OLEODINAMICA AMI since 1959

CATALOGO TECNICO

DISTRIBUTORI OLEODINAMICI

TECHNICAL CATALOGUE - HYDRAULIC CONTROL VALVES

N°207



LA POTENZA DELL'OLIO, SOTTO CONTROLLO

OIL POWER UNDER YOUR CONTROL

IT/EN

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AVVERTENZE

La invitiamo a leggere e seguire attentamente le indicazioni inerenti all'uso dei Prodotti riportati sul catalogo in modo da garantirne il corretto funzionamento.
I guasti causati dal mancato rispetto delle indicazioni esulano dalla garanzia sul Prodotto.

Il costruttore non risponde dei danni che dovessero essere arrecati a persone o cose derivanti da un uso improprio del Prodotto.

INSTALLAZIONE
Prima di avviare l'impianto assicurarsi che il collegamento tra la mandata (P) e il serbatoio (T) e tra gli utilizzi (A-B) sia corretto.

APPLICAZIONE DEL CARRY-OVER
Per evitare la rottura o il danneggiamento del distributore e delle sue parti, l'applicazione di più distributori montati in serie necessita l'installazione del raccordo CARRY-OVER.

FLUIDO IDRAULICO
Si raccomanda l'utilizzo di olio a base minerale con caratteristiche adatte a circuiti oleodinamici e a guarnizioni NBR.

DISTRIBUTORI ELETTRICI
Il distributore elettrico deve essere fissato su una superficie perfettamente piana.
Per l'uso dei distributori elettrici si raccomanda una filtrazione adeguata del fluido idraulico.

CONSERVAZIONE
Conservare i distributori oleodinamici in luogo asciutto lontano da fonti di calore e da raggi solari.
Temperatura consigliata tra -20°C e +50°C.

CONDIZIONI DI FORNITURA
La ACD fornisce i propri distributori in conformità con le condizioni generali di vendita che sono riportate nelle offerte, nelle conferme d'ordine e nelle fatture.

ORDINI
Gli ordini devono pervenire in forma scritta e devono riportare le seguenti indicazioni:
- data e numero d'ordine;
- denominazione ditta acquirente e destinazione della merce se diversa dalla prima;
- numero offerta cui si riferisce l'ordine (se esiste) e prezzi concordati;
- descrizione della merce con codice di ordinazione se conosciuto;
- quantità;
- data di consegna concordata;
- condizioni di pagamento;
- termini di spedizione (ACD EXW, franco fabbrica ACD salvo diversi accordi).

GARANZIA
ACD garantisce che i Prodotti venduti sono esenti da vizi e sono conformi alle caratteristiche tecniche riportate nel presente catalogo. I Prodotti sono coperti da "garanzia commerciale" che ha la durata di 12 mesi (1 anno) a partire dalla data di fornitura. Qualora l'Acquirente rilevi un difetto sul Prodotto, deve immediatamente comunicarlo per iscritto alla ACD che si impegna a visionarlo presso il proprio stabilimento dando istruzioni per il rientro dello stesso. La garanzia comprende la sostituzione o riparazione del Prodotto difettoso escludendo qualsiasi altra obbligazione.
Non rientrano in garanzia:
- i prodotti con ovvi segni di manomissione;
- i prodotti usati in maniera impropria;
- i prodotti conservati in luoghi non idonei.

WARNING

Please carefully read and follow the instructions concerning the use of the Products contained in the catalogue, in order to ensure their correct operation.
Any faults or breakdowns caused by failure to observe these instructions will not be covered by the Product warranty.

The manufacturer will not be liable for damages caused to persons or property by using the Product in not recommended ways.

INSTALLATION
Before starting the system, ensure that the delivery end (P) and tank (T) and the users (A-B) are correctly connected.

CARRY-OVER CONNECTOR FITTING
To prevent valve or valve part breaks or damages, a CARRY-OVER connector should be fitted whenever several control valves are installed in series.

HYDRAULIC FLUID
Mineral-based oil with characteristics suitable for hydraulic circuits and NBR seals is recommended.

ELECTRIC CONTROL VALVES
The electric control valve must be attached on a perfectly flat surface.
The hydraulic fluid should be suitably filtered for use in electric control valves.

STORAGE
Store the control valves in a dry place, away from heat sources and direct exposure to sun.
Recommended storage temperature between -20°C and +50°C.

TERMS OF SUPPLY
ACD supplies its directional control valve in accordance with the general terms of sale contained in quotations, order confirmations and invoices.

ORDERS
Orders must be submitted in writing and contain the following information:
- *order date and number;*
- *name of the purchaser and goods destination (if different from the indicated purchaser's address);*
- *reference quotation number (if any) and agreed prices;*
- *good description with ordering code - if known;*
- *quantity;*
- *agreed delivery date;*
- *terms of payment;*
- *shipment terms (EXW ACD, ex works ACD, subject to different agreements.)*

WARRANTY
ACD guarantees that its Products are free from defects and in compliance with the technical characteristics stated in this catalogue. The Products are covered by a "commercial warranty" that lasts 12 months (1 year) starting from the supply date. Should the Purchaser detect any product defects, this should be immediately notified in writing to ACD, who undertakes to examine the faulty product on its premises and arrange for the Product to be returned. The warranty includes faulty Product replacement or repairing - any other obligations being excluded.
The warranty shall not cover:
- *products with obvious signs of tampering;*
- *products used in a not recommended manner;*
- *products stored at unsuitable locations.*

NOTE: .....

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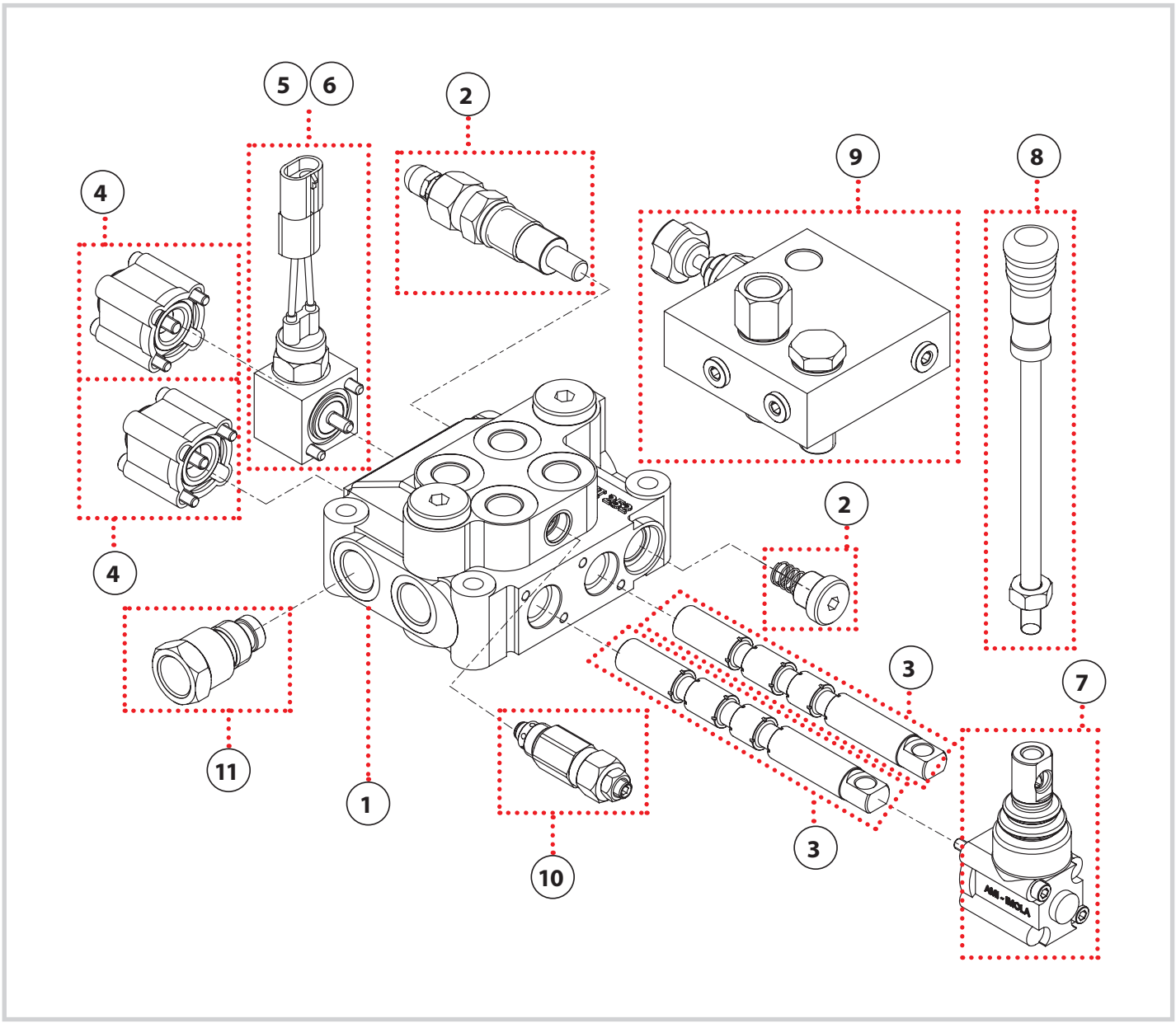
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ESEMPIO DI ORDINAZIONE PER VERSIONE STANDARD

EXAMPLE OF ORDER FOR STANDARD VERSION

AMI 252	P1D(160)	AB1	C1	H2	R10	R3	R4(200)	+H72I	AB1	C1	Z6(130)...	+H10
1	2	3	4	5	6	7	8	9	3	4	10	11

1 = **modello**/*type* **(Pag. A)**
2 = **collettore**/*manifold* **(Pag. B)**
3 = **cursore**/*spool* **(Pag. C)**
4 = **controllo cursore**/*spool drive* **(Pag. D)**
5 = **predisposizione micro**/*presetting for ball micro-switch* **(Pag. E)**
6 = **micro a sfera**/ *ball micro-switch* **(Pag. E)**
7 = **gruppo leva**/*lever spool driving unit* **(Pag. E)**
8 = **asta leva**/*lever rod* **(Pag. E)**
9 = **regolatore con inversione**/*regulator block with reversal function* **(Pag. E)**
10 = **valvola max pressione e antiurto**/*pressure relief and antishock valve* **(Pag. E)**
11 = **CARRY-OVER**/*CARRY-OVER* **(Pag. E)**



Esempio riferito a filettatura standard
Example referred to standard threads

DISTRIBUTORE MONOBLOCCO
MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 3



Costruito ad una sola sezione
Manufactured in one section only

Portata nominale
Nominal flow rate ..... **40 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **300 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **80 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 60 a 300 bar**
(a richiesta tarabile da 10 a 250 bar)
(on request may be set from 10 to 250 bar)

Valvola di ritegno unidirezionale in entrata / *Single-acting check valve on inlet*
Ricoprimento negativo del cursore / *Negative spool overlapping*

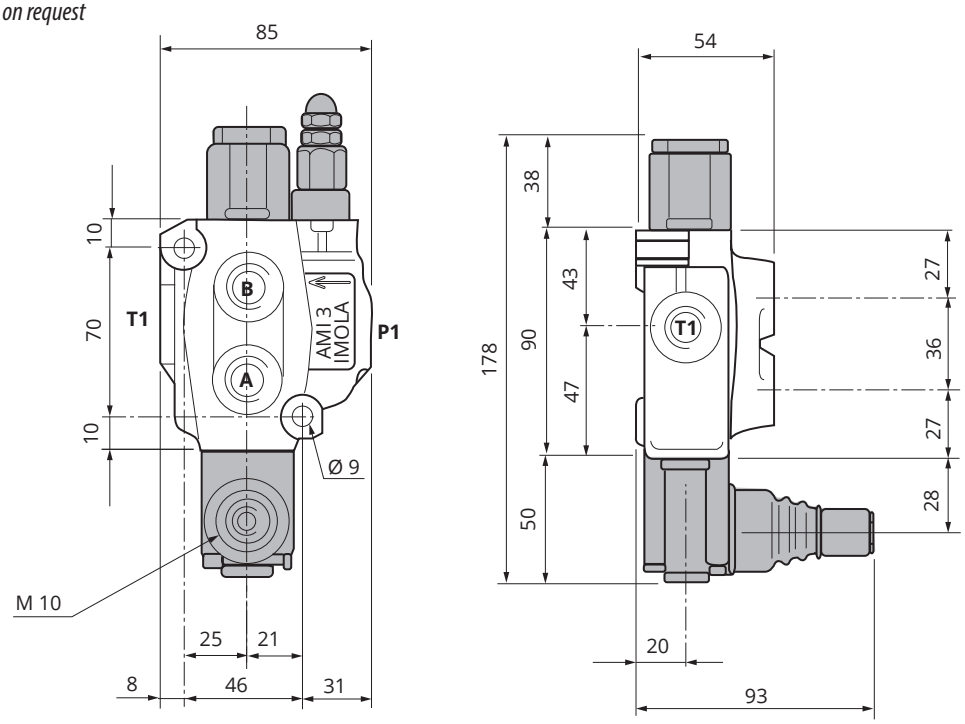
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **18 ml/min**

Peso
Weight ..... **1,900 kg**

Versione standard: entrata DESTRA
Standard version: RIGHT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request



FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*			
P1	**3/8" BSP**	**3/8" - 18 NPT**	**1/2" BSP**	**18x1,5**	**1/4"**
A - B	**3/8" BSP**	**3/8" - 18 NPT**	**1/2" BSP**	**18x1,5**	**1/4"**
T1	**3/8" BSP**	**3/8" - 18 NPT**	**1/2" BSP**	**18x1,5**	**1/4"**
PILOTAGGI/*CONTROL PILOT PORTS*					
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**				
IDRAULICI/*HYDRAULICS*	**G 1/4"**				

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DISTRIBUTORE MONOBLOCCO ELETTRICO
ELECTRIC MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 3



Costruito ad una sola sezione
Manufactured in one section only

Portata nominale
Nominal flow rate ..... **25 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **200 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **10 - 12 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 60 a 300 bar**
(a richiesta tarabile da 10 a 250 bar)
(on request may be set from 10 to 250 bar)

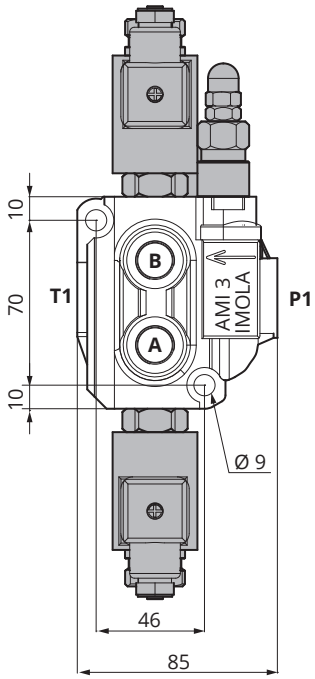
Valvola di ritegno unidirezionale in entrata / *Single-acting check valve on inlet*
Ricoprimento negativo del cursore / *Negative spool overlapping*

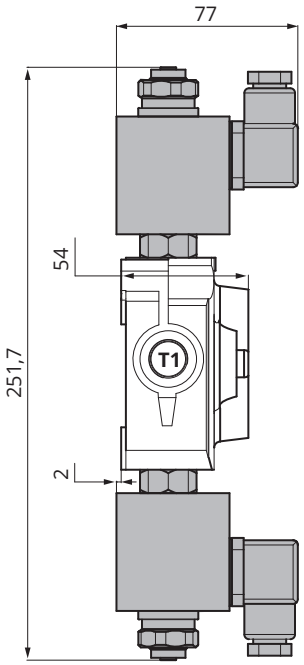
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **30 - 35 ml/min**

Assorbimento / *Absorption*: **per 12 Vcc (H70)** / *for 12 Vdc (H70)* ..... **36 Watt, 3 Ampere**
per 24 Vcc (H71) / *for 24 Vdc (H71)* ..... **36 Watt, 1,50 Ampere**

Peso
Weight ..... **2,500 kg**



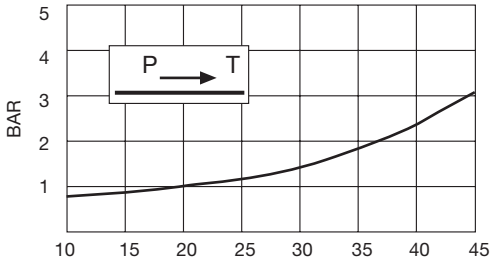


VERSIONE H70 - H71
Dispositivo per azionamento elettrico (diretto) a 12 ÷ 24Vcc
N.B.: L'applicazione degli elettromagneti richiede una lavorazione speciale nel corpo.

VERSION H70-H71
Electric drive 12 - 24Vdc (direct)
N.B. The application of electromagnets requires special machining of the body.

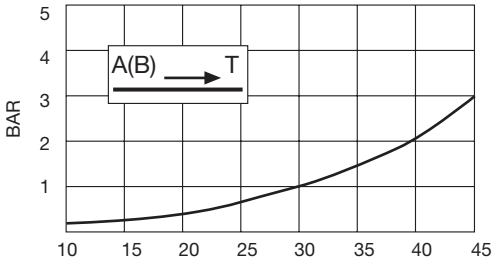
VERSIONE MANUALE
MANUAL VERSION

Caduta di pressione entrata - uscita
Pressure drop inlet-outlet

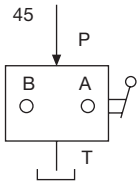


Portata litri/min
Flow rate liters/min

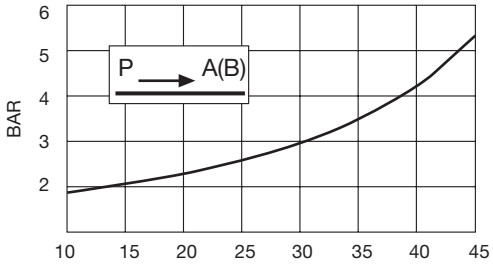
Caduta di pressione utilizzi - uscita
Pressure drop service ports-outlet



Portata litri/min
Flow rate liters/min



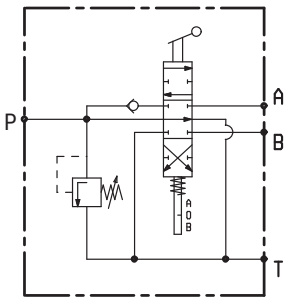
Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports



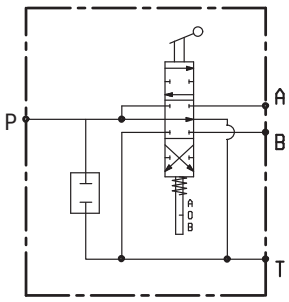
Portata litri/min
Flow rate liters/min

Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

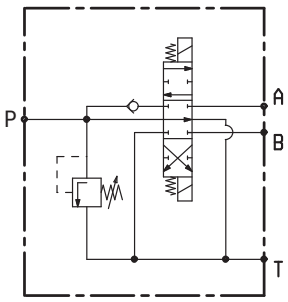
SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



Versione standard
Standard version



Versione senza valvole (Z29)
Version without valves (Z29)



Versione standard elettrico
Standard electric version

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DISTRIBUTORE MONOBLOCCO
MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 4



Versione standard: entrata SINISTRA
Standard version: LEFT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request

Costruito da 2 a 7 sezioni
Manufactured in 2 to 7 sections

Portata nominale
Nominal flow rate ..... **35 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **300 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **80 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 60 a 300 bar**
(a richiesta tarabile da 10 a 250 bar)
(on request may be set from 10 to 250 bar)

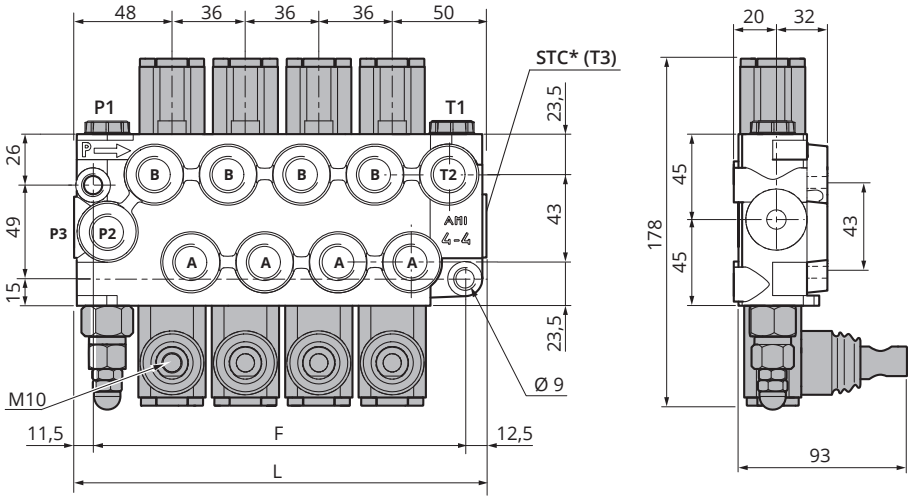
Cursore reversibile per entrata destra o sinistra
Reversing spool for right-hand or left-hand inlet

Ricoprimento positivo del cursore / *Positive spool overlapping*

Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **18 ml/min**

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 4 (a 2 sezioni / *2 sections*)	**134**	**110**	**4,200**
AMI 4 (a 3 sezioni / *3 sections*)	**170**	**146**	**5,400**
AMI 4 (a 4 sezioni / *4 sections*)	**206**	**182**	**6,600**
AMI 4 (a 5 sezioni / *5 sections*)	**242**	**218**	**7,800**
AMI 4 (a 6 sezioni / *6 sections*)	**278**	**254**	**9,100**
AMI 4 (a 7 sezioni / *7 sections*)	**314**	**290**	**10,400**



STC=* N.B.: Predisposizione per la continuazione della linea di pressione (CARRY-OVER) solo a richiesta
STC= N.B.: Presetting for CARRY-OVER only on request*

FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*	
P1 - P2	**3/8" BSP**	**3/8" - 18 NPT**	**1/4" BSP**
A - B	**3/8" BSP**	**3/8" - 18 NPT**	**1/4" BSP**
T1 - T2	**3/8" BSP**	**3/8" - 18 NPT**	**1/4" BSP**
STC (T3)	**1/2" BSP** (a richiesta/*on request*)	**1/2" BSP**	**1/2" BSP**
P3	**3/8" BSP** (a richiesta/*on request*)	**3/8" - 18 NPT**	**1/4" BSP**
PILOTAGGI/*CONTROL PILOT PORTS*			
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**		
IDRAULICI/*HYDRAULICS*	**G 1/4"**		

DISTRIBUTORE MONOBLOCCO ELETTRICO
ELECTRIC MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 4



Costruito da 2 a 7 sezioni
Manufactured in 2 to 7 sections

Portata nominale
Nominal flow rate ..... **25 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **200 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **10 - 12 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 60 a 300 bar**
(a richiesta tarabile da 10 a 250 bar)
(on request may be set from 10 to 250 bar)

Cursore reversibile per entrata destra o sinistra
Reversing spool for right-hand or left-hand inlet

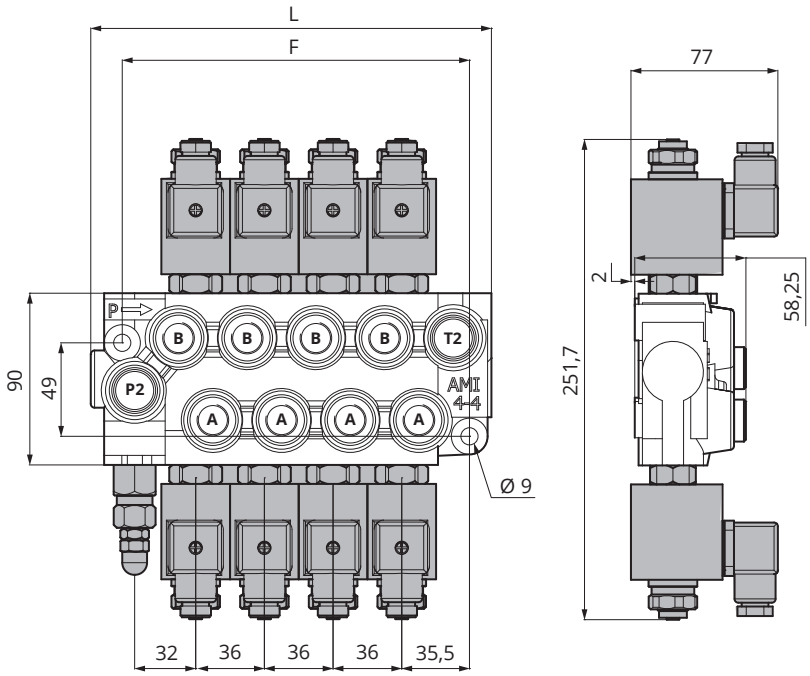
Ricoprimento positivo del cursore / *Positive spool overlapping*

Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **30 - 35 ml/min**

Assorbimento / *Absorption*: **per 12 Vcc (H70)** / *for 12 Vdc (H70)* ..... **36 Watt, 3 Ampere**
per 24 Vcc (H71) / *for 24 Vdc (H71)* ..... **36 Watt, 1,50 Ampere**

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 4 (a 2 sezioni / *2 sections*)	134	110	4,800
AMI 4 (a 3 sezioni / *3 sections*)	170	146	6,600
AMI 4 (a 4 sezioni / *4 sections*)	206	182	8,500
AMI 4 (a 5 sezioni / *5 sections*)	242	218	10,400
AMI 4 (a 6 sezioni / *6 sections*)	278	254	12,000
AMI 4 (a 7 sezioni / *7 sections*)	314	290	13,900



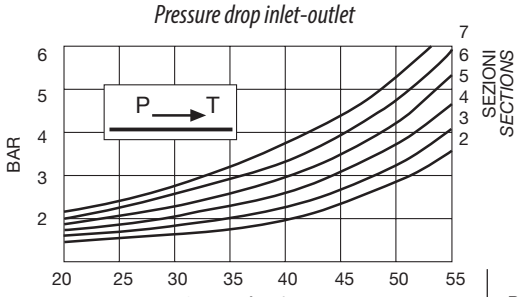
VERSIONE H70 - H71
Dispositivo per azionamento elettrico (diretto) a 12 ÷ 24Vcc
N.B.: L'applicazione degli elettromagneti richiede una lavorazione speciale nel corpo.

VERSION H70-H71
Electric drive 12 - 24Vdc (direct)
N.B. The application of electromagnets requires special machining of the body.

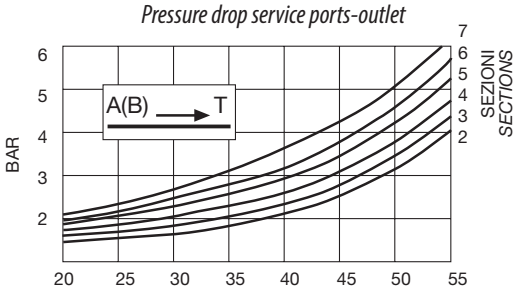
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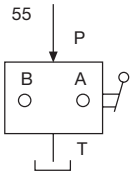
VERSIONE MANUALE
MANUAL VERSION

Caduta di pressione entrata - uscita
Pressure drop inlet-outlet

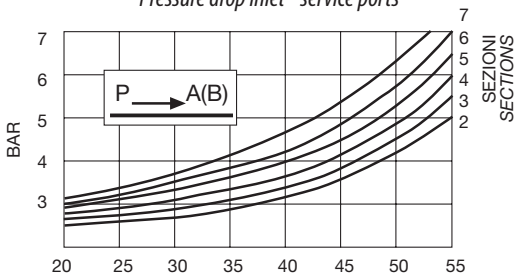


Caduta di pressione utilizzi - uscita
Pressure drop service ports-outlet



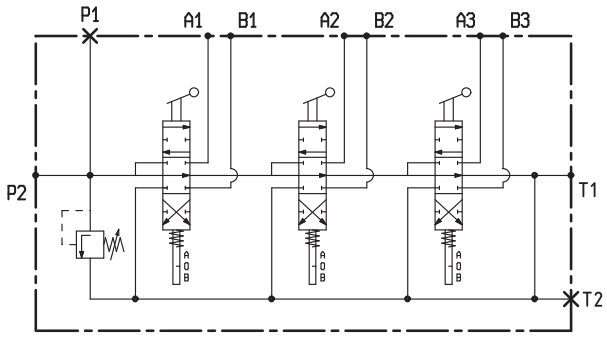


Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports

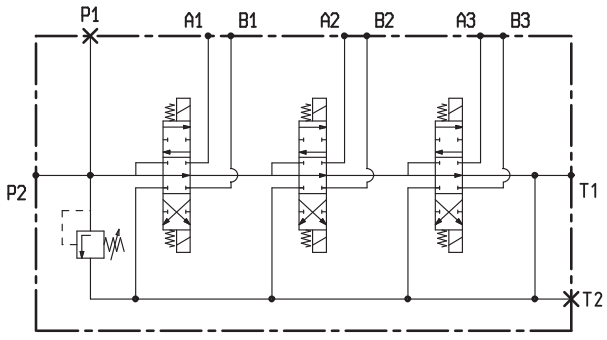


Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

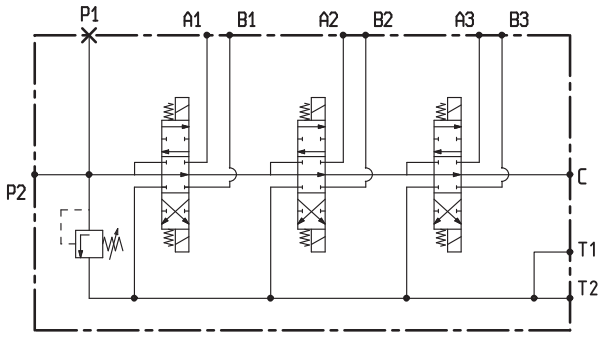
SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



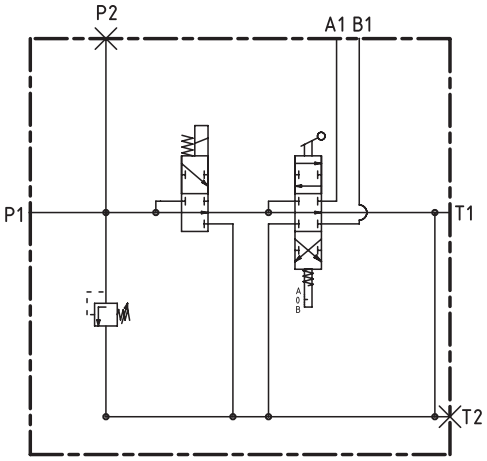
Versione standard a leve
Standard lever version



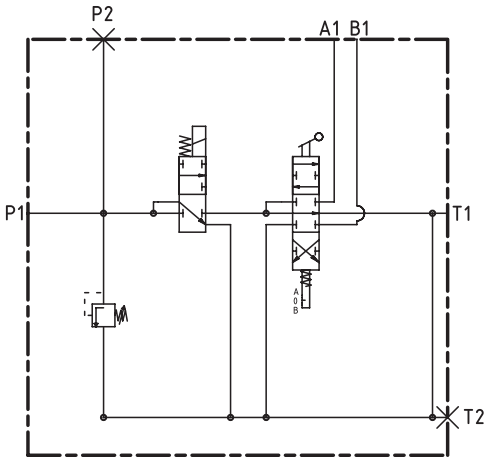
Versione standard elettrico
Standard electric version



Versione standard elettrico con CARRY-OVER
Standard electric version with CARRY-OVER



Versione V3 con bobina di messa a scarico dell'impianto 12Vcc o 24Vcc (V3 (12V); V3 (24V))
V3 version with system draining coil, 12Vdc or 24Vdc (V3 (12V); V3 (24V))



Versione V6 con bobina di messa in pressione dell'impianto 12Vcc o 24Vcc (V6 (12V); V6 (24V))
V6 version with system pressurising coil, 12Vdc or 24Vdc (V6 (12V); V6 (24V))

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DISTRIBUTORE MONOBLOCCO
MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 21R



Costruito ad una sola sezione
Manufactured in one section only

Portata nominale
Nominal flow rate ..... **45 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **350 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **80 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 60 a 300 bar**
(a richiesta tarabile da 10 a 250 bar)
(on request may be set from 10 to 250 bar)

Valvola di ritegno unidirezionale in entrata / *Single-acting check valve on inlet*
Ricoprimento negativo del cursore / *Negative spool overlapping*

Cursore reversibile per entrata destra o sinistra escluso cursore tipo AB2
Reversing spool for right-hand or left-hand inlet except AB2 spool

Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

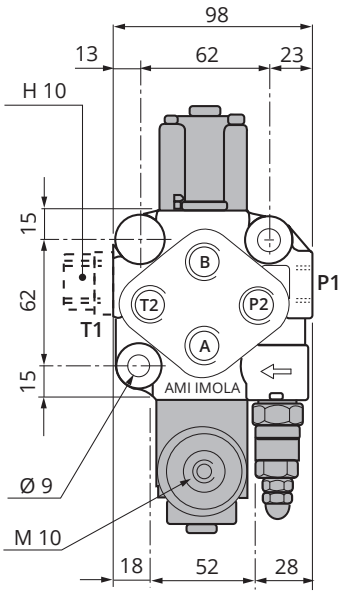
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

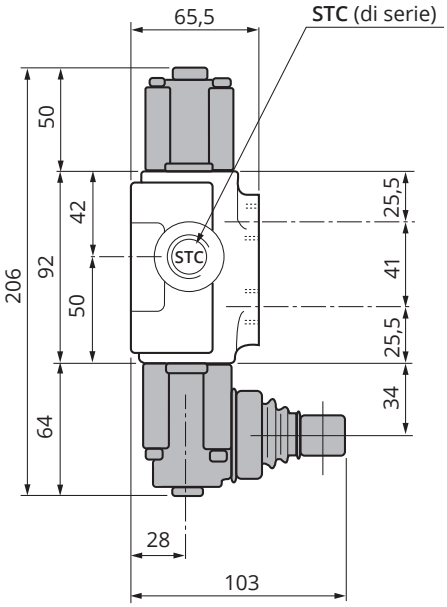
Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **18 ml/min**

Peso
Weight ..... **3,400 kg**

Versione standard: entrata DESTRA
Standard version: RIGHT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request



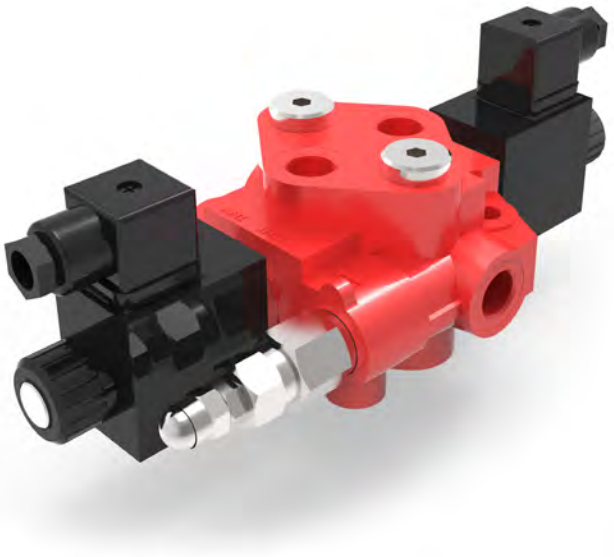


FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*		
P1 - P2	**3/8" BSP**	**3/8" - 18 NPT**	**1/2" BSP**	**18x1,5**
A - B	**3/8" BSP**	**3/8" - 18 NPT**	**1/2" BSP**	**18x1,5**
T2	**3/8" BSP**	**3/8" - 18 NPT**	**1/2" BSP**	**18x1,5**
T1 - STC	**1/2" BSP**	**1/2" BSP**	**1/2" BSP**	**1/2" BSP**
PILOTAGGI/*CONTROL PILOT PORTS*				
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**			
IDRAULICI/*HYDRAULICS*	**G 1/4"**			

DISTRIBUTORE MONOBLOCCO ELETTRICO
ELECTRIC MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 21R



Costruito ad una sola sezione
Manufactured in one section only

Portata nominale
Nominal flow rate ..... **35 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **220 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **10 - 12 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 60 a 300 bar**
(a richiesta tarabile da 10 a 250 bar)
(on request may be set from 10 to 250 bar)

Valvola di ritegno unidirezionale in entrata / *Single-acting check valve on inlet*
Ricoprimento negativo del cursore / *Negative spool overlapping*

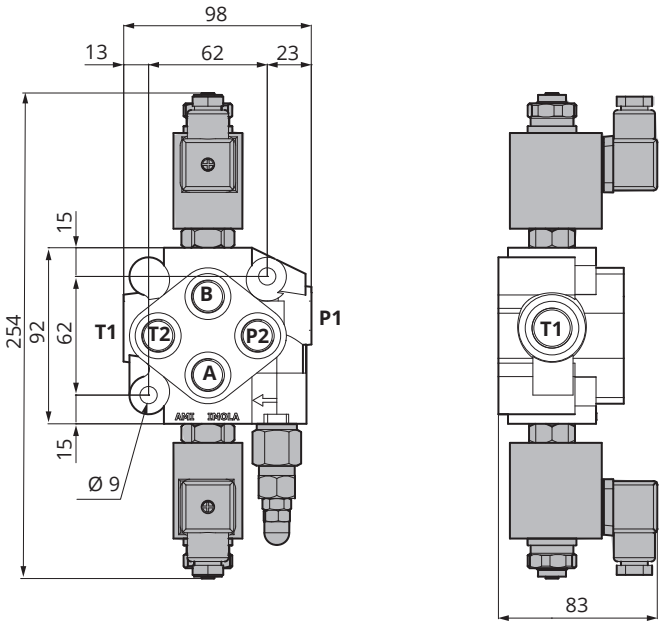
Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **30 - 35 ml/min**

Assorbimento / *Absorption*: **per 12 Vcc (H70)** / *for 12 Vdc (H70)* ..... **36 Watt, 3 Ampere**
per 24 Vcc (H71) / *for 24 Vdc (H71)* ..... **36 Watt, 1,50 Ampere**

Peso
Weight ..... **3,500 kg**



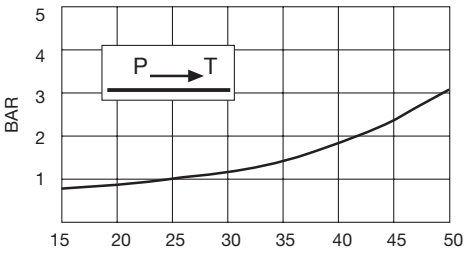
VERSIONE H70 - H71
Dispositivo per azionamento elettrico (diretto) a 12 ÷ 24Vcc
N.B.: L'applicazione degli elettromagneti richiede una lavorazione speciale nel corpo.

VERSION H70-H71
Electric drive 12 - 24Vdc (direct)
N.B. The application of electromagnets requires special machining of the body.

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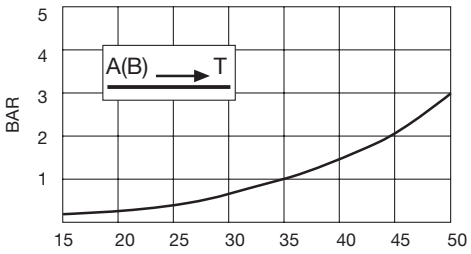
VERSIONE MANUALE
MANUAL VERSION

Caduta di pressione entrata - uscita
Pressure drop inlet-outlet

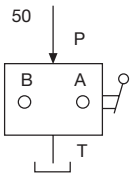


Portata litri/min
Flow rate liters/min

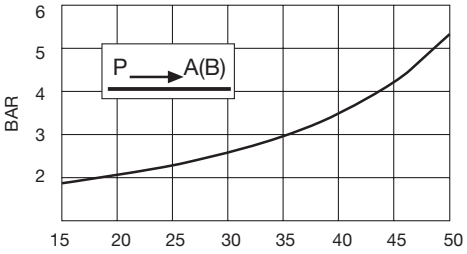
Caduta di pressione utilizzi - uscita
Pressure drop service ports-outlet



Portata litri/min
Flow rate liters/min



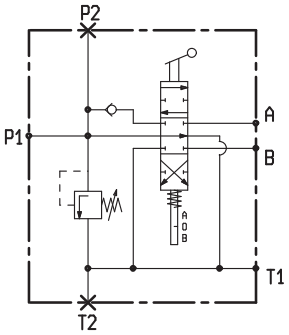
Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports



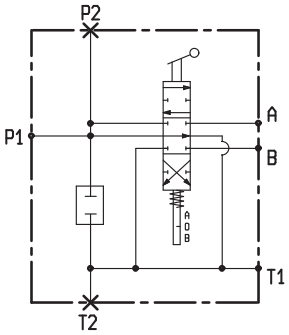
Portata litri/min
Flow rate liters/min

Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

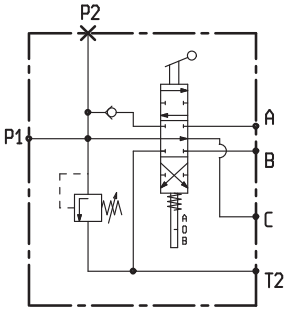
SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



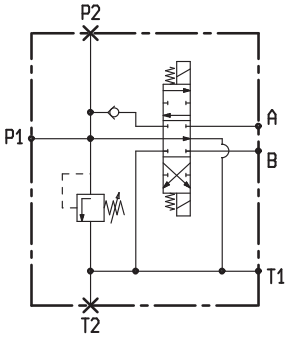
Versione standard
Standard version



Versione senza valvole (Z29)
Version without valves (Z29)



Versione standard con CARRY-OVER
Standard version with CARRY-OVER



Versione standard elettrico
Standard electric version

DISTRIBUTORE MONOBLOCCO
MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 250



Costruito da 1 a 6 sezioni
Manufactured in 1 to 6 sections

Portata nominale
Nominal flow rate ..... **45 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **350 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **80 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 10 a 350 bar**

Valvola di ritegno unidirezionale in entrata / *Single-acting check valve on inlet*
Ricoprimento negativo del cursore / *Negative spool overlapping*

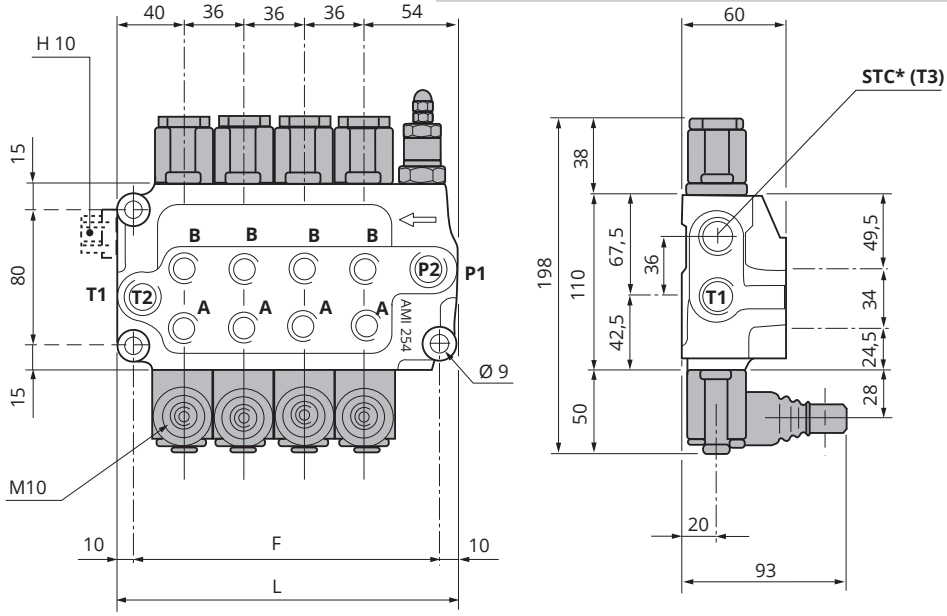
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **18 ml/min**

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 251 (a 1 sezione / *1 section*)	94	74	2,500
AMI 252 (a 2 sezioni / *2 sections*)	130	110	5,000
AMI 253 (a 3 sezioni / *3 sections*)	166	146	6,750
AMI 254 (a 4 sezioni / *4 sections*)	202	182	8,500
AMI 255 (a 5 sezioni / *5 sections*)	238	218	10,100
AMI 256 (a 6 sezioni / *6 sections*)	274	254	12,150

Versione standard: entrata DESTRA
Standard version: RIGHT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request



STC=* N.B.: Predisposizione per la continuazione della linea di pressione (CARRY-OVER) solo a richiesta
STC= N.B.: Presetting for CARRY-OVER only on request*

FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*		
P1 - P2	**1/2" BSP**	**1/2" - 14 NPT** **3/8" - 18 NPT**	**3/8" BSP**	**18x1,5**
A - B	**3/8" BSP**	**1/2" - 14 NPT** **3/8" - 18 NPT**	**1/2" BSP**	**18x1,5**
T1 - T2	**1/2" BSP**	**1/2" - 14 NPT** **3/8" - 18 NPT**	**3/8" BSP**	**18x1,5**
STC (T3)	**1/2" BSP**	**1/2" BSP**	**1/2" BSP**	**1/2" BSP**
PILOTAGGI/*CONTROL PILOT PORTS*				
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**			
IDRAULICI/*HYDRAULICS*	**G 1/4"**			

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DISTRIBUTORE MONOBLOCCO ELETTRICO
ELECTRIC MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 250



Costruito da 1 a 6 sezioni
Manufactured in 1 to 6 sections

Portata nominale
Nominal flow rate ..... **35 l/min**

Pressione MAX di esercizio AMI 252-253-254-255
MAX working pressure AMI 252-253-254-255 ..... **250 bar**

Pressione MAX di esercizio AMI 256
MAX working pressure AMI 256 ..... **210 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **10 - 15 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 10 a 350 bar**

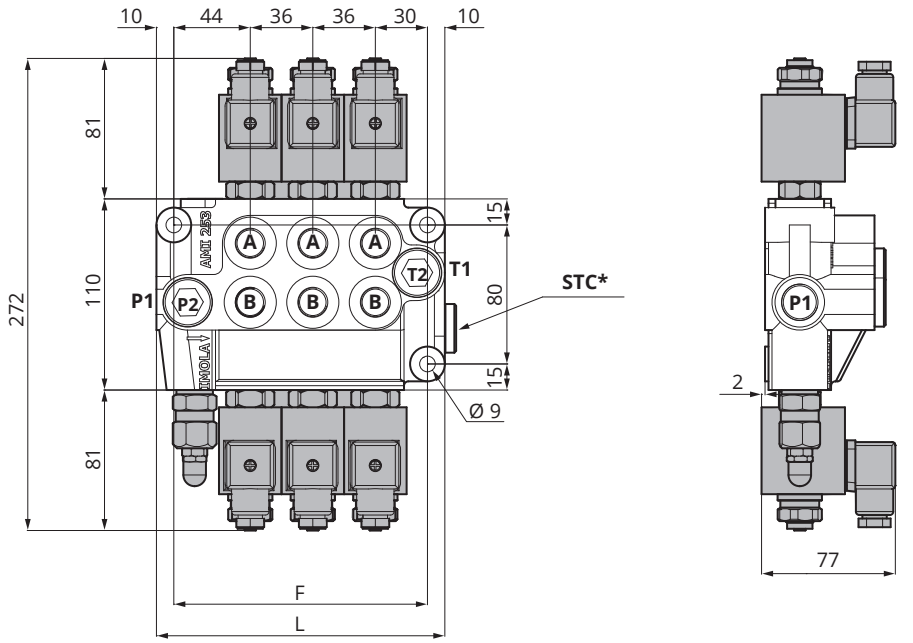
Valvola di ritegno unidirezionale in entrata / *Single-acting check valve on inlet*
Ricoprimento negativo del cursore / *Negative spool overlapping*

Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **25 - 30 ml/min**

Assorbimento / *Absorption*: **per 12 Vcc (H70)** / *for 12 Vdc (H70)* **.....36 Watt, 3 Ampere**
per 24 Vcc (H71) / *for 24 Vdc (H71)* **.....36 Watt, 1,50 Ampere**

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 251 (a 1 sezione / *1 section*)	**94**	**74**	**3,300**
AMI 252 (a 2 sezioni / *2 sections*)	**130**	**110**	**5,800**
AMI 253 (a 3 sezioni / *3 sections*)	**166**	**146**	**8,150**
AMI 254 (a 4 sezioni / *4 sections*)	**202**	**182**	**10,300**
AMI 255 (a 5 sezioni / *5 sections*)	**238**	**218**	**12,550**
AMI 256 (a 6 sezioni / *6 sections*)	**274**	**254**	**15,100**



*** N.B.: Predisposizione per la continuazione della linea di pressione (CARRY-OVER) solo a richiesta**
** N.B.: Presetting for CARRY-OVER only on request*

VERSIONE H70 - H71
Dispositivo per azionamento elettrico (diretto) a 12 ÷ 24Vcc
N.B.: L'applicazione degli elettromagneti richiede una lavorazione speciale nel corpo.

VERSION H70-H71
Electric drive 12 - 24Vdc (direct)
N.B. The application of electromagnets requires special machining of the body.

DISTRIBUTORE MONOBLOCCO (VERSIONE H72)
MONOBLOCK DIRECTIONAL CONTROL VALVE (H72 VERSION)

AMI 250

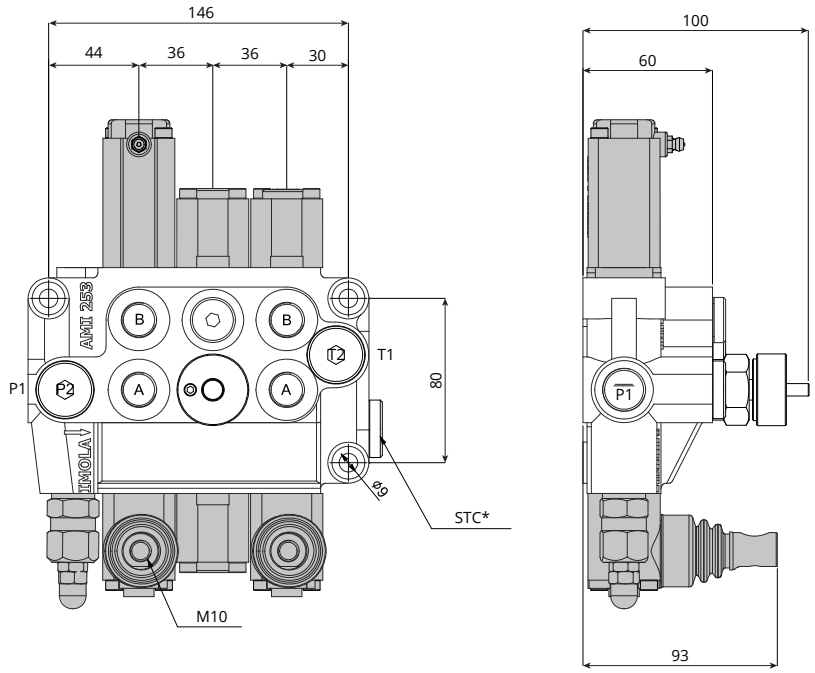


Distributore in versione manuale
Manual control valve

Portata nominale
Nominal flow rate.....**40 l/min**

Distributore in versione elettrica H70 - H71
H70-H71 electric control valve

Portata nominale
Nominal flow rate.....**35 l/min**



*** N.B.: Predisposizione per la continuazione della linea di pressione (CARRY-OVER) solo a richiesta**
** N.B.: Presetting for CARRY-OVER only on request*

VERSIONE H72 - Versione con divisore di flusso a sottrazione
Disponibile su qualsiasi sezione. Indipendentemente dal carico, regola la portata delle sezioni a valle del divisore. La regolazione della portata avviene prelevando il flusso in eccesso e mandandolo a scarico tramite il divisore stesso.

N.B.: Per poter realizzare il divisore di flusso a sottrazione, il corpo distributore deve avere una sezione in più rispetto a quelle necessarie e deve essere lavorato in modo speciale.

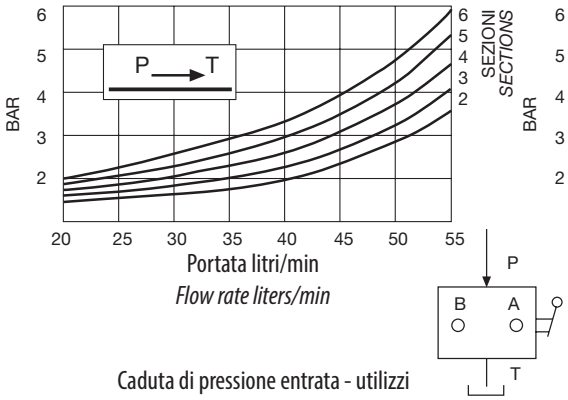
VERSION WITH WITHDRAWAL FLOW REGULATOR
Available on every element. Independently of the load, it regulates the flow rate of the elements downstream of the regulator.
The flow rate regulation is made by withdrawing the excess flow and returning it by means of the regulator.

N.B. In order to manufacture the withdrawal flow regulator, the control valve body must have one more element in addition to the necessary ones and must be accordingly machined in a special way.

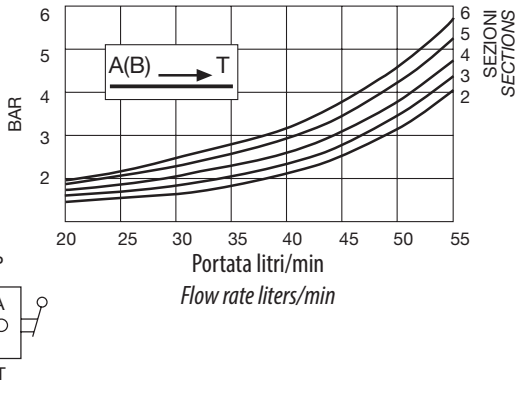
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VERSIONE MANUALE
MANUAL VERSION

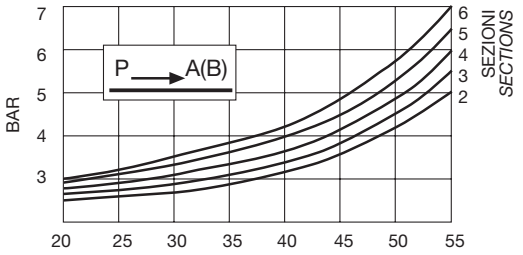
Caduta di pressione entrata - uscita
Pressure drop inlet-outlet



Caduta di pressione utilizzi - uscita
Pressure drop service ports-outlet

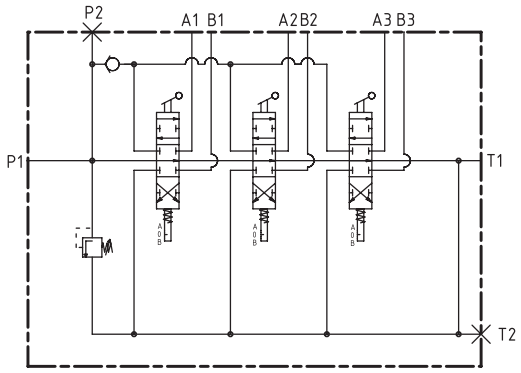


Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports

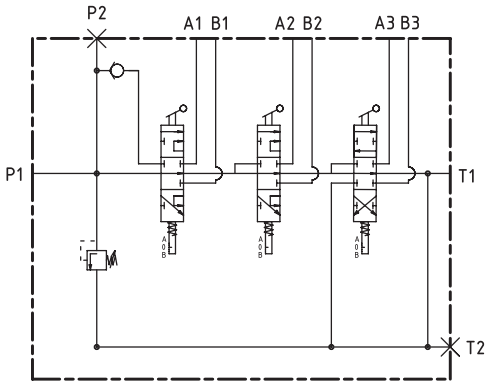


Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM

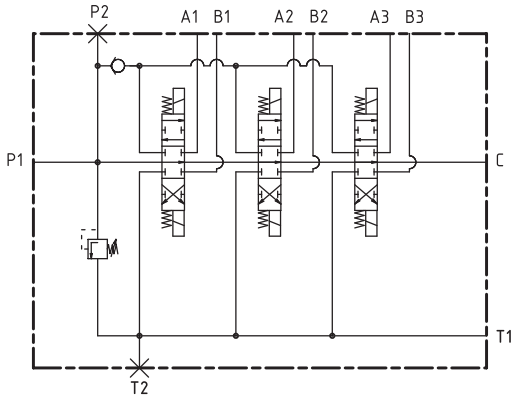


Versione standard distribuzione in parallelo
Standard parallel circuit version

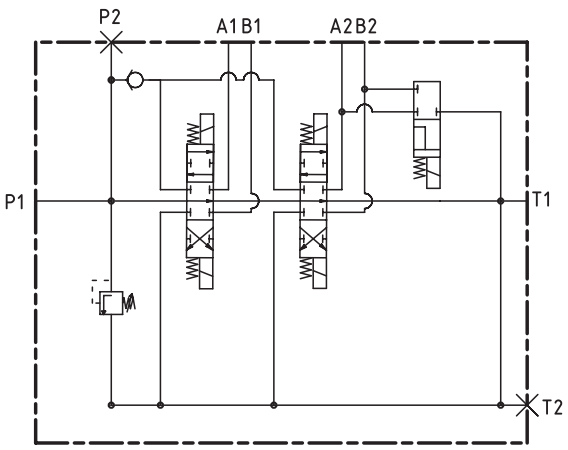


Versione standard distribuzione in serie (V1)
Standard series circuit version (V1)

Il corpo distributore deve essere predisposto
Control valve body must be preset

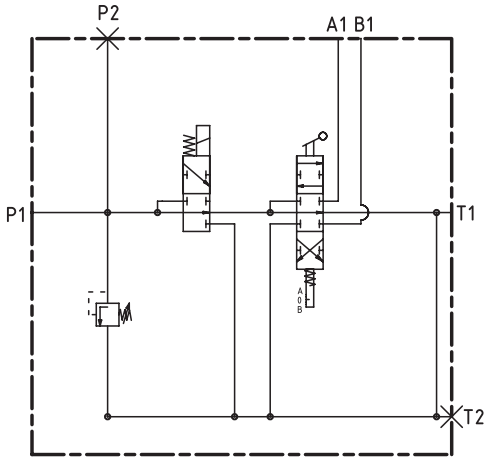


Versione standard elettrico distribuzione in parallelo con CARRY-OVER (H10)
Standard electric parallel circuit version with CARRY-OVER (H10)



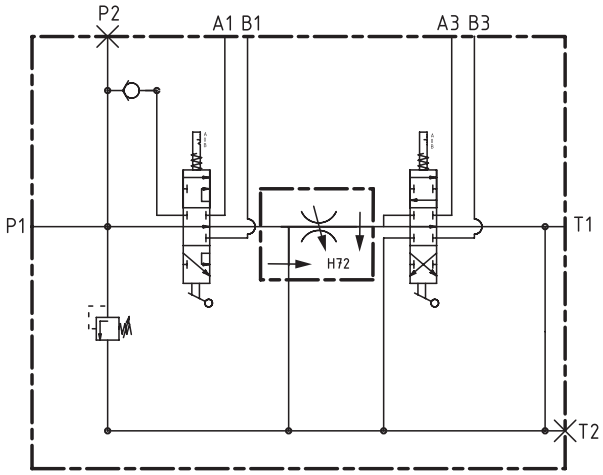
Versione V2 flottante elettrico
V2 electric floating version

Il corpo distributore deve essere predisposto
Control valve body must be preset



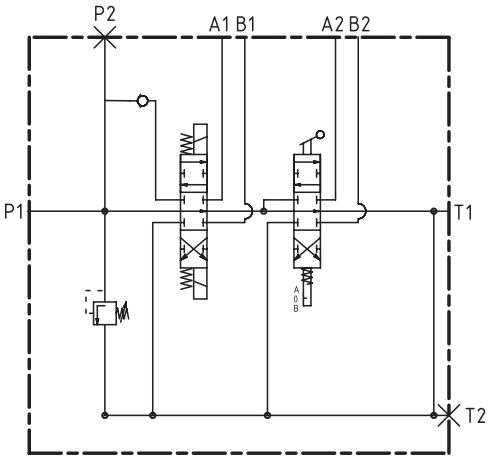
Versione V3 con bobina di messa a scarico dell'impianto 12Vcc o 24Vcc (V3 (12V); V3 (24V))
V3 version with system draining coil, 12Vdc or 24Vdc (V3 (12V); V3 (24V))

Il corpo distributore deve essere predisposto
Control valve body must be preset



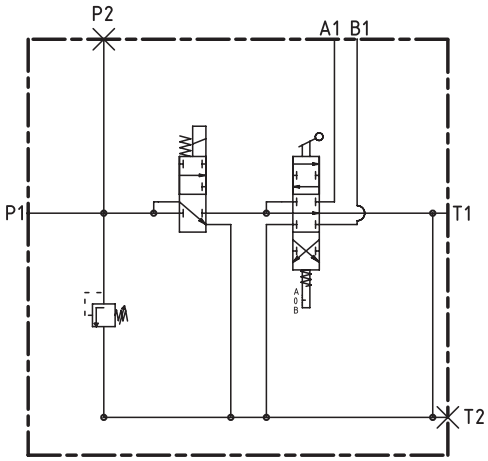
Versione con divisore di flusso a sottrazione (H72)
Version with withdrawal flow regulator (H72)

Il corpo distributore deve essere predisposto
Control valve body must be preset



Versione V5 elettrica: priorità 1 sez. ed interruzione alimentazione delle sezioni a valle 12Vcc o 24Vcc (V5 (12V); V5 (24V))
V5 electric version: 1 sect. priority and input cutout to downstream sections, 12Vdc or 24Vdc (V5 (12V); V5 (24V))

Il corpo distributore deve essere predisposto
Control valve body must be preset



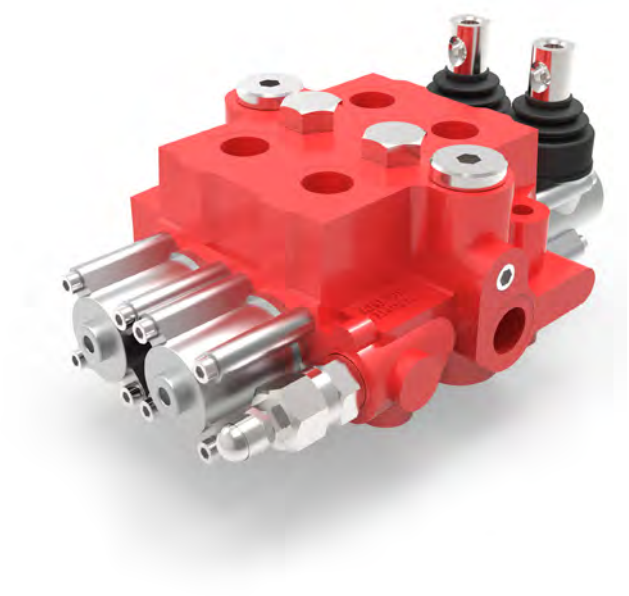
Versione V6 con bobina di messa in pressione dell'impianto 12Vcc o 24Vcc (V6 (12V); V6 (24V))
V6 version with system pressurising coil, 12Vdc or 24Vdc (V6 (12V); V6 (24V))

Il corpo distributore deve essere predisposto
Control valve body must be preset

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DISTRIBUTORE MONOBLOCCO
MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 300



Costruito da 1 a 6 sezioni
Manufactured in 1 to 6 sections

Portata nominale
Nominal flow rate ..... **70 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **350 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **80 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 10 a 350 bar**

Valvola di ritegno unidirezionale ogni sezione / *Single-acting check valve for each section*
Ricoprimento negativo del cursore / *Negative spool overlapping*

Cursore reversibile per entrata destra o sinistra
Reversing spool for right-hand or left-hand inlet

Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

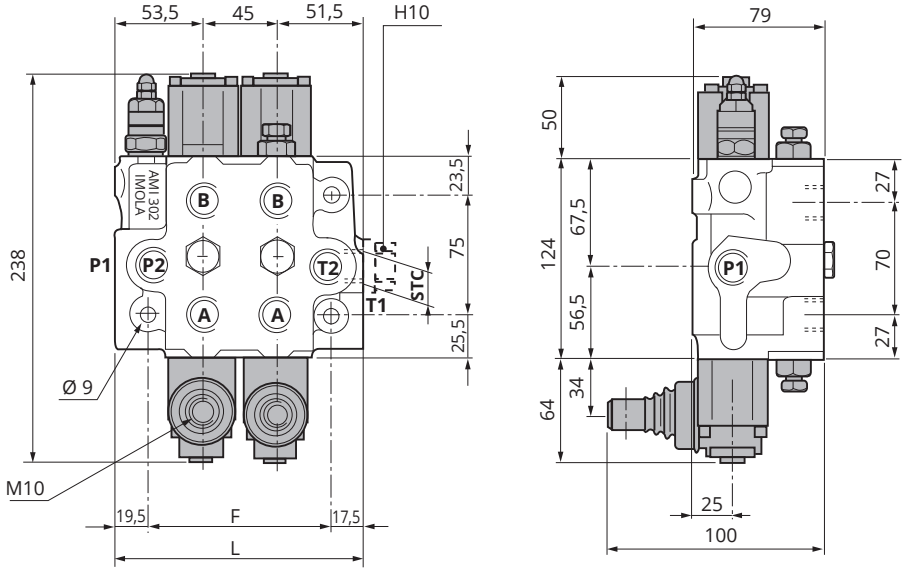
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **20 ml/min**

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 301 (a 1 sezione / *1 section*)	**105**	**68**	**5,400**
AMI 302 (a 2 sezioni / *2 sections*)	**150**	**113**	**8,700**
AMI 303 (a 3 sezioni / *3 sections*)	**195**	**158**	**11,950**
AMI 304 (a 4 sezioni / *4 sections*)	**240**	**203**	**15,350**
AMI 305 (a 5 sezioni / *5 sections*)	**285**	**248**	**17,700**
AMI 306 (a 6 sezioni / *6 sections*)	**330**	**293**	**20,050**

Versione standard: entrata SINISTRA
Standard version: LEFT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request

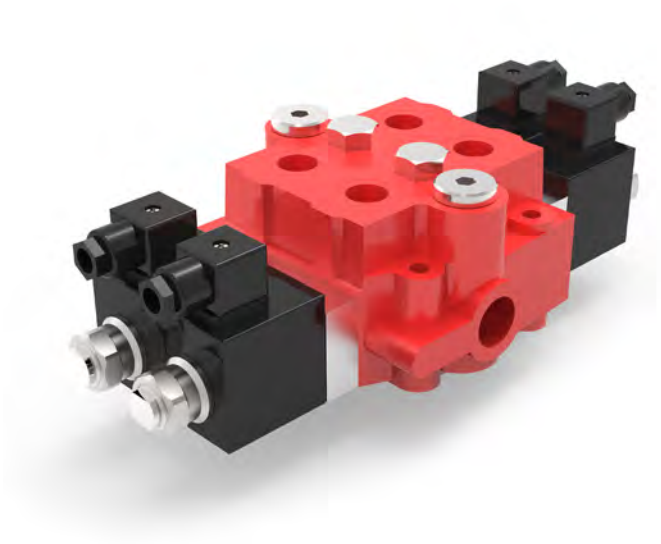


FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*			
P1	**1/2" BSP**	**1/2"-14 NPT**	**18x1,5**	**P1**	**3/4" BSP**
P2	**1/2" BSP**	**1/2"-14 NPT**	**18x1,5**	**P2**	**3/4" BSP solo**/*only* **AMI 306**
A - B	**1/2" BSP**	**1/2"-14 NPT**	**18x1,5**	**A - B**	**3/4" BSP**
T2	**1/2" BSP**	**1/2"-14 NPT**	**22x1,5**	**T2**	**3/4" BSP**
T1 - STC	**3/4" BSP**	**3/4" BSP**	**3/4" BSP**	**T1 - STC**	**3/4" BSP**
PILOTAGGI/*CONTROL PILOT PORTS*					
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**				
IDRAULICI/*HYDRAULICS*	**G 1/4"**				

DISTRIBUTORE MONOBLOCCO ELETTRICO
ELECTRIC MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 300



Costruito da 1 a 6 sezioni
Manufactured in 1 to 6 sections

Portata nominale
Nominal flow rate ..... **50 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **220 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **10 - 15 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 10 a 350 bar**

Valvola di ritegno unidirezionale ogni sezione / *Single-acting check valve for each section*
Ricoprimento negativo del cursore / *Negative spool overlapping*

Cursore reversibile per entrata destra o sinistra
Reversing spool for right-hand or left-hand inlet

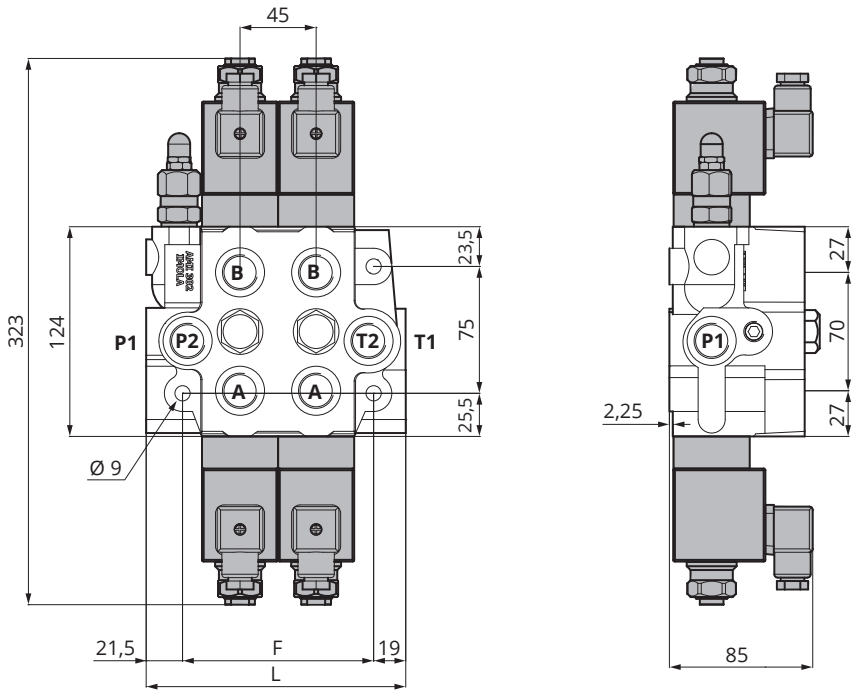
Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **30 - 35 ml/min**

Assorbimento / *Absorption*: **per 12 Vcc (H70)** / *for 12 Vdc (H70)* ..... **60 Watt, 5 Ampere**
per 24 Vcc (H71) / *for 24 Vdc (H71)* ..... **60 Watt, 2,5 Ampere**

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 301 (a 1 sezione / 1 section)	105	68	6,350
AMI 302 (a 2 sezioni / 2 sections)	150	113	10,400
AMI 303 (a 3 sezioni / 3 sections)	195	158	14,450
AMI 304 (a 4 sezioni / 4 sections)	240	203	18,900
AMI 305 (a 5 sezioni / 5 sections)	285	248	22,750
AMI 306 (a 6 sezioni / 6 sections)	330	293	27,200



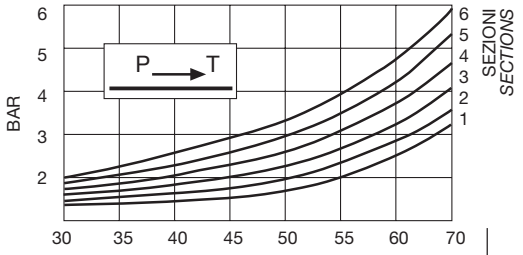
VERSIONE H70 - H71
Dispositivo per azionamento elettrico (diretto) a 12 ÷ 24Vcc
N.B.: L'applicazione degli elettromagneti richiede una lavorazione speciale nel corpo.

VERSION H70-H71
Electric drive 12 - 24Vdc (direct)
N.B. The application of electromagnets requires special machining of the body.

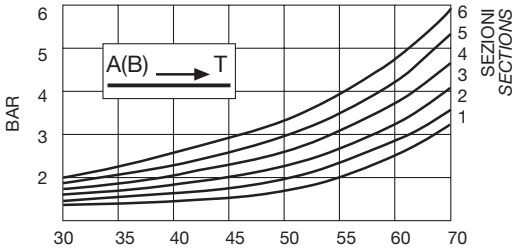
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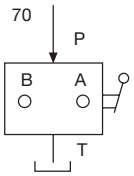
VERSIONE MANUALE
MANUAL VERSION

Caduta di pressione entrata - uscita
Pressure drop inlet-outlet

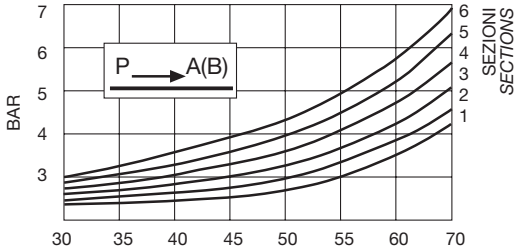


Caduta di pressione utilizzi - uscita
Pressure drop ports-outlet

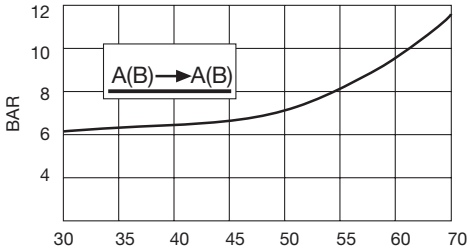




Caduta di pressione entrata - utilizzi
Pressure drop inlet-ports

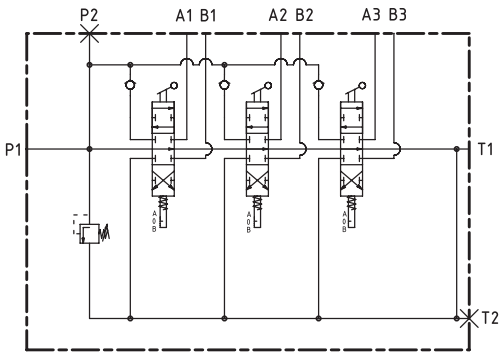


Cursore in serie in pos. comando: flusso da A-B di una sez. ad A-B della sez. serie
Spool in series in control pos. flow from A-B of one sec. to A-B of the series sec

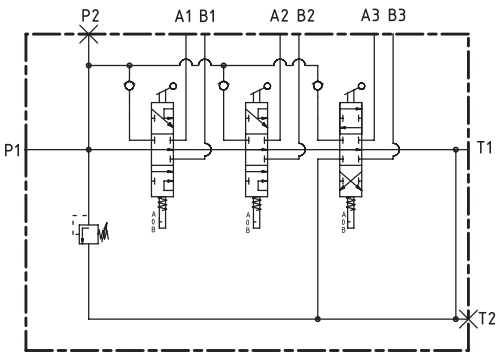


Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

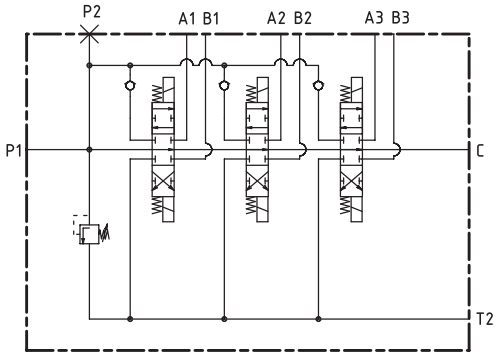
SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



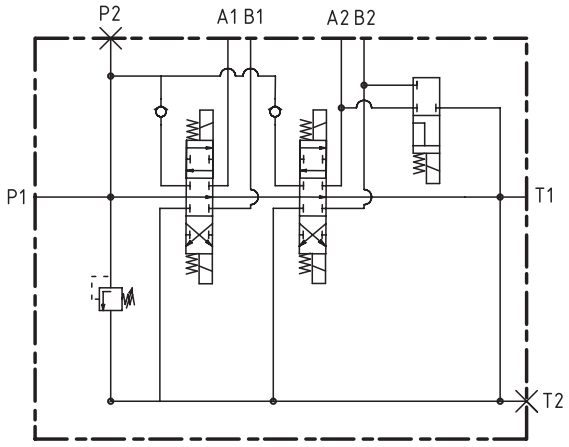
Versione standard distribuzione in parallelo
Standard parallel circuit version



Versione standard distribuzione in serie
Standard series circuit version

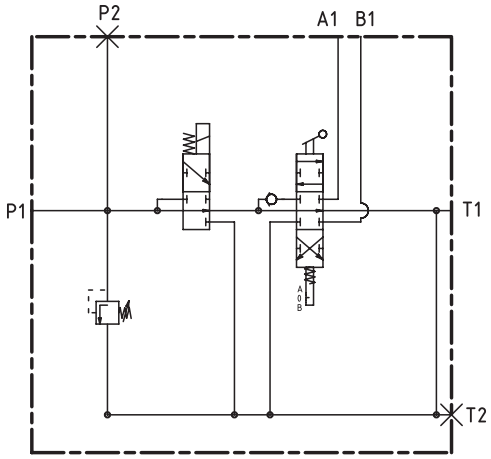


Versione standard elettrico distribuzione in parallelo con CARRY-OVER
Standard electric parallel circuit version with CARRY-OVER



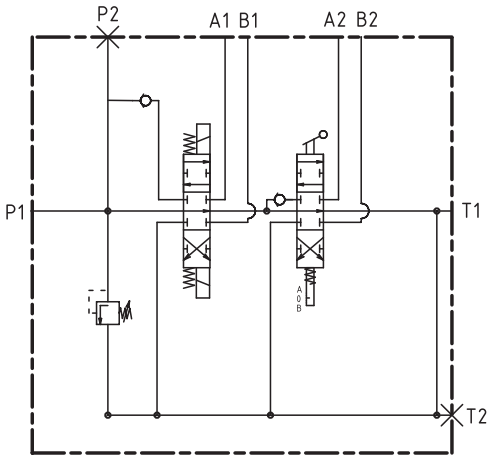
Versione V2 flottante elettrica
V2 electric floating version (V2)

Il corpo distributore deve essere predisposto
Control valve body must be preset



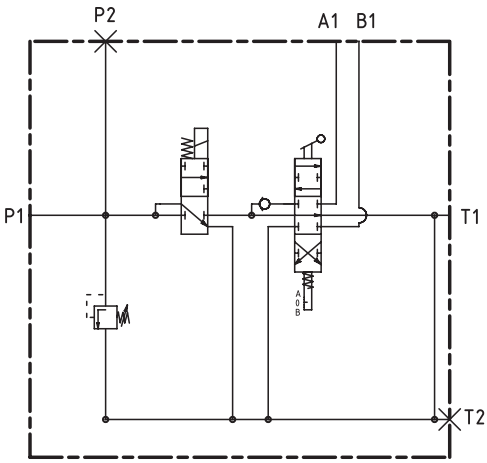
Versione V3 con bobina di messa a scarico dell'impianto 12Vcc o 24Vcc (V3 (12V); V3 (24V))
V3 version with system draining coil, 12Vdc or 24Vdc (V3 (12V); V3 (24V))

Il corpo distributore deve essere predisposto
Control valve body must be preset



Il corpo distributore deve essere predisposto
Control valve body must be preset

Versione elettrica V5: priorità 1 sez. ed interruzione alimentazione delle sezioni a valle 12Vcc o 24Vcc (V5 (12V); V5 (24V))
V5 electric version: 1 sect. priority and input cutout to downstream sections, 12Vdc or 24Vdc (V5 (12V); V5 (24V))



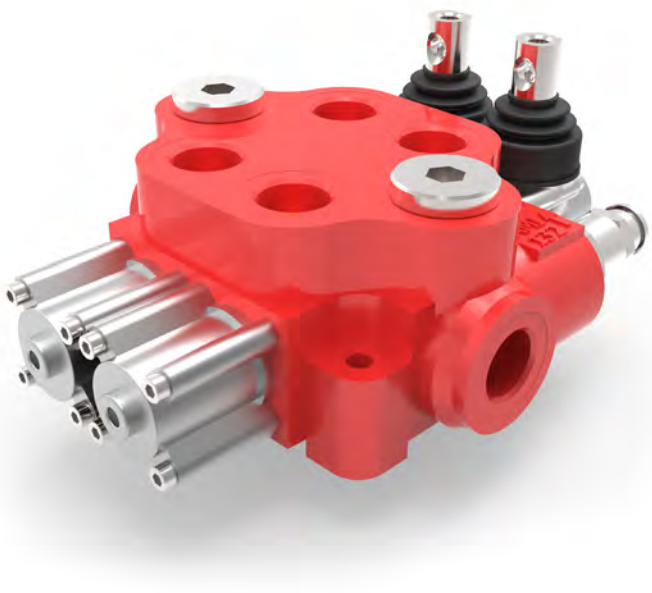
Il corpo distributore deve essere predisposto
Control valve body must be preset

Versione V6 con bobina di messa in pressione dell'impianto 12Vcc o 24Vcc (V6 (12V); V6 (24V))
V6 version with system pressurising coil, 12Vdc or 24Vdc (V6 (12V); V6 (24V))

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DISTRIBUTORE MONOBLOCCO
MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 130



Costruito da 1 a 2 sezioni
Manufactured in 1 to 2 sections

Portata nominale con filettature ABP1P2T2 = 3/4"; T1=1"
Nominal flow rate with ABP1P2T2 = 3/4"; T1=1" threads ..... **80 - 90 l/min**

Portata nominale con filettature 1"
Nominal flow rate with 1" threads ..... **130 l/min**

Pressione MAX di esercizio AMI 131 (3/4")
MAX working pressure AMI 131 (3/4") ..... **300 bar**

Pressione MAX di esercizio AMI 131 (1") - AMI 132 (3/4") - AMI 132 (1")
MAX working pressure AMI 131 (1") - AMI 132 (3/4") - AMI 132 (1") ..... **250 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **80 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 10 a 300 bar**

Cursore reversibile per entrata destra o sinistra
Reversing spool for right-hand or left-hand inlet

Ricoprimento positivo del cursore / *Positive spool overlapping*

Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

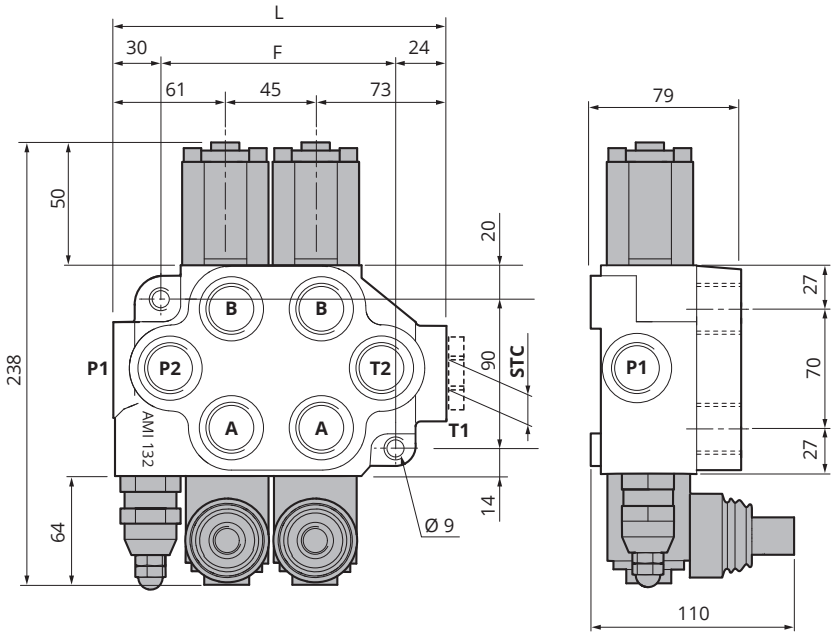
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **20 ml/min**

Versione standard: entrata SINISTRA
Standard version: LEFT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)	
			3/4"	1"
AMI 131 (a 1 sezione / *1 section*)	**134**	**80**	**6,050**	**6,200**
AMI 132 (a 2 sezioni / *2 sections*)	**179**	**125**	**9,000**	**9,200**

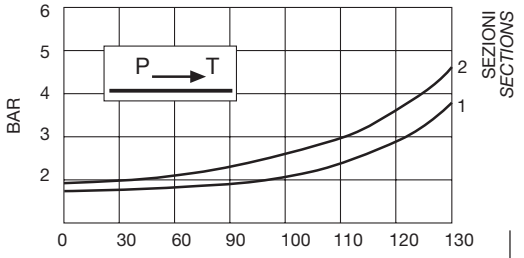


FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*
P1 - P2 - A - B - T1 - T2	**1" BSP**	**1" NPT**
P1 - P2 - A - B - T2	**3/4" BSP**	**3/4" NPT**
T1 - STC	**1" BSP**	**1" BSP**
PILOTAGGI/*CONTROL PILOT PORTS*		
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**	
IDRAULICI/*HYDRAULICS*	**G 1/4"**	

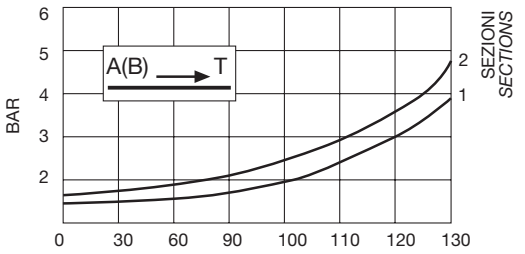
VERSIONE MANUALE
MANUAL VERSION

Caduta di pressione entrata - uscita
Pressure drop inlet-outlet

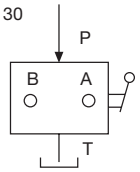


Portata litri/min
Flow rate liters/min

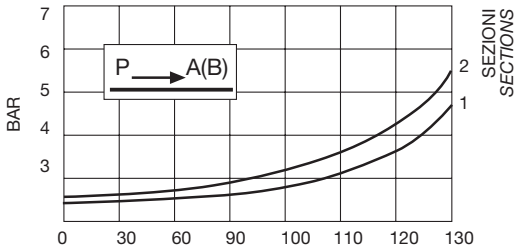
Caduta di pressione utilizzi - uscita
Pressure drop ports-outlet



Portata litri/min
Flow rate liters/min



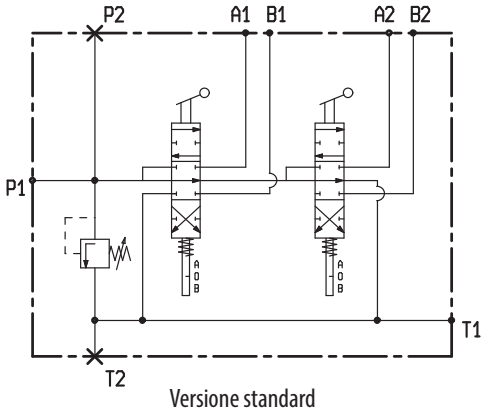
Caduta di pressione entrata - utilizzi
Pressure drop inlet-ports



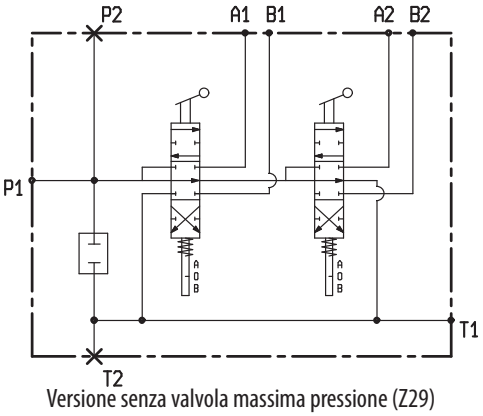
Portata litri/min
Flow rate liters/min

Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

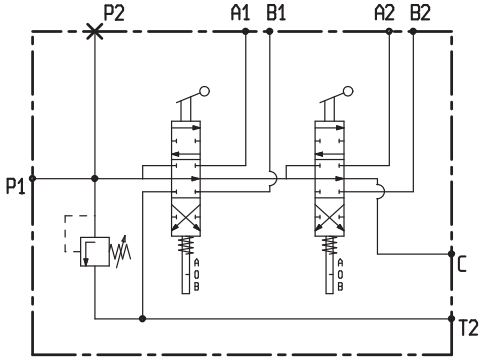
SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



Versione standard
Standard version



Versione senza valvola massima pressione (Z29)
Version without pressure relief valve (Z29)



Versione standard con CARRY-OVER
Standard version with CARRY-OVER

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DISTRIBUTORE MONOBLOCCO
MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 700



Costruito da 1 a 5 sezioni
Manufactured in 1 to 5 sections

Portata nominale
Nominal flow rate ..... **120 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **220 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **50 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 10 a 220 bar**

Valvola di ritegno unidirezionale ogni sezione / *Single-acting check valve for each section*
Ricoprimento negativo del cursore / *Negative spool overlapping*

Cursore reversibile per entrata destra o sinistra
Reversing spool for right-hand or left-hand inlet

Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

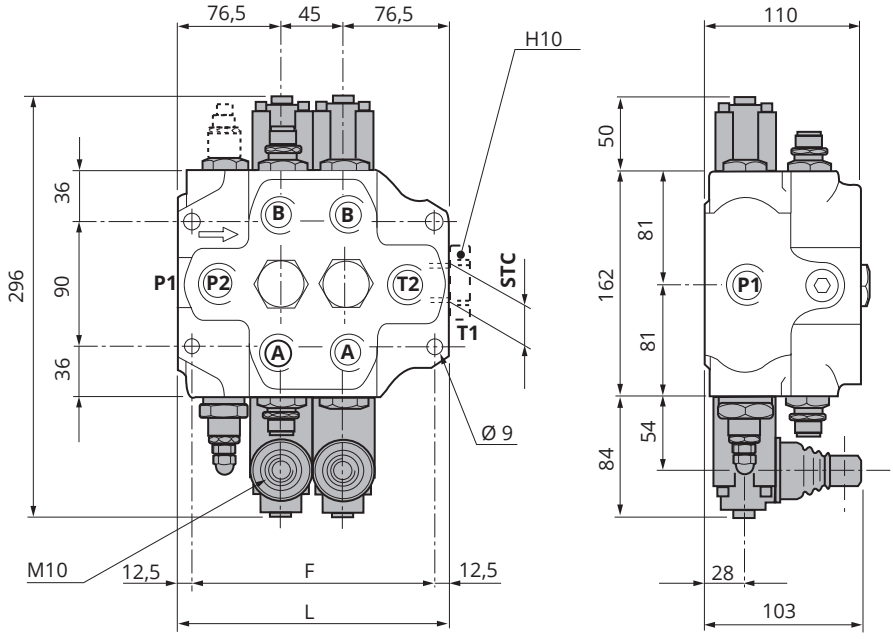
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **21 ml/min**

Versione standard: entrata SINISTRA
Standard version: LEFT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 701 (a 1 sezione / *1 section*)	**153**	**128**	**11,900**
AMI 702 (a 2 sezioni / *2 sections*)	**198**	**173**	**16,400**
AMI 703 (a 3 sezioni / *3 sections*)	**243**	**218**	**20,900**
AMI 704 (a 4 sezioni / *4 sections*)	**288**	**263**	**25,400**
AMI 705 (a 5 sezioni / *5 sections*)	**333**	**308**	**29,900**

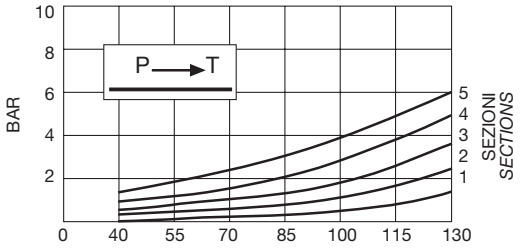


FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

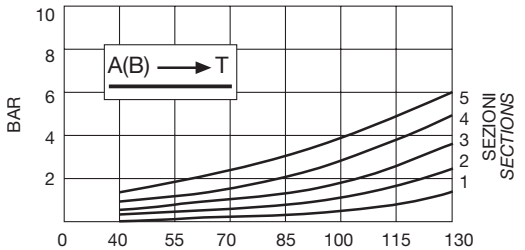
UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*
P1 - P2	**3/4" BSP**	**1" BSP**
A - B	**3/4" BSP**	**1" BSP**
T2	**1" BSP**	**1" BSP**
T1 - STC	**1" BSP**	**1" BSP**
PILOTAGGI/*CONTROL PILOT PORTS*		
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**	
IDRAULICI/*HYDRAULICS*	**G 1/4"**	

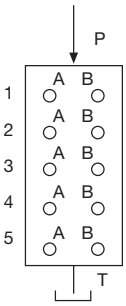
VERSIONE MANUALE
MANUAL VERSION

Caduta di pressione entrata - uscita
Pressure drop inlet - outlet

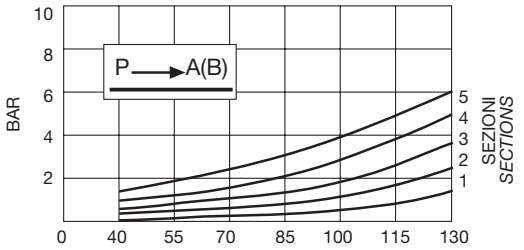


Caduta di pressione utilizzi - uscita
Pressure drop service ports - outlet

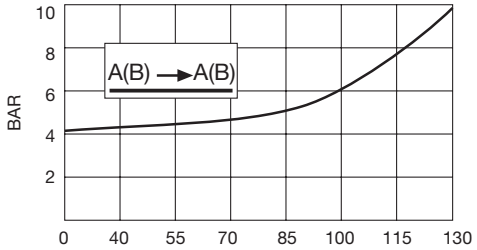




Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports

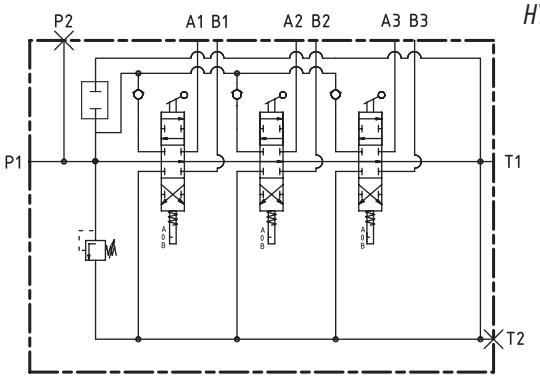


Cursore in serie in pos. comando: flusso da A-B di una sez. ad A-B della sez. serie
Spool in series in control pos. flow from A-B of one sec. to A-B of the series sec

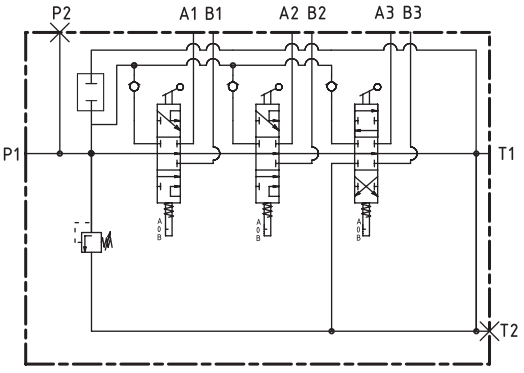


Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

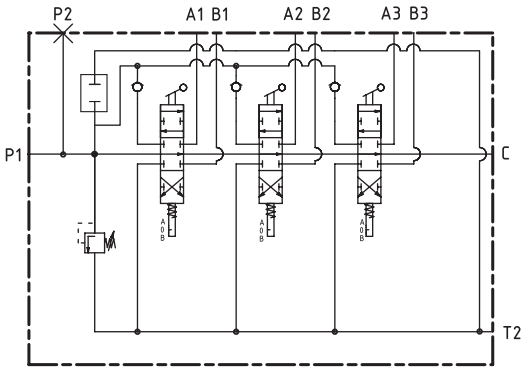
SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



Versione standard distribuzione in parallelo
Standard parallel circuit version



Versione standard distribuzione in serie
Standard series circuit version



Versione standard distribuzione in parallelo con CARRY-OVER
Standard parallel circuit version with CARRY-OVER

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DISTRIBUTORE MONOBLOCCO
MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 012MDS/LS



Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request

Costruito a 2 sezioni con circuito LOAD-SENSING
Manufactured in 2 sections with LOAD-SENSING circuit

Portata nominale
Nominal flow rate ..... **80 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **250 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **10 bar**

Valvola di ritegno unidirezionale ogni sezione / *Single-acting check valve for each section*

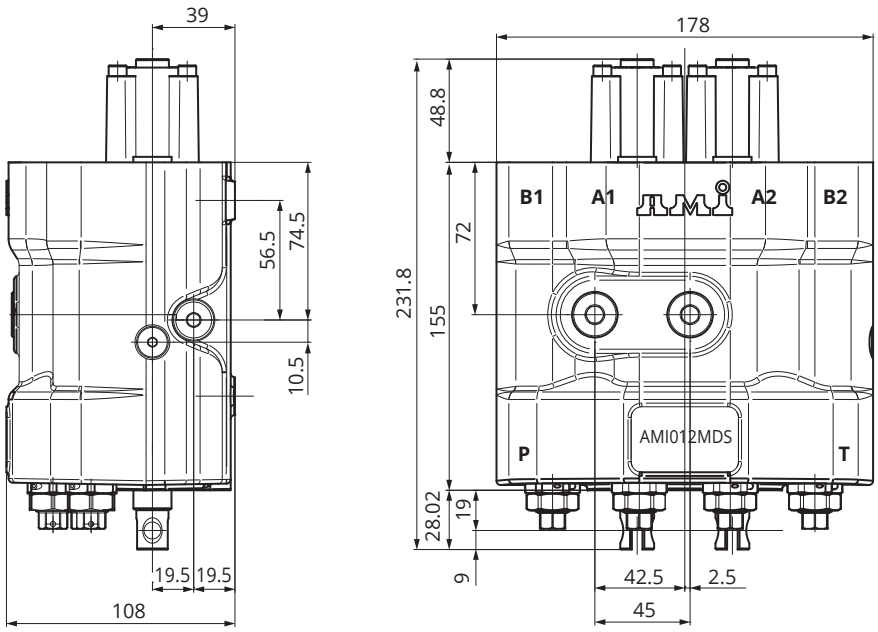
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **3 ml/min**

Peso
Weight ..... **15,300 kg**

DISTRIBUTORE MONOBLOCCO A 2 SEZIONI ADATTO PER IMPIANTI IDRAULICI CON POMPA A CILINDRATA VARIABILE CON COMPENSATORE LOAD-SENSING APPLICAZIONI: PALE E CARICATORI FRONTALI

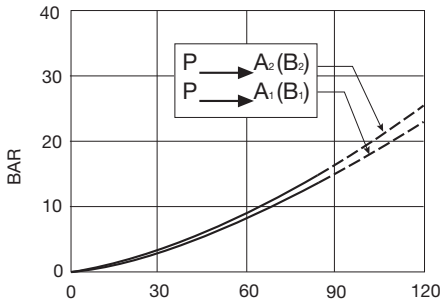
2-SECTION MONOBLOCK DIRECTIONAL CONTROL VALVE SUITABLE FOR HYDRAULIC SYSTEMS WITH VARIABLE DISPLACEMENT PUMPS WITH LOAD-SENSING COMPENSATOR APPLICATIONS: FRONT-END LOADERS



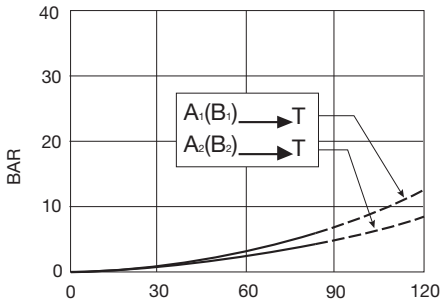
FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*
P	**3/4" BSP**
A1 - A2 - B1 - B2	**1/2" BSP**
T	**3/4" BSP**
PILOTAGGI/*CONTROL PILOT PORTS*	
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**
IDRAULICI/*HYDRAULICS*	**G 1/4"**

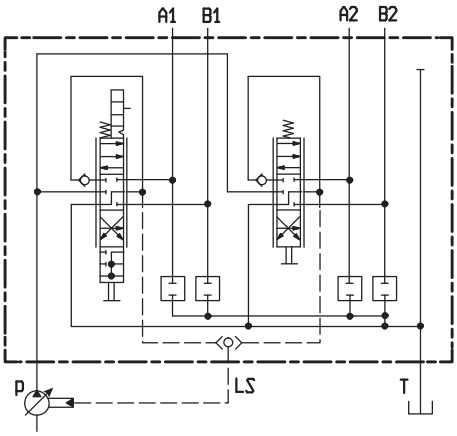
Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports



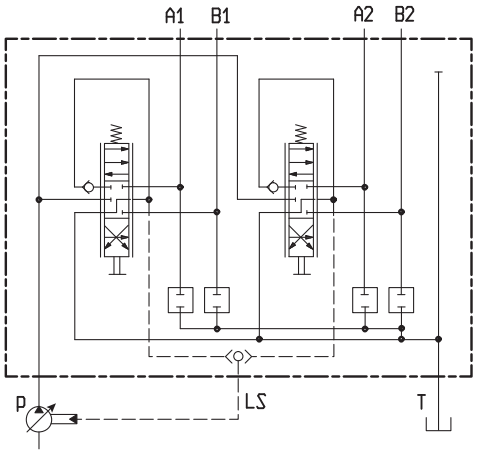
Caduta di pressione utilizzi - uscita
Pressure drop service ports - outlet



SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



Versione con circuito LS e sezione flottante
Version with LS circuit and floating section



Versione standard con circuito LS
Standard version with LS circuit

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DISTRIBUTORE MONOBLOCCO
MONOBLOCK DIRECTIONAL CONTROL VALVE

AMI 013MDS/P



Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request

Costruito da 2 sezioni con circuito in parallelo
Manufactured in 2 sections with circuit in parallel

Portata nominale
Nominal flow rate ..... **80 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **250 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **10 bar**

Valvola di ritegno unidirezionale ogni sezione / *Single-acting check valve for each section*

Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

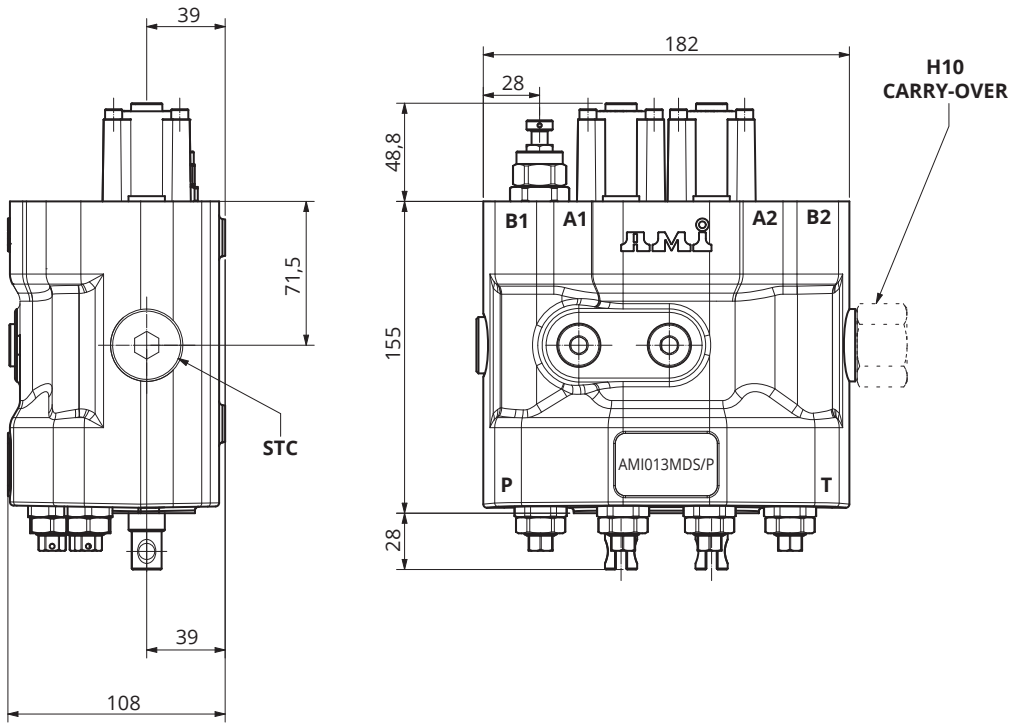
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **3 ml/min**

Peso
Weight ..... **15,300 kg**

DISTRIBUTORE MONOBLOCCO A 2 SEZIONI ADATTO PER IMPIANTI IDRAULICI CON POMPA A CILINDRATA FISSA (CIRCUITO A CENTRO APERTO)
APPLICAZIONI: PALE E CARICATORI FRONTALI

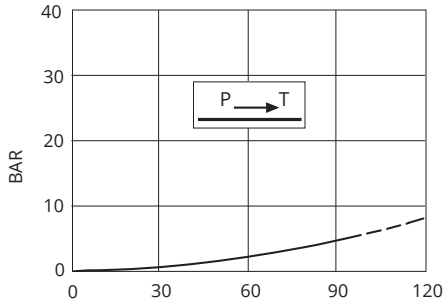
2-SECTION MONOBLOCK DIRECTIONAL CONTROL VALVE SUITABLE FOR HYDRAULIC SYSTEMS WITH FIXED DISPLACEMENT PUMPS (OPEN CENTRE CIRCUIT)
APPLICATIONS: FRONT-END LOADERS



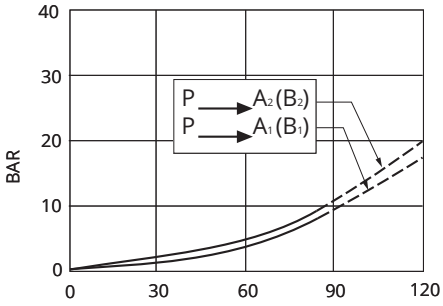
FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*
P	**3/4" BSP**
A - B	**1/2" BSP**
T - H10	**3/4" BSP**
PILOTAGGI/*CONTROL PILOT PORTS*	
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**
IDRAULICI/*HYDRAULICS*	**G 1/4"**

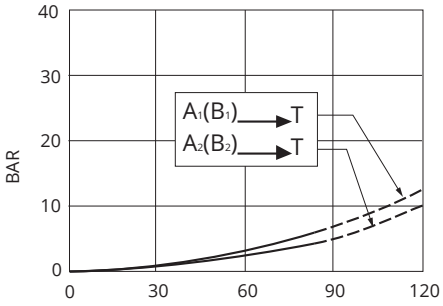
Caduta di pressione entrata - uscita
Pressure drop inlet - outlet



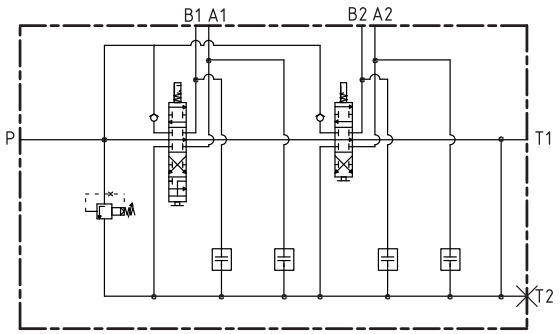
Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports



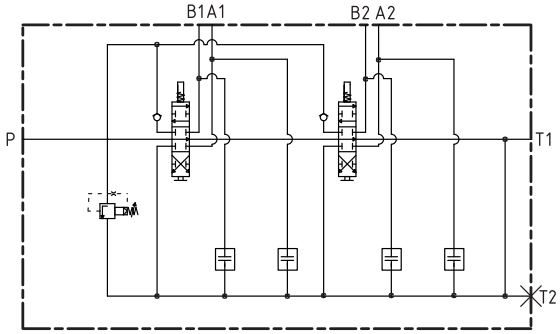
Caduta di pressione utilizzi - uscita
Pressure drop service ports - outlet



SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



Versione con distribuzione in parallelo e sezione flottante
Version with parallel flow control and floating section

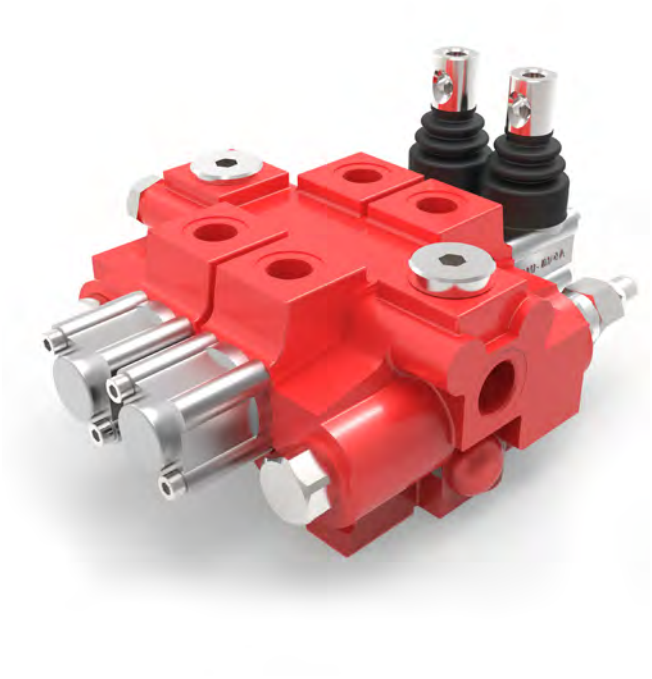


Versione standard distribuzione in parallelo
Standard parallel circuit version

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DISTRIBUTORE COMPONIBILE
SECTIONAL CONTROL VALVE

AMI 5C



Costruito da 1 a 10 elementi
Manufactured in 1 to 10 elements

Portata nominale
Nominal flow rate ..... **50 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **350 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **80 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 10 a 350 bar**

Valvola di ritegno unidirezionale in entrata / *Single-acting check valve on inlet*
Ricoprimento negativo del cursore / *Negative spool overlapping*

Cursore reversibile per entrata destra o sinistra
Reversing spool for right-hand or left-hand inlet

Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

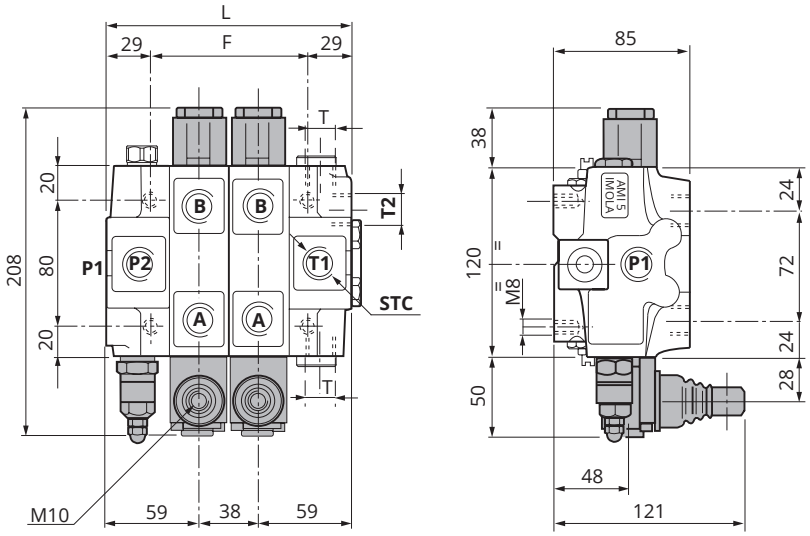
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **20 ml/min**

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 5C/1 (a 1 sezione / *1 section*)	118	60	5,700
AMI 5C/2 (a 2 sezioni / *2 sections*)	156	98	8,200
AMI 5C/3 (a 3 sezioni / *3 sections*)	194	136	10,700
AMI 5C/4 (a 4 sezioni / *4 sections*)	232	174	13,200
AMI 5C/5 (a 5 sezioni / *5 sections*)	270	212	15,700
AMI 5C/6 (a 6 sezioni / *6 sections*)	308	250	18,200
AMI 5C/7 (a 7 sezioni / *7 sections*)	346	288	20,700
AMI 5C/8 (a 8 sezioni / *8 sections*)	384	326	23,200
AMI 5C/9 (a 9 sezioni / *9 sections*)	422	364	25,700
AMI 5C/10 (a 10 sezioni / *10 sections*)	460	402	28,200

Versione standard: entrata SINISTRA
Standard version: LEFT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request

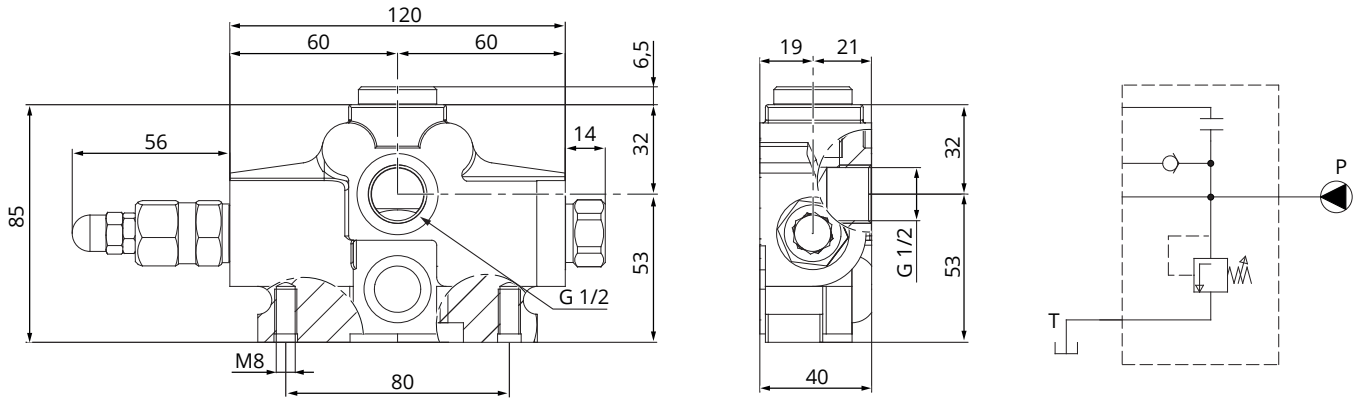


FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*		
P1 - P2	**1/2" BSP**	**1/2" - 14 NPT**	**1/2" BSP**	**18x1,5**
A - B	**3/8" BSP**	**1/2" - 14 NPT**	**1/2" BSP**	**18x1,5**
T2	**1/2" BSP**	**1/2" - 14 NPT**	**1/2" BSP**	**22x1,5**
T1 - STC	**1/2" BSP**	**1/2" - 14 NPT**	**1/2" BSP**	**22x1,5**
PILOTAGGI/*CONTROL PILOT PORTS*				
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**			
IDRAULICI/*HYDRAULICS*	**G 1/4"**			

P1D

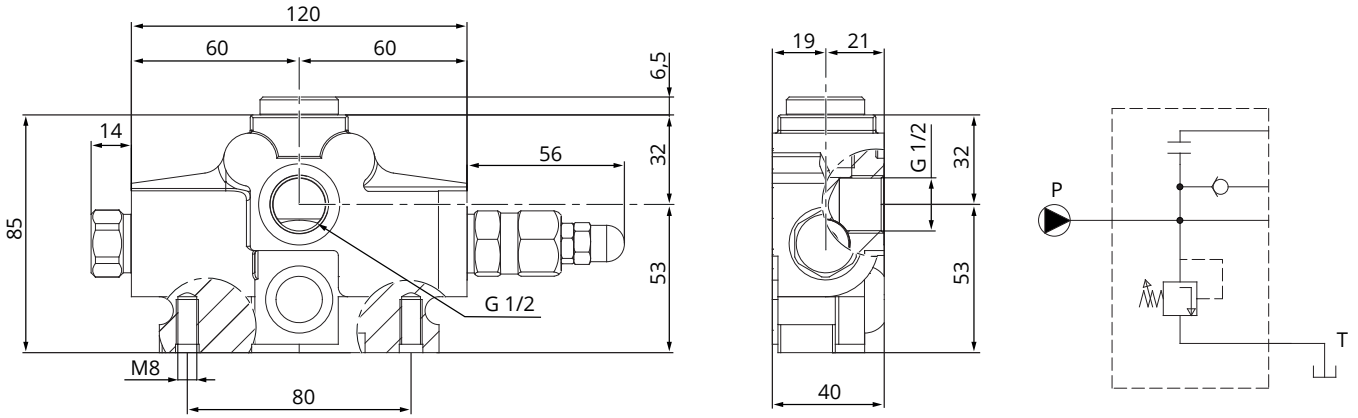
Elemento di entrata destra con valvola di max pressione e valvola unidirezionale (Z26)
Rh Inlet element with pressure relief valve and single-acting valve (Z26)



*

P1S

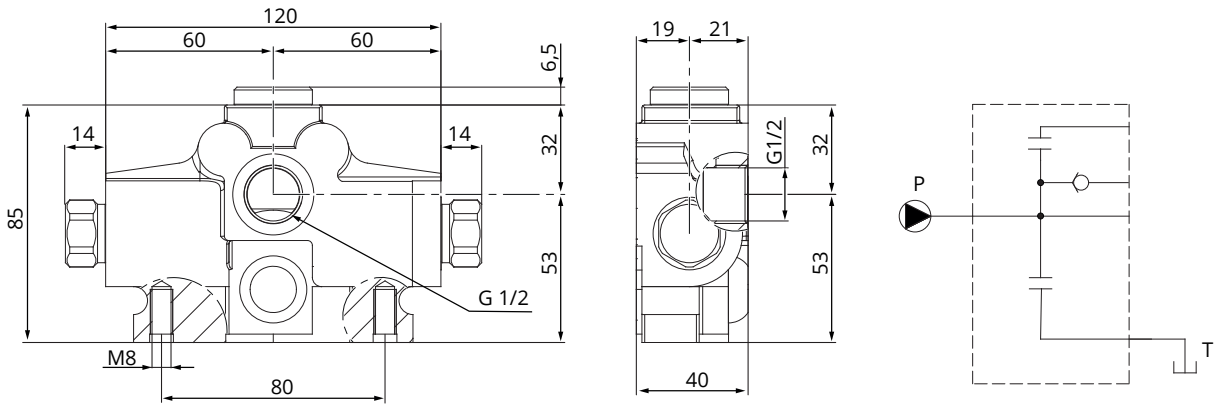
Elemento di entrata sinistra con valvola di max pressione e valvola unidirezionale (Z26)
Lh Inlet element with pressure relief valve and single-acting valve (Z26)



*

P3S

Elemento di entrata sinistra con valvola unidirezionale (Z28) e tappi sostitutivi valvola
Lh inlet element with single-acting valve (Z28) and valve replacing plugs



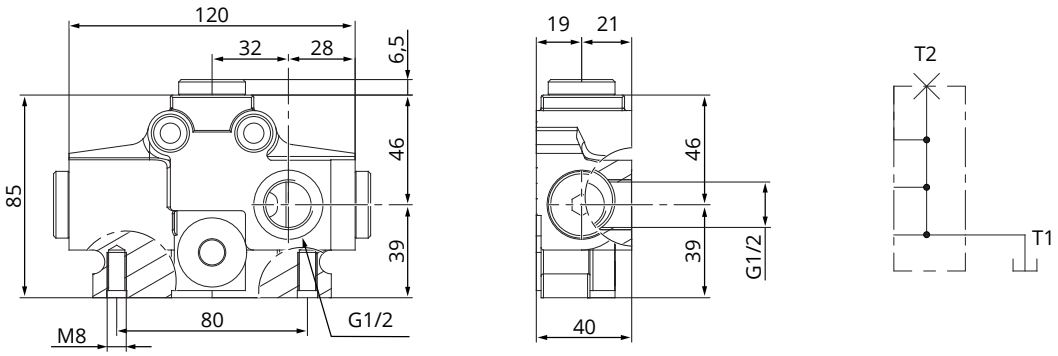
*

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* **Vedi altre opzioni per elemento di entrata a pag. B-1** / *See other inlet element options on page B-1*

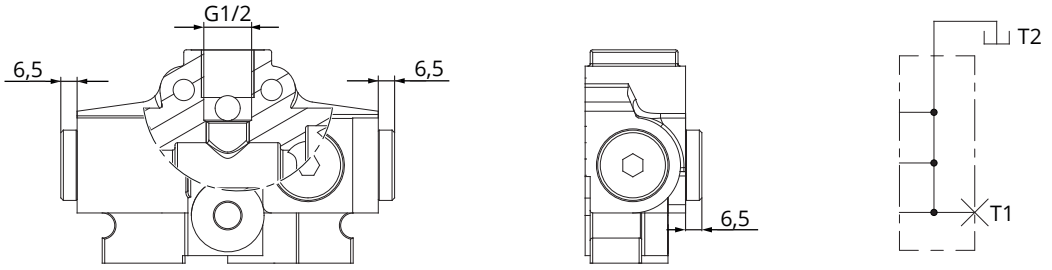
3D

Scarico laterale
Side outlet



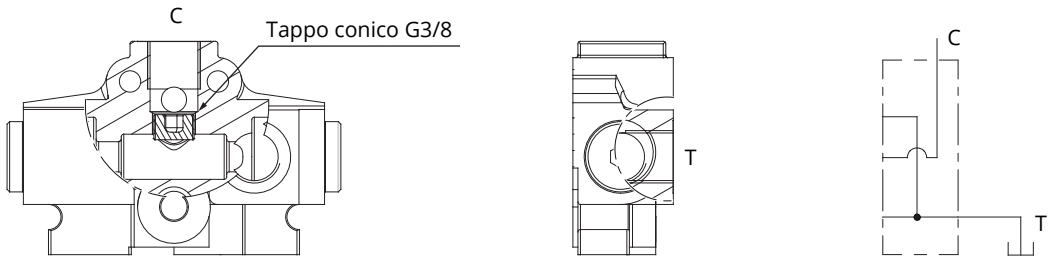
3DS

Scarico superiore
Upper outlet



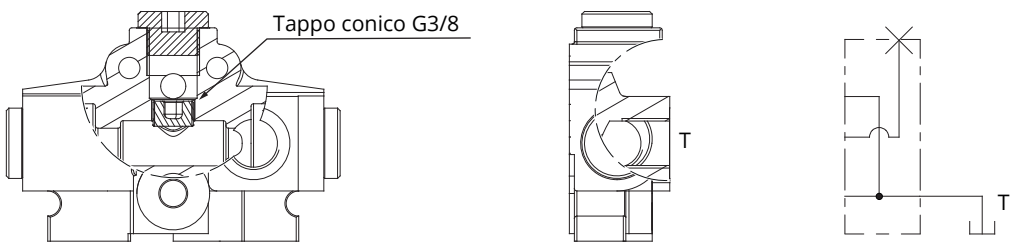
3DC

Continuazione della linea di pressione
Side outlet with upper CARRY-OVER



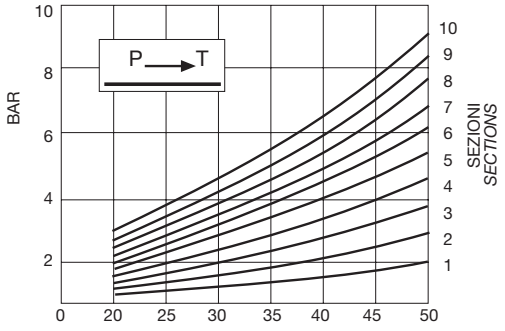
3DCC

Centro chiuso
Side outlet and closed centre

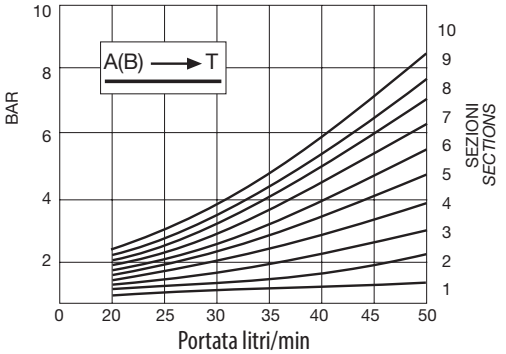


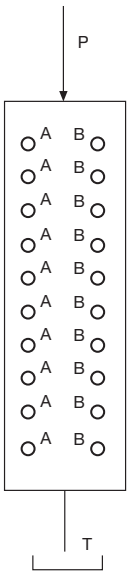
VERSIONE MANUALE
MANUAL VERSION

Caduta di pressione entrata - uscita
Pressure drop inlet-outlet

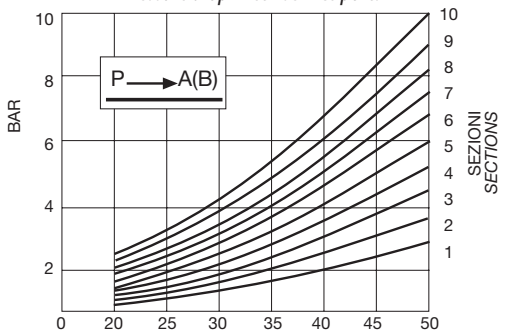


Caduta di pressione utilizzi - uscita
Pressure drop service ports-outlet

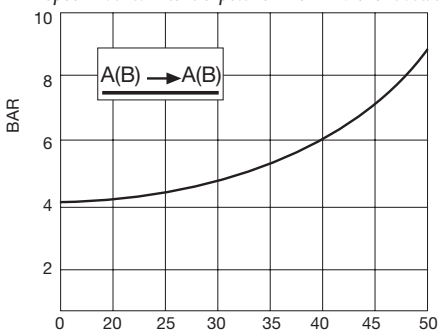




Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports

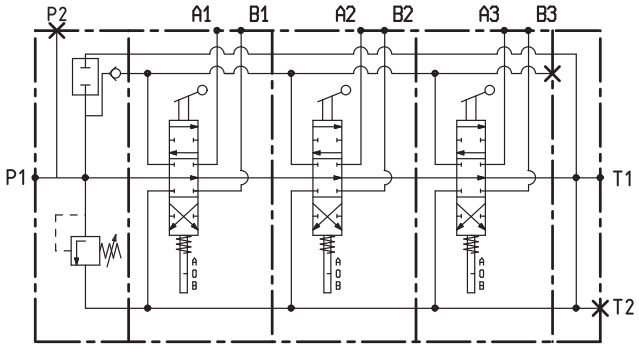


Cursore in serie in pos. comando: flusso da A-B di una sez. ad A-B della sez. serie
Spool in series in control pos. flow from A-B of one sec. to A-B of the series sec

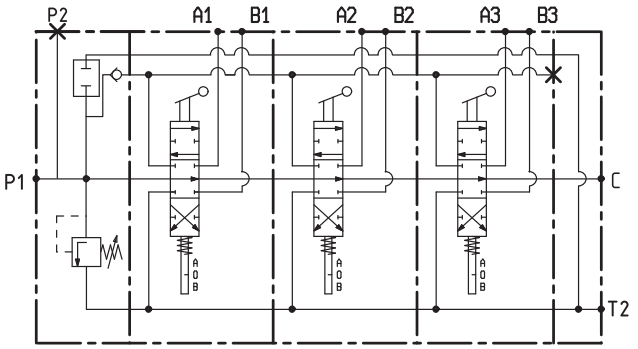


Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



Versione standard distribuzione in parallelo
Standard parallel circuit version

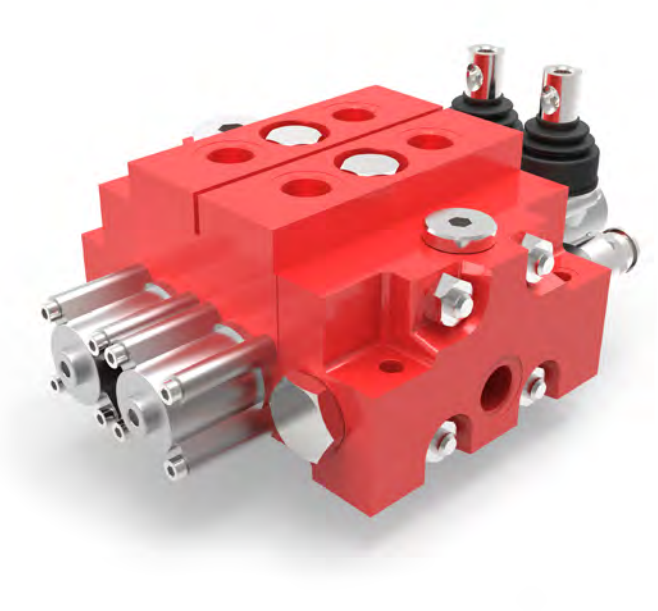


Versione standard distribuzione in parallelo con CARRY-OVER
Standard parallel circuit version with CARRY-OVER

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DISTRIBUTORE COMPONIBILE
SECTIONAL CONTROL VALVE

AMI 42C



Costruito da 1 a 10 elementi
Manufactured in 1 to 10 elements

Portata nominale
Nominal flow rate ..... **70 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **350 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **80 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 10 a 350 bar**

Valvola di ritegno unidirezionale ogni elemento / *Single-acting check valve for each element*
Ricoprimento negativo del cursore / *Negative spool overlapping*

Cursore reversibile per entrata destra o sinistra
Reversing spool for right-hand or left-hand inlet

Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

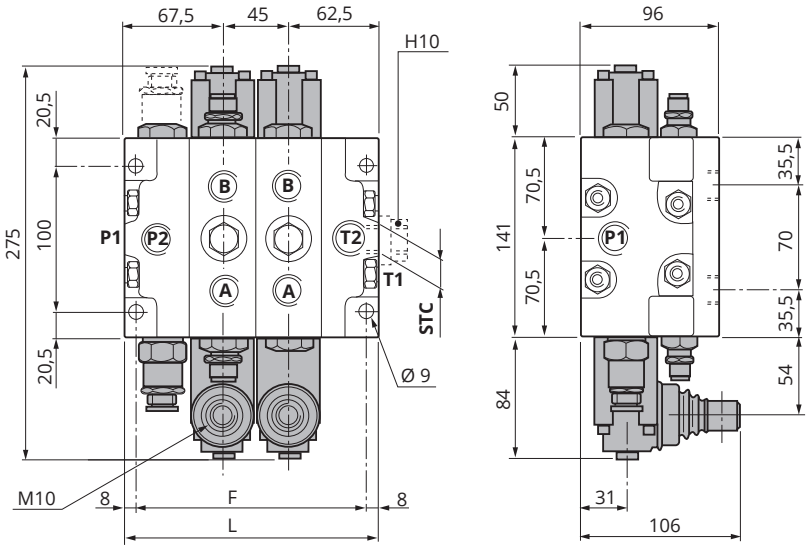
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **20 ml/min**

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 42C/1 (a 1 sezione / *1 section*)	**130**	**114**	**8,900**
AMI 42C/2 (a 2 sezioni / *2 sections*)	**175**	**159**	**12,000**
AMI 42C/3 (a 3 sezioni / *3 sections*)	**220**	**204**	**16,900**
AMI 42C/4 (a 4 sezioni / *4 sections*)	**265**	**249**	**20,900**
AMI 42C/5 (a 5 sezioni / *5 sections*)	**310**	**294**	**24,900**
AMI 42C/6 (a 6 sezioni / *6 sections*)	**355**	**339**	**28,900**
AMI 42C/7 (a 7 sezioni / *7 sections*)	**400**	**384**	**32,900**
AMI 42C/8 (a 8 sezioni / *8 sections*)	**445**	**429**	**36,900**
AMI 42C/9 (a 9 sezioni / *9 sections*)	**490**	**474**	**40,900**
AMI 42C/10 (a 10 sezioni / *10 sections*)	**535**	**519**	**44,900**

Versione standard: entrata SINISTRA
Standard version: LEFT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request

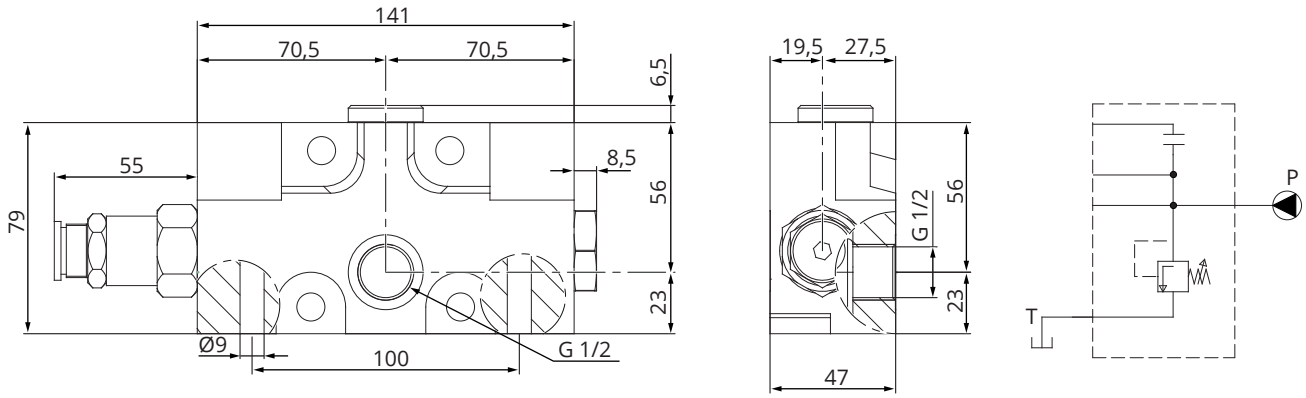


FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*		
P1 - P2	**1/2" BSP**	**1/2" - 14 NPT**	**18x1,5**	**3/4" BSP**
A - B	**1/2" BSP**	**1/2" - 14 NPT**	**18x1,5**	
T2	**3/4" BSP**	**3/4" - 14 NPT**	**22x1,5**	
T1 - STC	**3/4" BSP**	**3/4" BSP**	**3/4" BSP**	
PILOTAGGI/*CONTROL PILOT PORTS*				
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**			
IDRAULICI/*HYDRAULICS*	**G 1/4"**			

P2D

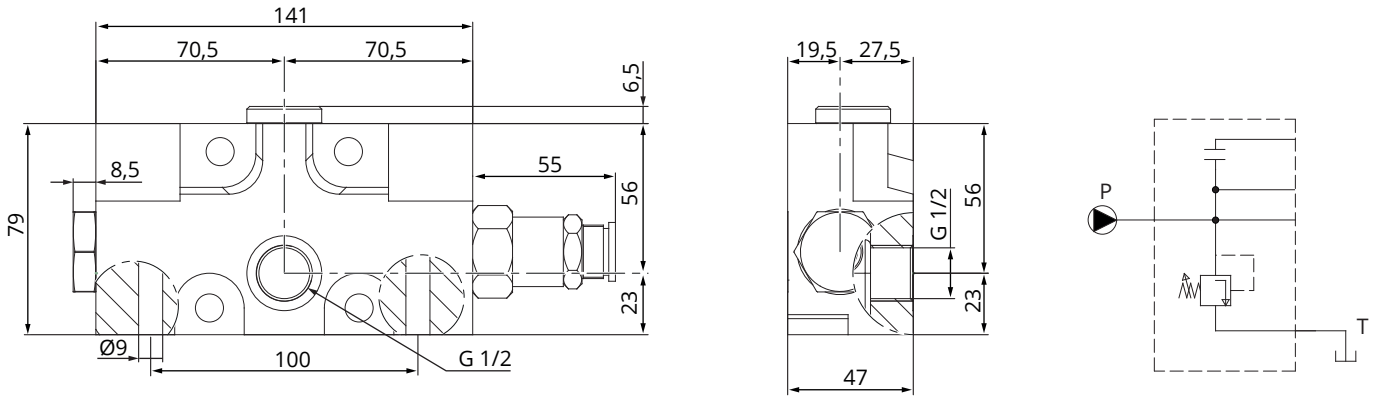
Elemento di entrata destra con valvola di max pressione
Rh Inlet element with pressure relief valve



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P2S

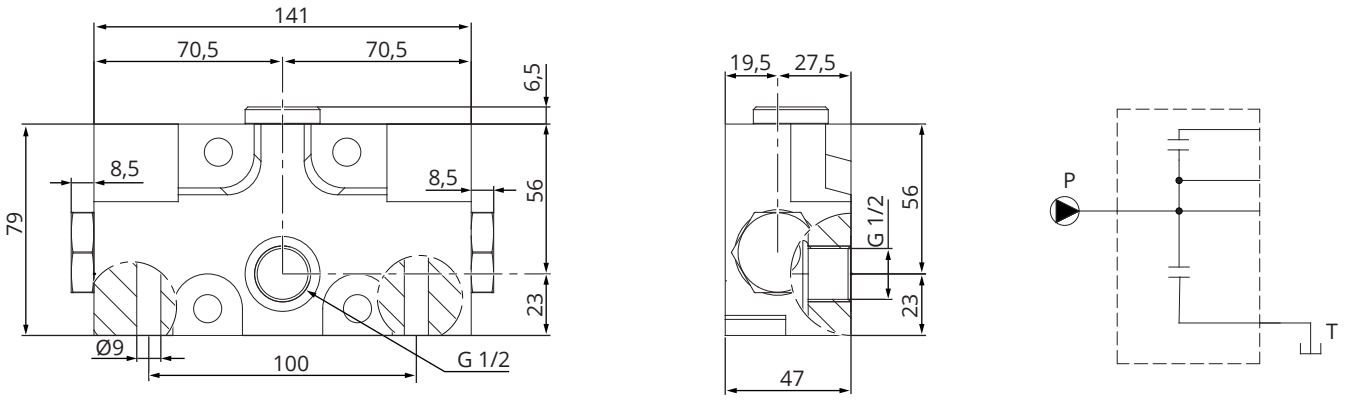
Elemento di entrata sinistra con valvola di max pressione
Lh Inlet element with pressure relief valve



*

P4S

Elemento di entrata sinistra e tappi sostitutivi valvola
Lh inlet element and valve replacing plugs



*

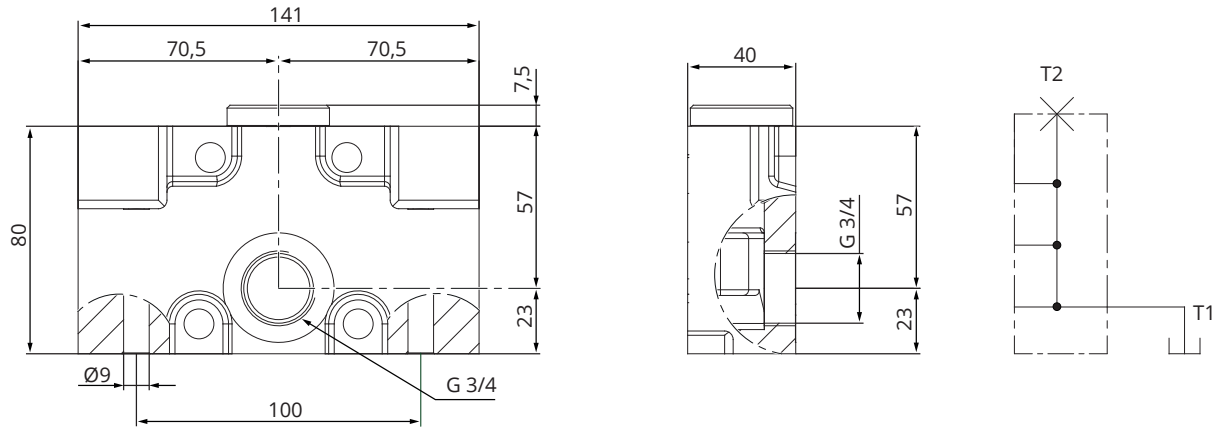
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* **Vedi altre opzioni per elemento di entrata a pag. B-1** / *See other inlet element options on page B-1*

DIMENSIONI E CIRCUITO IDRAULICO / *DIMENSIONS AND HYDRAULIC CIRCUIT*

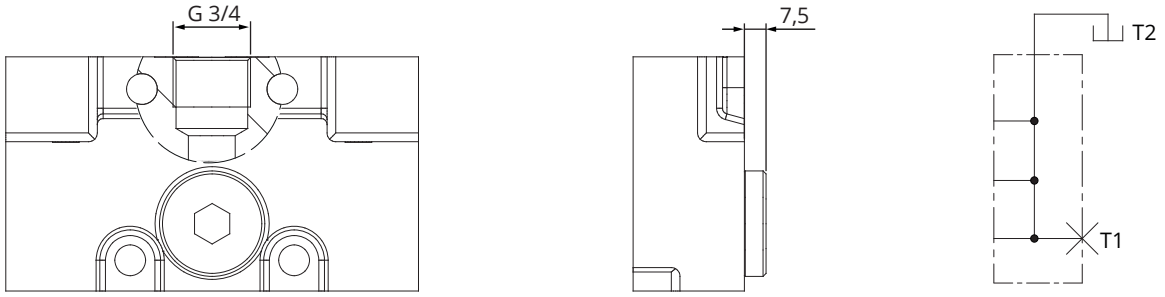
3D

Scarico laterale
Side outlet



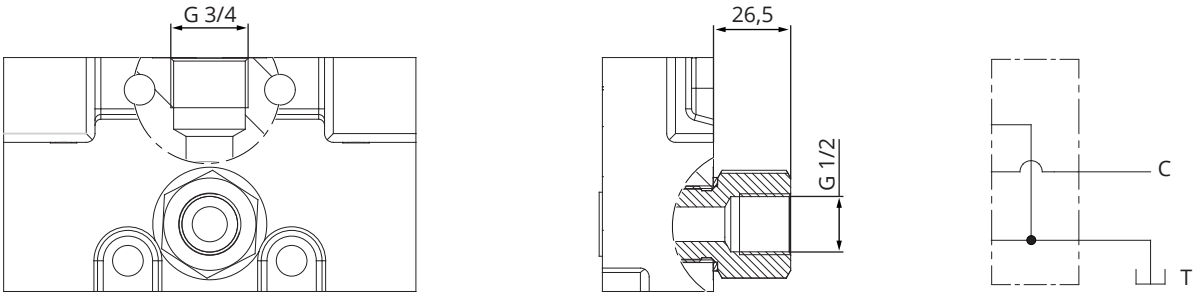
3DS

Scarico superiore
Upper outlet



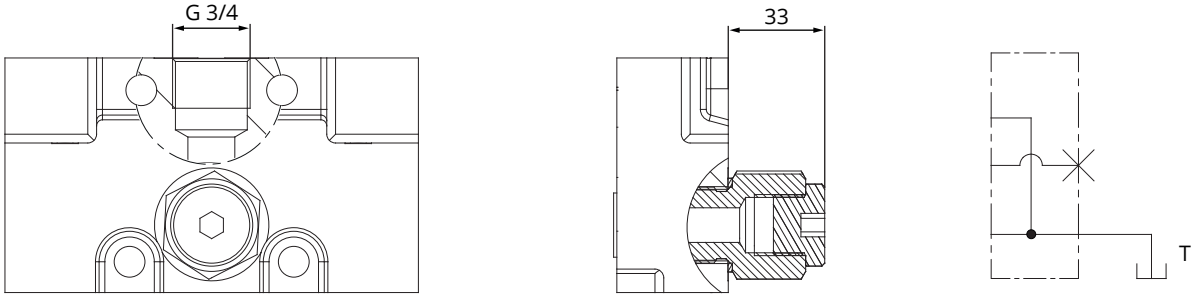
3DC

Continuazione della linea di pressione
Side outlet with upper CARRY-OVER



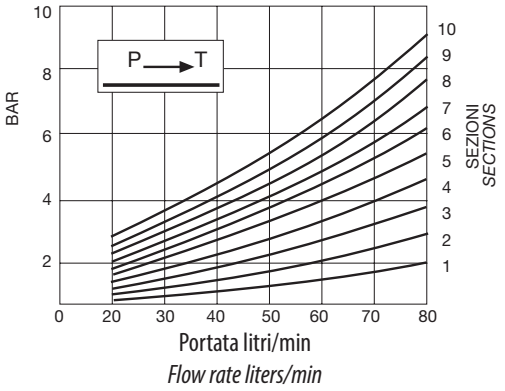
3DCC

Centro chiuso
Side outlet and closed centre

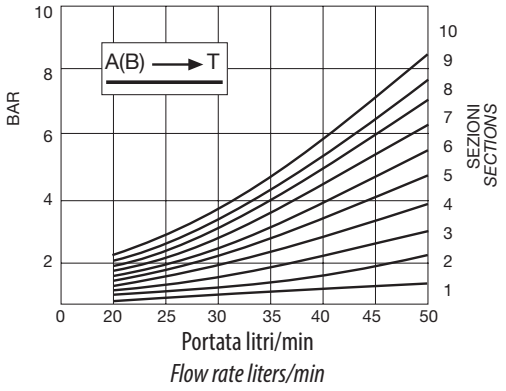


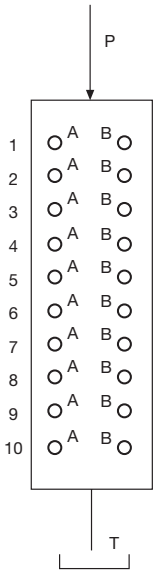
VERSIONE MANUALE
MANUAL VERSION

Caduta di pressione entrata - uscita
Pressure drop inlet-outlet

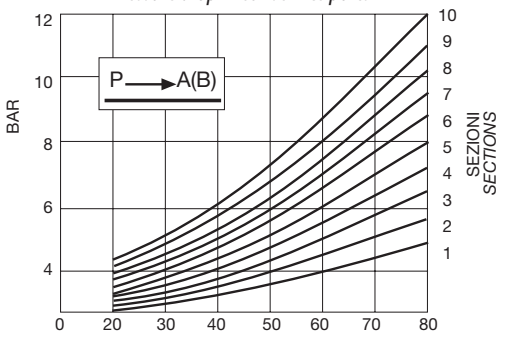


Caduta di pressione utilizzi - uscita
Pressure drop service ports-outlet

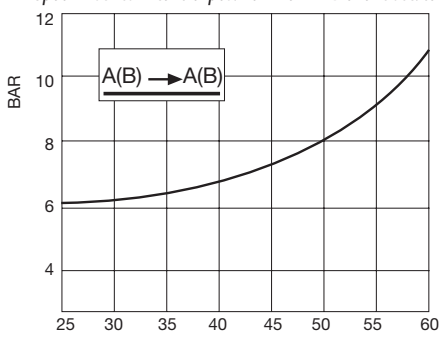




Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports

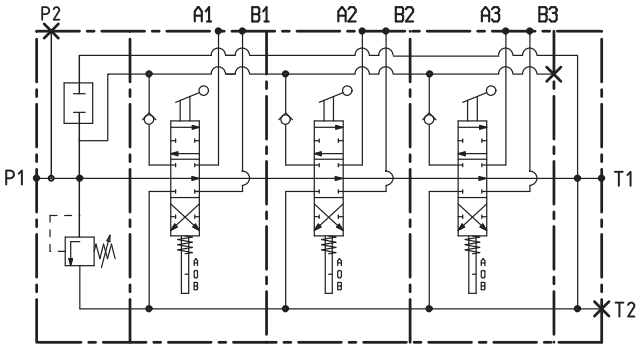


Cursore in serie in pos. comando: flusso da A-B di una sez. ad A-B della sez. serie
Spool in series in control pos. flow from A-B of one sec. to A-B of the series sec

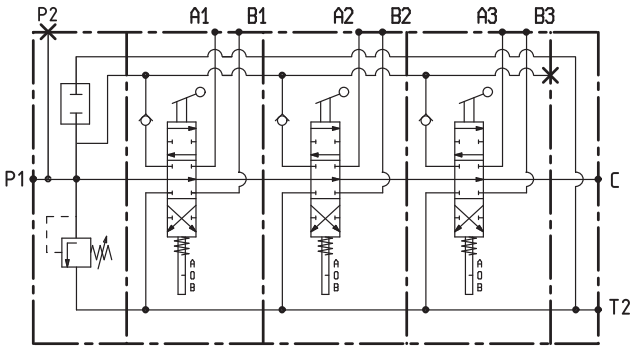


Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



Versione standard
Standard version

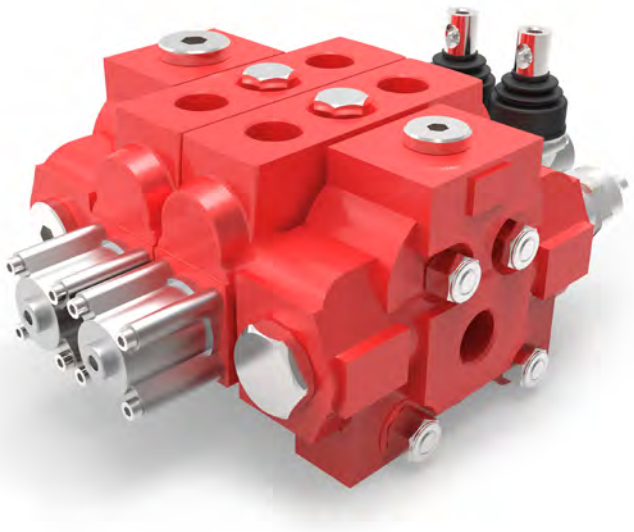


Versione standard con CARRY-OVER
Standard version with CARRY-OVER

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DISTRIBUTORE COMPONIBILE
SECTIONAL CONTROL VALVE

AMI 12C



Costruito da 1 a 10 elementi
Manufactured in 1 to 10 elements

Portata nominale
Nominal flow rate ..... **120 l/min**

Pressione MAX di esercizio
MAX working pressure ..... **250 bar**

Contropressione MAX allo scarico
MAX return backpressure ..... **80 bar**

Valvola di MAX PRESSIONE standard tarabile
Standard PRESSURE RELIEF valve, may be set ..... **da 30 a 250 bar**

Valvola di ritegno unidirezionale ogni elemento / *Single-acting check valve for each element*
Ricoprimento negativo del cursore / *Negative spool overlapping*

Cursore reversibile per entrata destra o sinistra
Reversing spool for right-hand or left-hand inlet

Predisposto per la continuazione della linea di pressione (STC)
STC: presetting for CARRY-OVER

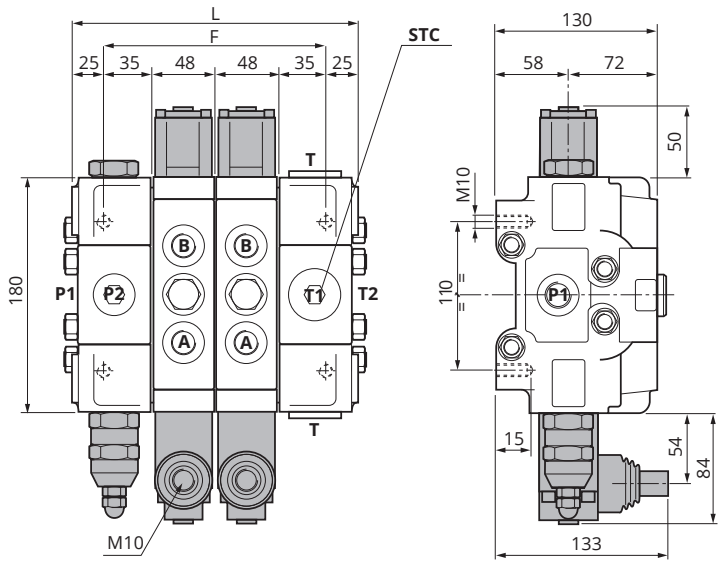
Temperatura di esercizio
Working temperature ..... **min.-30°C ÷ max. 80°C**

Trafil. MAX cursore a 100 bar (Temp. 50°C Visc. 27 cSt)
MAX spool leakage at 100 bar (Temp. 50°C Visc. 27 cSt) ..... **21 ml/min**

MODELLO/MODEL	L (MM)	F (MM)	PESO/WEIGHT (KG)
AMI 12C/1 (a 1 sezione / *1 section*)	168	118	18,600
AMI 12C/2 (a 2 sezioni / *2 sections*)	216	166	24,900
AMI 12C/3 (a 3 sezioni / *3 sections*)	264	214	31,200
AMI 12C/4 (a 4 sezioni / *4 sections*)	312	262	37,500
AMI 12C/5 (a 5 sezioni / *5 sections*)	360	310	43,800
AMI 12C/6 (a 6 sezioni / *6 sections*)	408	358	50,100
AMI 12C/7 (a 7 sezioni / *7 sections*)	456	406	56,400
AMI 12C/8 (a 8 sezioni / *8 sections*)	504	454	62,700
AMI 12C/9 (a 9 sezioni / *9 sections*)	552	502	69,000
AMI 12C/10 (a 10 sezioni / *10 sections*)	600	550	75,300

Versione standard: entrata SINISTRA
Standard version: LEFT-HAND inlet

Trattamento antiruggine - a richiesta
Rust-preventive treatment - on request

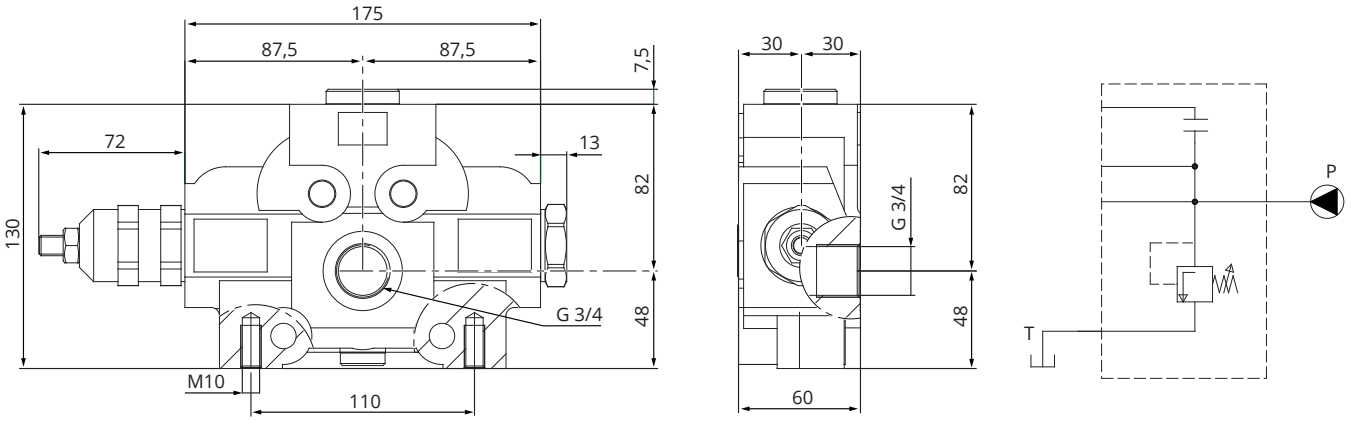


FILETTATURE DISPONIBILI / *AVAILABLE THREADS*

UTILIZZI/*PORTS*	*STANDARD*	A RICHIESTA/*ON DEMAND*
P1 - P2	**3/4" BSP**	**1" BSP**
A - B	**3/4" BSP**	**3/4" BSP**
T2	**1" BSP**	**1" BSP**
T1 - STC	**1" BSP**	**1" BSP**
PILOTAGGI/*CONTROL PILOT PORTS*		
PNEUMATICI/*PNEUMATICS*	**1/8" BSP**	
IDRAULICI/*HYDRAULICS*	**G 1/4"**	

P2D

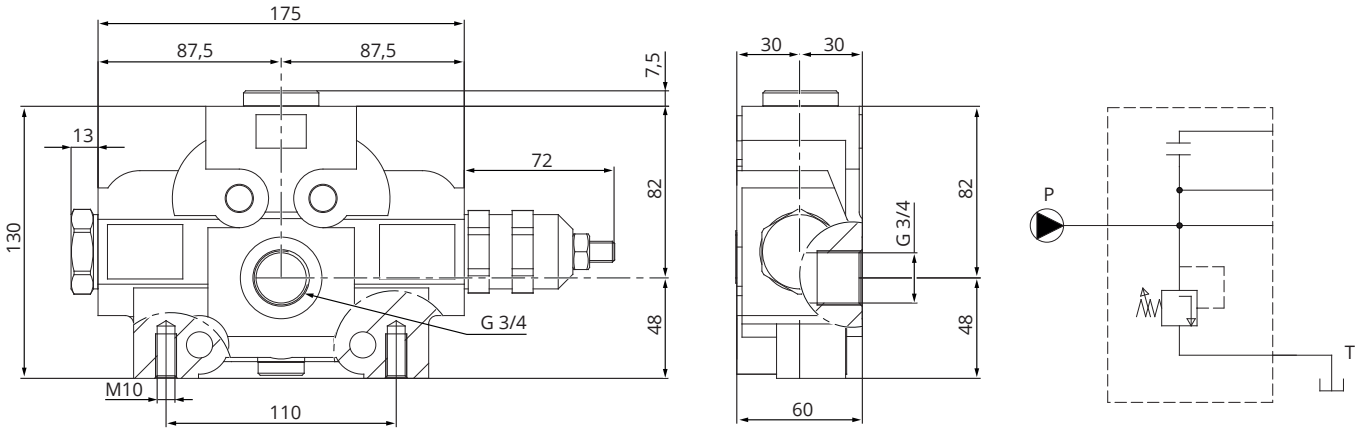
Elemento di entrata destra con valvola di max pressione
Rh Inlet element with pressure relief valve



*

P2S

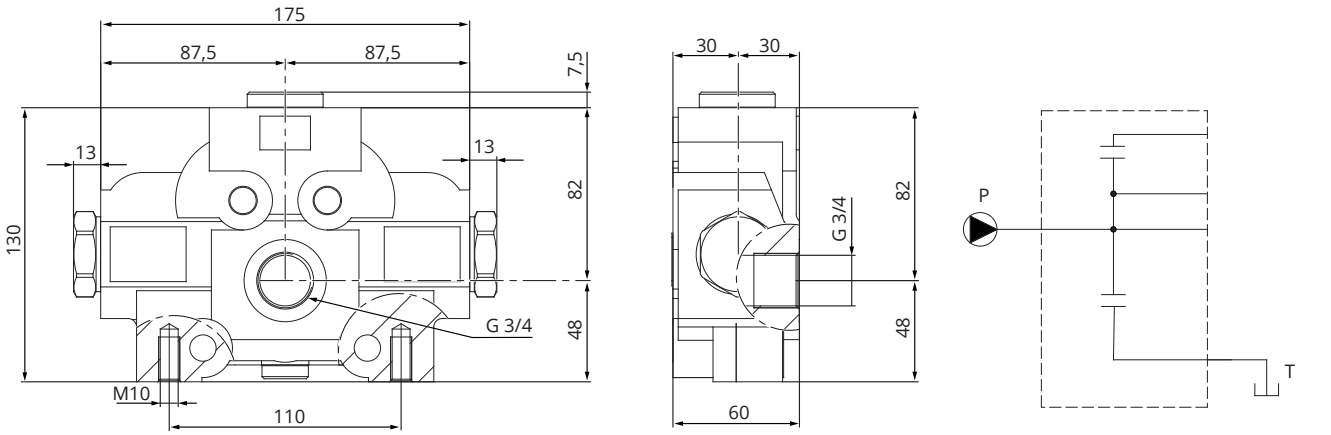
Elemento di entrata sinistra con valvola di max pressione
Lh Inlet element with pressure relief valve



*

P4S

Elemento di entrata sinistra e tappi sostitutivi valvola
Lh inlet element and valve replacing plugs



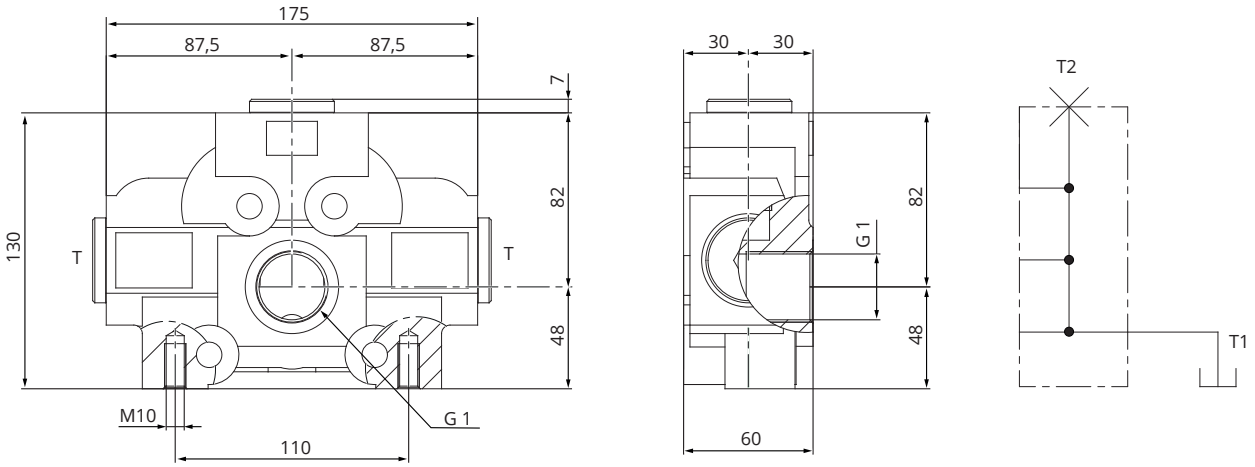
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Vedi altre opzioni per elemento di entrata a pag. B-1 / *See other inlet element options on page B-1*

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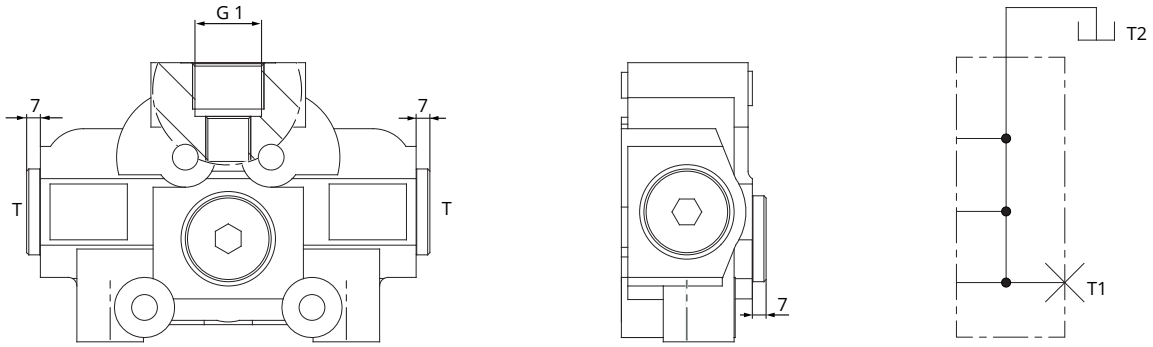
3D

Scarico laterale
Side outlet



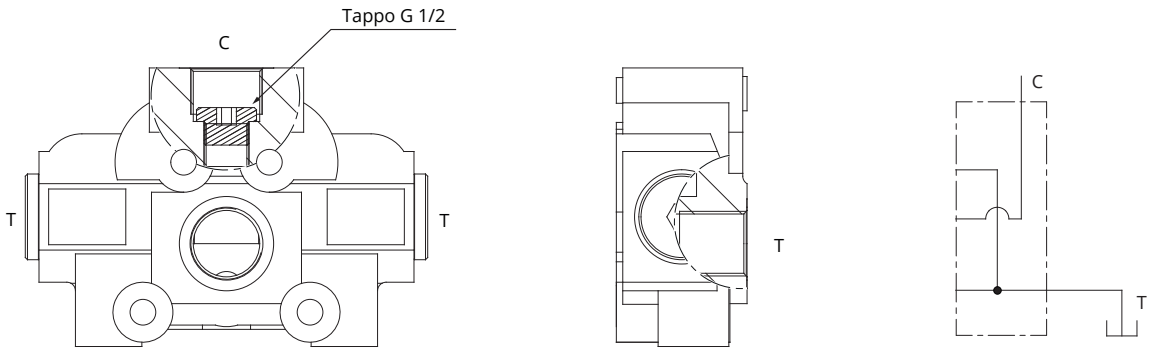
3DS

Scarico superiore
Upper outlet



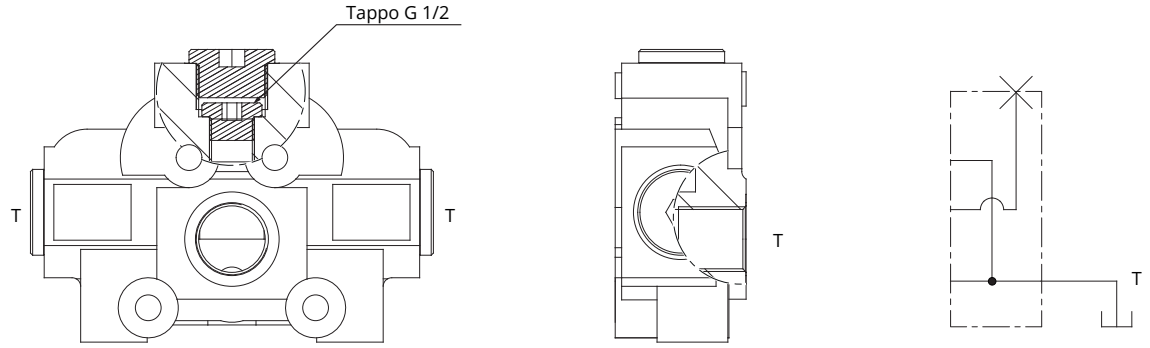
3DC

Continuazione della linea di pressione
Side outlet with upper CARRY-OVER



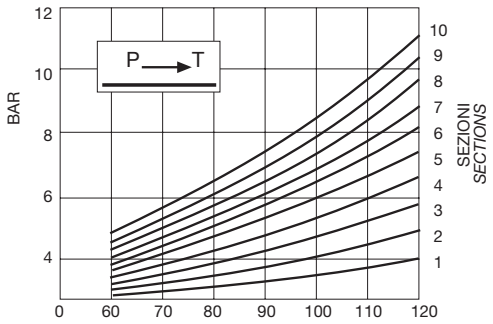
3DCC

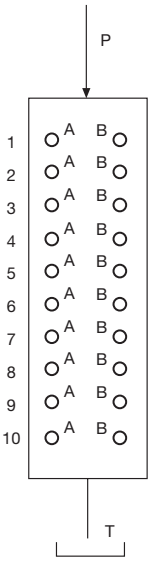
Centro chiuso
Side outlet and closed centre



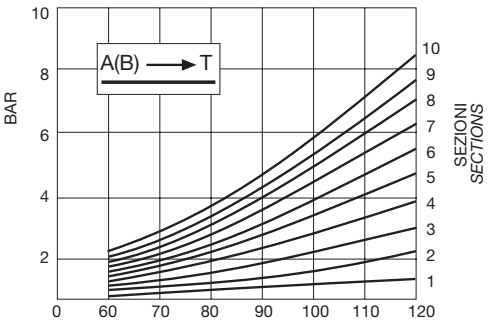
VERSIONE MANUALE
MANUAL VERSION

Caduta di pressione entrata - uscita
Pressure drop inlet-outlet

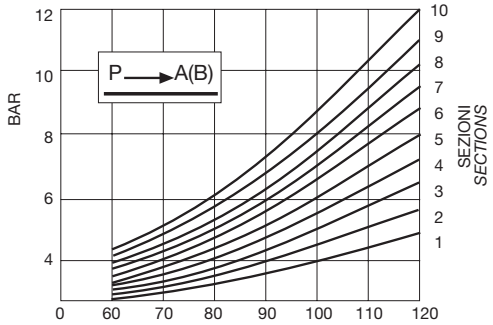




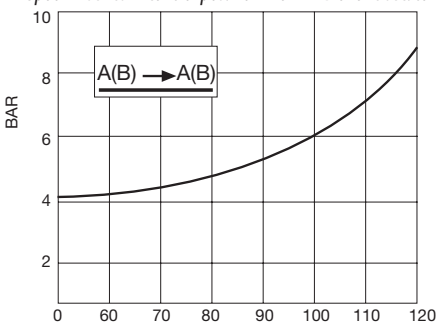
Caduta di pressione utilizzi - uscita
Pressure drop service ports-outlet



Caduta di pressione entrata - utilizzi
Pressure drop inlet - service ports

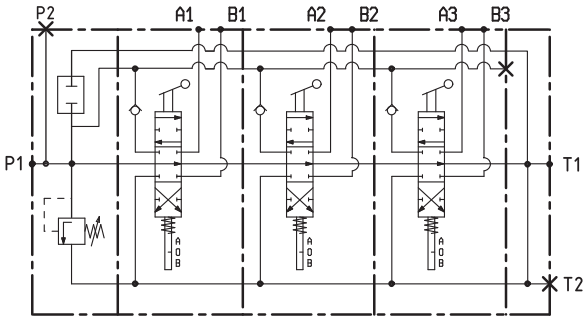


Cursore in serie in pos. comando: flusso da A-B di una sez. ad A-B della sez. serie
Spool in series in control pos. flow from A-B of one sec. to A-B of the series sec

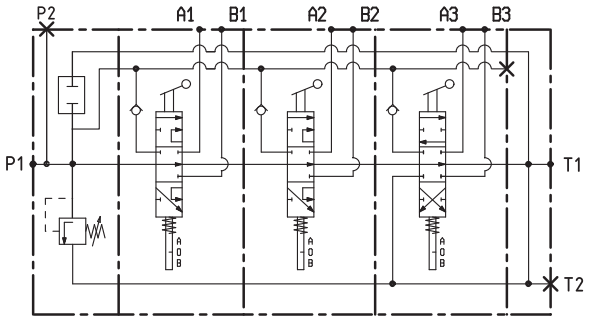


Prove effettuate con olio viscosità 4°E a 50°C
Tests performed with 4°E visc. oil at 50°C

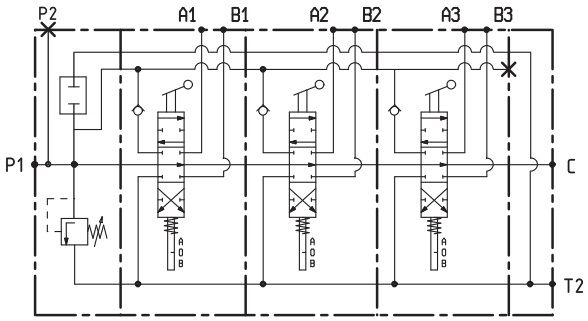
SCHEMA IDRAULICO
HYDRAULIC SYSTEM DIAGRAM



Versione standard distribuzione in parallelo
Standard parallel circuit version



Versione standard distribuzione in serie
Standard series circuit version



Versione standard distribuzione in parallelo con CARRY-OVER
Standard parallel circuit version with CARRY-OVER

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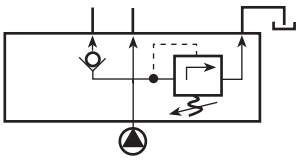

OLEODINAMICA
AMI
since 1959

COLLETTORI DI ENTRATA
INLET MANIFOLDS

AMI: **Le sigle dei distributori in grigio non sono disponibili per i rispettivi collettori.**
The codes of the control valves in grey are not available for their respective manifolds.

P1S

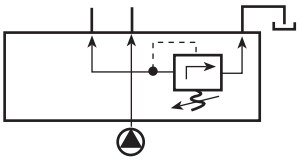
Collettore di entrata sinistra con valvola di max pressione e valvola unidirezionale (Z26)
Lh inlet manifold with pressure relief valve and single-acting valve (Z26)



AMI 3	AMI 4	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

P2S

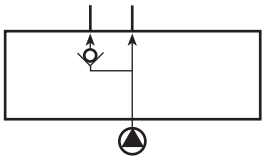
Collettore di entrata sinistra con valvola di max pressione (Z27)
Lh inlet manifold with pressure relief valve (Z27)



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

P3S

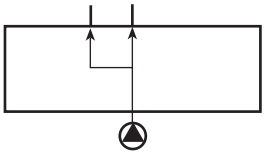
Collettore di entrata sinistra con valvola unidirezionale (Z28) e tappo sostitutivo valvola
Lh inlet manifold with single-acting valve (Z28) and valve replacing plug



AMI 3	AMI 4	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

P4S

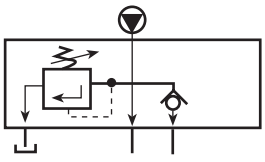
Collettore di entrata sinistra con tappo sostitutivo valvole (Z29)
Lh inlet manifold with valve replacing plug (Z29)



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	**AMI 012**
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

P1D

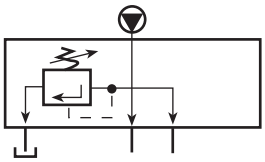
Collettore di entrata destra con valvola di max pressione e valvola unidirezionale (Z26)
Rh inlet manifold with pressure relief valve and single-acting valve (Z26)



AMI 3	AMI 4	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

P2D

Collettore di entrata destra con valvola di max pressione (Z27)
Rh inlet manifold with pressure relief valve (Z27)



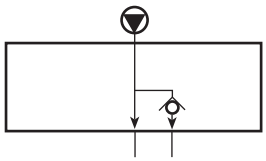
AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

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COLLETTORI DI ENTRATA
INLET MANIFOLDS

P3D

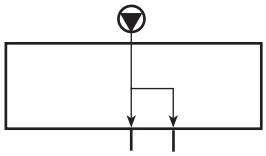
Collettore di entrata destra con valvola unidirezionale (Z28) e tappo sostitutivo valvola
Rh inlet manifold with single-acting valve (Z28) and valve replacing plug



AMI 3	AMI 4	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

P4D

Collettore di entrata destra con tappo sostitutivo valvole (Z29)
Rh inlet manifold with valve replacing plug (Z29)



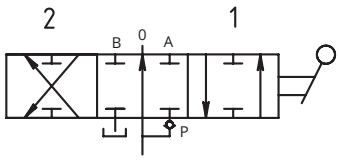
AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

CURSORI
SPOOLS

AMI: **Le sigle dei distributori in grigio non sono disponibili per i rispettivi cursori.**
The codes of the control valves in grey are not available for their respective spools.

AB1

3 Posizioni, doppio effetto
3-Positions double-acting

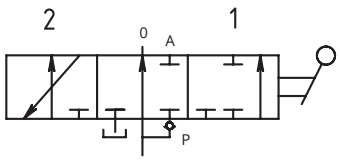


AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

**

AB2

3 Posizioni, semplice effetto servizio in A, B tappato
*3-Positions single-acting service in **A**, **B** capped*

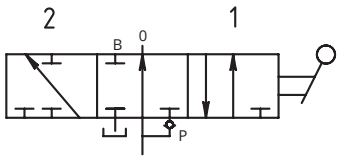


AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

**

AB3

3 Posizioni, semplice effetto servizio in B, A tappato
*3-Positions single-acting service in **B**, **A** capped*

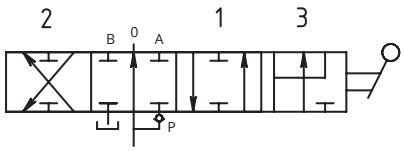


AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

**

AB4

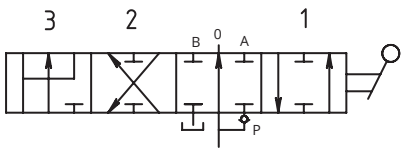
4 Posizioni, doppio effetto con 4^ posizione flottante
4-Positions double-acting with floating 4th position



AMI 3	AMI 4 *	AMI 21R *	AMI 250
AMI 300	AMI 130 *	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB4S

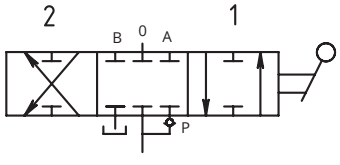
4 Posizioni, doppio effetto con 4^ posizione flottante a spingere
4-Positions double-acting with floating push-in 4th position



AMI 3	AMI 4	AMI 21R *	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB5

3 Posizioni, doppio effetto senza passaggio in 0
*3-Positions double-acting with no passage in **0***



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

**

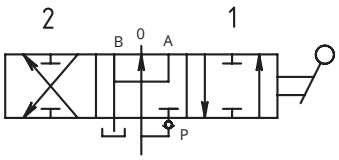
*** N.B.: Il corpo distributore deve essere predisposto** / *Control valve body must be preset*
**** N.B.: È possibile realizzare il cursore sensibile proporzionale (H25) pag.C-7** / *Metered spool (H25 - page C-7) available on request*

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CURSORI
SPOOLS

AB6

3 Posizioni, doppio effetto A e B a scarico
*3-Positions double-acting **A** and **B** to tank*

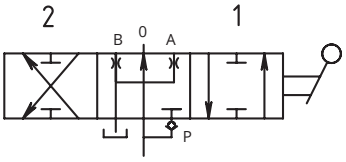


AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

**

AB6P

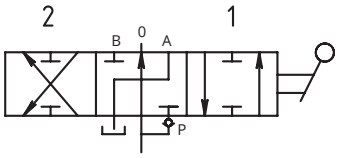
3 Posizioni, doppio effetto A e B a scarico parzializzati
*Metered 3-position, double-acting **A** and **B** to tank*



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB7

3 Posizioni, doppio effetto A a scarico B bloccato
*3-Positions double-acting **A** to tank, lock in **B***

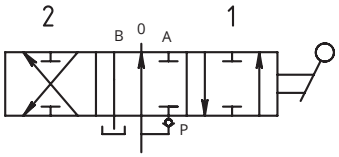


AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

**

AB8

3 Posizioni, doppio effetto A bloccato B a scarico
*3-Positions double-acting **B** to tank, lock in **A***

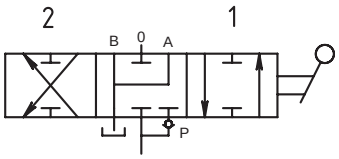


AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

**

AB9

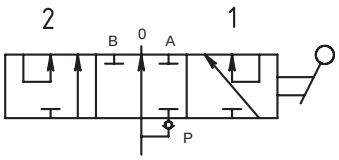
3 Posizioni, doppio effetto senza passaggio in 0 A e B a scarico
*3-Positions double-acting no passage in **0**, **A** and **B** to tank*



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB10

3 Posizioni, doppio effetto serie
3-Positions double- acting series



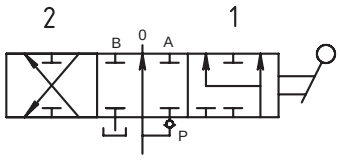
AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300 *	AMI 130	AMI 700 *	AMI 012
AMI 013	AMI 5C *	AMI 42C *	AMI 12C *

*** N.B.: Il corpo distributore deve essere predisposto** / *Control valve body must be preset*
**** N.B.: È possibile realizzare il cursore sensibile proporzionale (H25) pag.C-7** / *Metered spool (H25 - page C-7) available on request*

CURSORI
SPOOLS

AB11

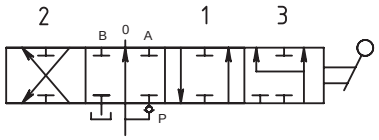
3 Posizioni, doppio effetto rigenerativo
3-Positions regenerative double-acting



AMI 3 *	AMI 4	**AMI 21R ***	**AMI 250 ***
AMI 300 *	**AMI 130 ***	**AMI 700 ***	AMI 012
AMI 013	**AMI 5C ***	**AMI 42C ***	**AMI 12C ***

AB11A

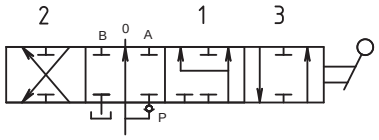
4 Posizioni, doppio effetto rigenerativo in posizione 3
4-Positions regenerative in 3rd position double-acting



AMI 3 *	AMI 4	**AMI 21R ***	**AMI 250 ***
AMI 300 *	**AMI 130 ***	**AMI 700 ***	AMI 012
AMI 013	**AMI 5C ***	**AMI 42C ***	**AMI 12C ***

AB11F

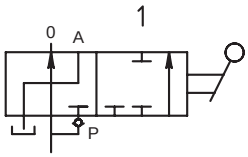
4 Posizioni, doppio effetto rigenerativo in posizione 1
4-Positions regenerative in 1st position double-acting



AMI 3	AMI 4	**AMI 21R**	AMI 250
AMI 300	**AMI 130**	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB13

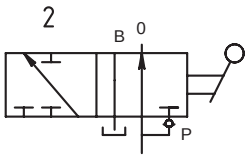
2 Posizioni, semplice effetto servizio in A a scarico
*2-Positions single-acting service in **A** to tank*



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

AB14

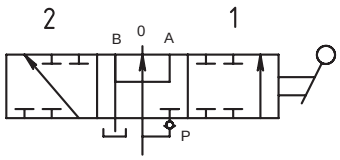
2 Posizioni, semplice effetto servizio in B a scarico
*2-Positions single-acting service in **B** to tank*



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

AB15

3 Posizioni, doppio effetto A e B a scarico, senza scarico incrociato
*3-Positions double-acting **A** and **B** to tank, without cross return*



AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

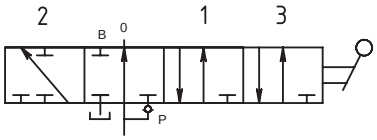
*** N.B.: Il corpo distributore deve essere predisposto /** *Control valve body must be preset*
**** N.B.: È possibile realizzare il cursore sensibile proporzionale (H25) pag.C-7 /** *Metered spool (H25 - page C-7) available on request*

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CURSORI
SPOOLS

AB16

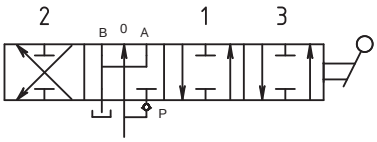
4 Posizioni, semplice effetto servizio in B con 4^ posizione flottante
*4-Positions single-acting service in **B** with 4th floating position*



AMI 3	**AMI 4 ***	**AMI 21R ***	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB17

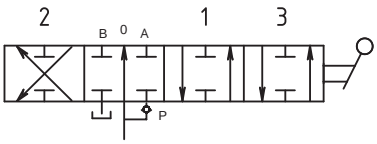
4-posizioni, doppio effetto centro aperto, in 4 ^ posizione "A" in pressione "B" a scarico
*4-positions, double-acting opened center, with 4th position pressure in "**A**" & "**B**" to tank*



AMI 3	AMI 4	**AMI 21R ***	**AMI 250 ***
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB19

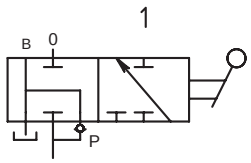
4-posizioni, doppio effetto, in 4 ^ posizione "A" in pressione "B" a scarico
*4-positions, double-acting, with 4th position pressure in "**A**" & "**B**" to tank*



AMI 3	AMI 4	**AMI 21R ***	**AMI 250 ***
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB20

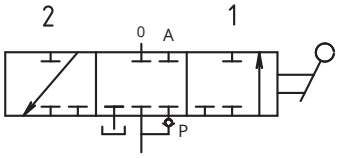
2 Posizioni: posizione 1= P –> B; posizione 0= P e B –> T
*2-Positions: pos.1= **P** –> **B**; pos.0= **P** and **B** –> **T***



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB21

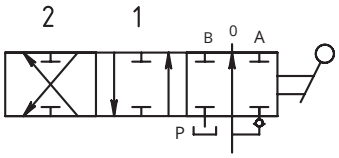
3 posizioni, semplice effetto servizio in A senza passaggio in 0
*3-positions single-acting service in **A**, no passage in **0***



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB22

3 posizioni, doppio effetto con posizioni 1 (A) e 0 invertite
*3-positions double-acting with exchanged positions 1 (**A**) and 0*



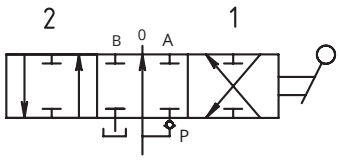
AMI 3	**AMI 4**	**AMI 21R**	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

*** N.B.: Il corpo distributore deve essere predisposto /** *Control valve body must be preset*
**** N.B.: È possibile realizzare il cursore sensibile proporzionale (H25) pag.C-7 /** *Metered spool (H25 - page C-7) available on request*

CURSORI
SPOOLS

AB23

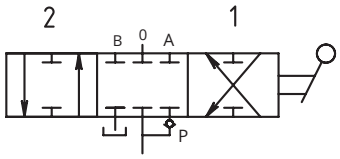
3 posizioni, doppio effetto con posizioni 1 (A) e 2 (B) invertite
*3-positions double-acting with exchanged positions 1 (**A**) and 2 (**B**)*



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB24

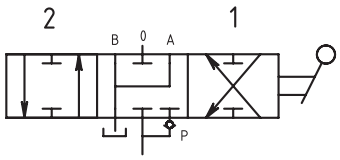
3 posizioni, doppio effetto senza passaggio in 0 con posizioni 1 (A) e 2 (B) invertite
*3-positions double-acting, no passage in 0, with exchanged positions 1 (**A**) and 2 (**B**)*



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB25

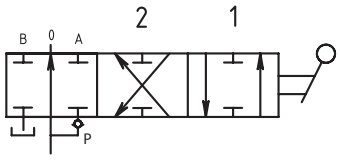
3 posizioni, doppio effetto A e B a scarico con posizioni 1 e 2 invertite
*3-positions double-acting **A** and **B** to tank with exchanged positions 1 and 2*



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB26

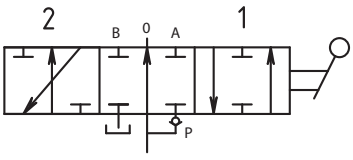
3 posizioni, doppio effetto con posizioni 2 e 0 invertite
3-positions double-acting with exchanged positions 2 and 0



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB27

3 posizioni; pos. 1= P –> A; B –> T; pos. 0= P –> T con A e B bloccati; pos. 2= P e A –> T
3-positions; pos. 1= P –> A; B –> T; pos. 0= P –> T with A and B locked; pos. 2= P and A –> T



AMI 3	**AMI 4**	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

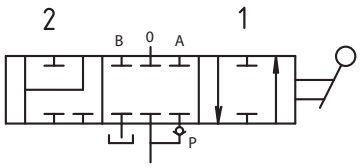
*** N.B.: Il corpo distributore deve essere predisposto /** *Control valve body must be preset*
**** N.B.: È possibile realizzare il cursore sensibile proporzionale (H25) pag.C-7 /** *Metered spool (H25 - page C-7) available on request*

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CURSORI
SPOOLS

AB28

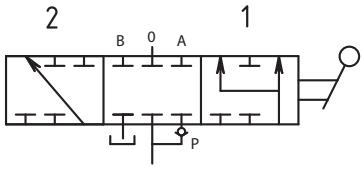
3 posizioni; pos. 1= P –> A; B –> T; pos. 0= P-A-B bloccati; pos. 2= A e B –> T con P bloccata
3-positions; pos. 1= P –> A; B –> T; pos. 0= P-A-B locked; pos. 2= A and B –> T with P locked



AMI 3 solo entrata SX *only LH inlet*	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

AB29

3 posizioni; pos. 1 rigenerativo; pos. 0= P-A-B bloccati; pos. 2= P –> B con A bloccato
3-positions; regenerative pos. 1; pos. 0= P-A-B locked; pos. 2= P –> B with A locked



AMI 3	AMI 4	AMI 21R	**AMI 250 ***
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

*** N.B.: Il corpo distributore deve essere predisposto /** *Control valve body must be preset*
**** N.B.: È possibile realizzare il cursore sensibile proporzionale (H25) pag.C-7 /** *Metered spool (H25 - page C-7) available on request*

OPZIONI CURSORI
SPOOL OPTIONS

H24	**Cursore per ricoprimento positivo accentuato** *Spool with large positive overlap*				
		AMI 3	**AMI 4**	AMI 21R	**AMI 250**
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	AMI 5C	AMI 42C	AMI 12C
H25	**Cursore sensibile proporzionale per portate fino a ** l/min** *Metered spool for flow rates up to ** l/min*				
		AMI 3	AMI 4	**AMI 21R** ** = 30	**AMI 250*** ** = 30
		AMI 300* ** = 50	AMI 130	AMI 700	AMI 012
		AMI 013	**AMI 5C** ** = 30	**AMI 42C** ** = 50	AMI 12C
H25A	**Cursore sensibile proporzionale per portate fino a 18 l/min** *Metered spool for flow rates up to 18 l/min*				
		AMI 3	AMI 4	**AMI 21R**	**AMI 250***
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	AMI 5C	AMI 42C	AMI 12C
H25B	**Cursore sensibile proporzionale per portate fino a 12 l/min** *Metered spool for flow rates up to 12 l/min*				
		AMI 3	AMI 4	**AMI 21R**	**AMI 250***
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	AMI 5C	AMI 42C	AMI 12C
H25E	**Cursore sensibile proporzionale per portate fino a 8 l/min** *Metered spool for flow rates up to 8 l/min*				
		AMI 3	AMI 4	AMI 21R	**AMI 250***
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	AMI 5C	AMI 42C	AMI 12C
H26	**Cursore nichelato** *Nickel-plated spool*				
		AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
		AMI 300	**AMI 130**	**AMI 700**	**AMI 012**
		AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**
H26T	**Cursore temprato e nichelato** *Hardened and nickel-plated spool*				
		AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
		AMI 300	**AMI 130**	**AMI 700**	AMI 012
		AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

*** N.B.: Il corpo distributore deve essere predisposto /** *Control valve body must be preset*

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OPZIONI CURSORI
SPOOL OPTIONS
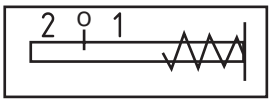
H28	**Cursore cromato** *Chrome-plated spool*				
		AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
		AMI 300	**AMI 130**	**AMI 700**	AMI 012
		AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

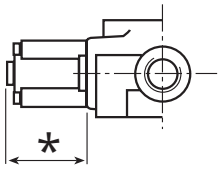
CONTROLLO CURSORE
SPOOL DRIVE

AMI: **Le sigle dei distributori in grigio non sono disponibili per i rispettivi controlli cursore.**
The codes of the control valves in grey are not available for their respective spool controls.

C1

3 Posizioni, ritorno al centro a molla
3-Positions spring return to center

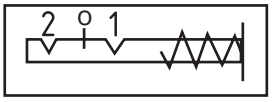


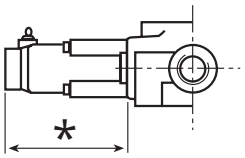


AMI 3 * = 38	**AMI 4** * = 38	**AMI 21R** * = 50	**AMI 250** * = 38
AMI 300 * = 50	**AMI 130** * = 50	**AMI 700** * = 50	**AMI 012** * = 50
AMI 013 * = 50	**AMI 5C** * = 38	**AMI 42C** * = 50	**AMI 12C** * = 50

C2

3 Posizioni, ritorno al centro a molla ritenuta in pos. 1 e 2
*3-Positions spring return to center detent in **1** and **2** pos.*

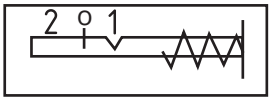


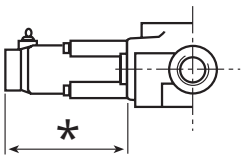


AMI 3 * = 72	**AMI 4** * = 72	**AMI 21R** * = 92	**AMI 250** * = 72
AMI 300 * = 92	**AMI 130** * = 92	**AMI 700** * = 92	AMI 012
AMI 013	**AMI 5C** * = 72	**AMI 42C** * = 92	**AMI 12C** * = 92

C3

3 Posizioni, ritorno al centro a molla ritenuta in pos. 1
*3-Positions spring return to center detent in **1** pos.*



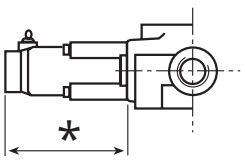


AMI 3 * = 72	**AMI 4** * = 72	**AMI 21R** * = 92	**AMI 250** * = 72
AMI 300 * = 92	**AMI 130** * = 92	**AMI 700** * = 92	AMI 012
AMI 013 * = 92	**AMI 5C** * = 72	**AMI 42C** * = 92	**AMI 12C** * = 92

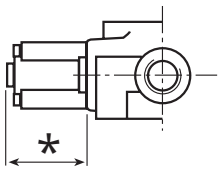
C4

3 Posizioni, ritorno al centro a molla ritenuta in pos. 2
*3-Positions spring return to center detent in **2** pos.*





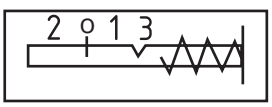
AMI 3 * = 72	**AMI 4** * = 72	AMI 21R	**AMI 250** * = 72
AMI 300	AMI 130	**AMI 700** * = 92	AMI 012
AMI 013	**AMI 5C** * = 72	AMI 42C	AMI 12C

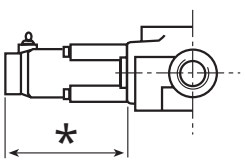


AMI 3	AMI 4	**AMI 21R** * = 50	AMI 250
AMI 300 * = 50	**AMI 130** * = 50	AMI 700	AMI 012
AMI 013 * = 50	AMI 5C	**AMI 42C** * = 50	**AMI 12C** * = 50

C5

4 Posizioni, ritorno al centro a molla ritenuta in 4^ pos. flottante a tirare
4-Positions spring return to centre floating pulling detent in 4th position





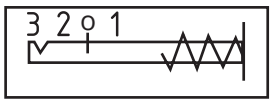
AMI 3	**AMI 4** * = 72	**AMI 21R** * = 92	**AMI 250** * = 72
AMI 300 * = 92	**AMI 130** * = 92	**AMI 700** * = 92	**AMI 012** * = 83
AMI 013 * = 83	**AMI 5C** * = 72	**AMI 42C** * = 92	**AMI 12C** * = 92

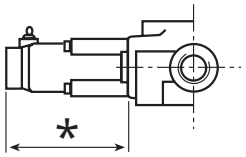
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CONTROLLO CURSORE
SPOOL DRIVE

C5S

4 Posizioni, ritorno al centro a molla ritenuta in 4^ pos. flottante a spingere
4-Positions spring return to centre floating push-in detent in 4th position

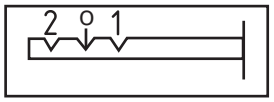


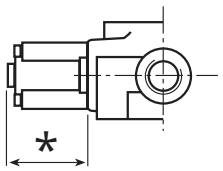


AMI 3	AMI 4	**AMI 21R** * = 92	**AMI 250** * = 72
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

C6

Ritenuta nelle 3 posizioni
Detent in the 3 positions

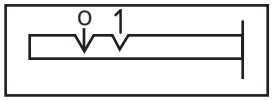


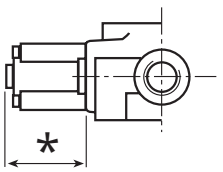


AMI 3 * = 38	**AMI 4** * = 38	**AMI 21R** * = 50	**AMI 250** * = 38
AMI 300 * = 50	**AMI 130** * = 50	**AMI 700** * = 50	AMI 012
AMI 013 * = 50	**AMI 5C** * = 38	**AMI 42C** * = 50	**AMI 12C** * = 50

C7

Ritenuta nelle 2 posizioni in pos. 1 e 0
*Detent in the 2 positions in **1** and **0** pos.*



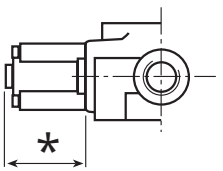


AMI 3 * = 38	**AMI 4** * = 38	**AMI 21R** * = 50	**AMI 250** * = 38
AMI 300 * = 50	**AMI 130** * = 50	**AMI 700** * = 50	AMI 012
AMI 013 * = 50	**AMI 5C** * = 38	**AMI 42C** * = 50	**AMI 12C** * = 50

C8

Ritenuta nelle 2 posizioni in pos. 2 e 0
*Detent in the 2 positions in **2** and **0** pos.*



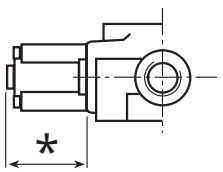


AMI 3 * = 38	**AMI 4** * = 38	**AMI 21R** * = 50	**AMI 250** * = 38
AMI 300 * = 50	**AMI 130** * = 50	**AMI 700** * = 50	AMI 012
AMI 013 * = 50	**AMI 5C** * = 38	**AMI 42C** * = 50	**AMI 12C** * = 50

C9

Ritorno a molla in posizione 2
*Spring return to position **2***



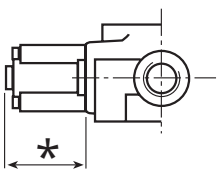


AMI 3 * = 38	**AMI 4** * = 38	**AMI 21R** * = 50	**AMI 250** * = 38
AMI 300 * = 50	**AMI 130** * = 50	**AMI 700** * = 50	AMI 012
AMI 013 * = 50	**AMI 5C** * = 38	**AMI 42C** * = 50	**AMI 12C** * = 50

C10

Ritorno a molla in posizione 1
*Spring return to position **1***





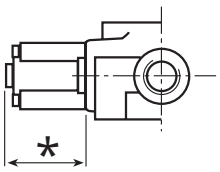
AMI 3 * = 38	**AMI 4** * = 38	**AMI 21R** * = 50	**AMI 250** * = 38
AMI 300 * = 50	**AMI 130** * = 50	**AMI 700** * = 50	AMI 012
AMI 013 * = 50	**AMI 5C** * = 38	**AMI 42C** * = 50	**AMI 12C** * = 50

CONTROLLO CURSORE
SPOOL DRIVE

C10A

Posizione 0, ritorno a molla in posizione 1
*Position **0**, spring return to position **1***

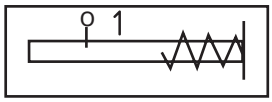


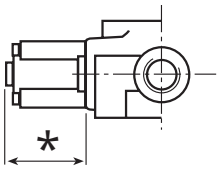


AMI 3 *=38	**AMI 4** *=38	**AMI 21R** *=50	**AMI 250** *=38
AMI 300 *=50	**AMI 130** *=50	**AMI 700** *=50	AMI 012
AMI 013 *=50	**AMI 5C** *=38	**AMI 42C** *=50	**AMI 12C** *=50

C11

Posizione 1, ritorno a molla in posizione 0
*Position **1**, spring return to position **0***

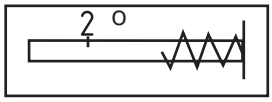


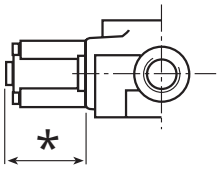


AMI 3 *=38	**AMI 4** *=38	**AMI 21R** *=50	**AMI 250** *=38
AMI 300 *=50	**AMI 130** *=50	**AMI 700** *=50	AMI 012
AMI 013 *=50	**AMI 5C** *=38	**AMI 42C** *=50	**AMI 12C** *=50

C11SPD

Posizione 0, ritorno a molla in posizione 2
*Position **0**, spring return to position **2***



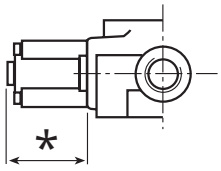


AMI 3 *=38	**AMI 4** *=38	**AMI 21R** *=50	**AMI 250** *=38
AMI 300 *=50	**AMI 130** *=50	**AMI 700** *=50	AMI 012
AMI 013 *=50	**AMI 5C** *=38	**AMI 42C** *=50	**AMI 12C** *=50

C12

Posizione 2, ritorno a molla in posizione 0
*Position **2**, spring return to position **0***

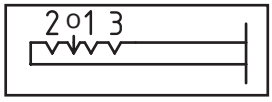


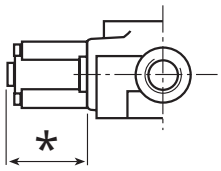


AMI 3 *=38	**AMI 4** *=38	**AMI 21R** *=50	**AMI 250** *=38
AMI 300 *=50	**AMI 130** *=50	**AMI 700** *=50	AMI 012
AMI 013 *=50	**AMI 5C** *=38	**AMI 42C** *=50	**AMI 12C** *=50

C13

Ritenuta nelle 4 posizioni
Detent in the 4 positions

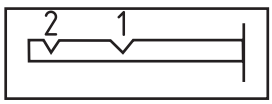


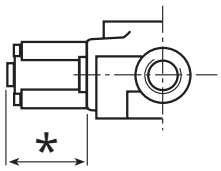


AMI 3	**AMI 4** *=38	**AMI 21R** *=50	**AMI 250** *=38
AMI 300 *=50	**AMI 130** *=50	**AMI 700** *=50	AMI 012
AMI 013 *=50	**AMI 5C** *=38	**AMI 42C** *=50	**AMI 12C** *=50

C14

2 Posizioni, ritenuta in 1 e 2
*2-Positions detent in **1** and **2***





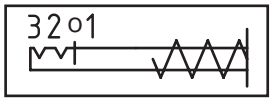
AMI 3 *=38	**AMI 4** *=38	**AMI 21R** *=50	**AMI 250** *=38
AMI 300 *=50	**AMI 130** *=50	**AMI 700** *=50	AMI 012
AMI 013 *=50	**AMI 5C** *=38	**AMI 42C** *=50	**AMI 12C** *=50

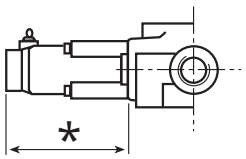
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CONTROLLO CURSORE
SPOOL DRIVE

C15

4 Posizioni, ritorno al centro a molla da 1 in O, ritenuta in 2 e in 4^ pos. flottante
*4- Positions, spring return to center from **1** in **O**, detent in **2** and in 4th floating position*



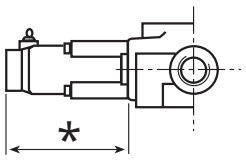


AMI 3	**AMI 4** * = 72	**AMI 21R** * = 92	**AMI 250** * = 72
AMI 300 * = 92	**AMI 130** * = 92	**AMI 700** * = 92	AMI 012
AMI 013	**AMI 5C** * = 72	**AMI 42C** * = 92	**AMI 12C** * = 92

C15S

4 Posizioni, ritorno al centro a molla da 2 in O, ritenuta in 1 e in 4^ pos. flottante
*4- Positions, spring return to center from **2** in **O**, detent in **1** and in 4th floating position*

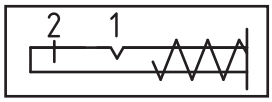


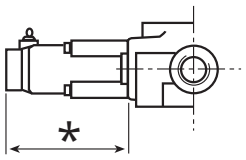


AMI 3	**AMI 4** * = 72	AMI 21R	**AMI 250** * = 72
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C** * = 72	AMI 42C	AMI 12C

C17

2 Posizioni, ritenuta in pos. 1, ritorno a molla in posizione 2
*2- Positions detent in **1**, spring return to position **2***





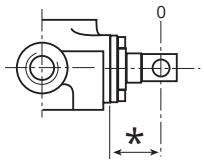
AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300 * = 92	**AMI 130** * = 92	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

ACCESSORI - OPZIONI LATO LEVA
ACCESSORIES - OPTIONS ON LEVER SIDE

AMI: **Le sigle dei distributori in grigio non sono disponibili per i rispettivi accessori.**
The codes of the control valves in grey are not available for their respective accessories.

H3

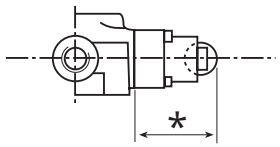
Flangia raschiapolvere sul cursore (quota riferita al cursore in posizione neutra = 0)
Dust scraping flange on spool (Height referenced to the spool in the neutral position = 0)



AMI 3 * = 28	**AMI 4** * = 28	**AMI 21R** * = 34	**AMI 250** * = 28
AMI 300 * = 34	**AMI 130** * = 34	**AMI 700** * = 54	AMI 012
AMI 013	**AMI 5C** * = 28	**AMI 42C** * = 54	**AMI 12C** * = 54

H6

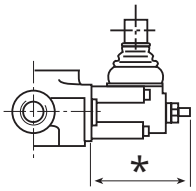
Dispositivo per azionamento a camme del cursore
Device for spool cam driving



AMI 3 * = 52	**AMI 4** * = 52	**AMI 21R** * = 62	**AMI 250** * = 52
AMI 300 * =62	**AMI 130** * = 62	**AMI 700** * = 62	AMI 012
AMI 013	**AMI 5C** * = 52	**AMI 42C** * = 62	**AMI 12C** * = 62

H8

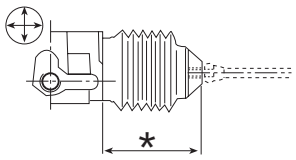
Dispositivo con limitatore di corsa nel gruppo leva
Device with stroke limiter in the lever unit



AMI 3 * = 66	**AMI 4** * = 66	**AMI 21R** * = 80	**AMI 250** * = 66
AMI 300 * = 80	**AMI 130** * = 80	**AMI 700** * = 100	AMI 012
AMI 013	**AMI 5C** * = 66	**AMI 42C** * = 100	**AMI 12C** * = 100

H16

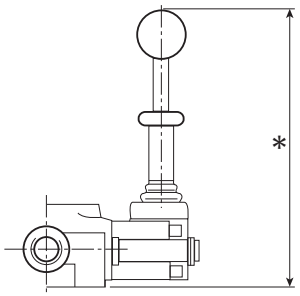
Gruppo leva di azionamento a cloche con movimentazione a + (senza asta)
Joystick driving lever unit with + shifting (without rod)



AMI 3	**AMI 4** * = 85	AMI 21R	**AMI 250** * = 85
AMI 300 * = 102	**AMI 130** * = 102	**AMI 700** * = 122	AMI 012
AMI 013 * = 102	**AMI 5C** * = 85	**AMI 42C** * = 122	AMI 12C

H19

Gruppo leva di azionamento a norme EMPI con sblocco a siringa
Driving lever unit according to EMPI standards with syringe-operated release



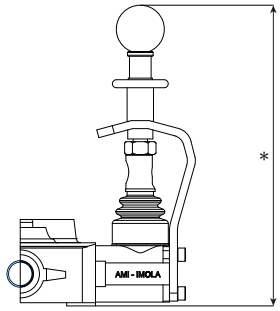
AMI 3	AMI 4	**AMI 21R** * = 200	AMI 250
AMI 300 * = 200	**AMI 130** * = 200	**AMI 700** * = 200	AMI 012
AMI 013	AMI 5C	**AMI 42C** * = 200	**AMI 12C** * = 200

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ACCESSORI - OPZIONI LATO LEVA
ACCESSORIES - OPTIONS ON LEVER SIDE

H19B

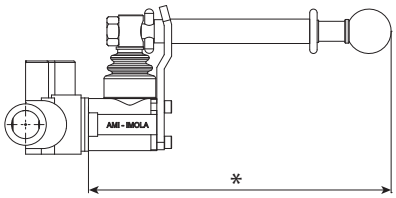
Gruppo leva di azionamento a norme EMPI con sblocco a siringa
Driving lever unit according to EMPI standards with syringe-operated release



AMI 3 * = 180/200	**AMI 4** * = 180/200	AMI 21R	**AMI 250** * = 180/200
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C** * = 180/200	AMI 42C	AMI 12C

H19A

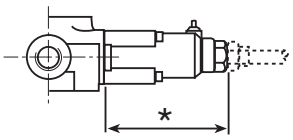
Gruppo leva di azionamento a norme EMPI con sblocco a siringa
Driving lever unit according to EMPI standards with syringe-operated release



AMI 3 * = 204,5	**AMI 4** * = 204,5	AMI 21R	**AMI 250** * = 204,5
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C** * = 204,5	AMI 42C	AMI 12C

H35

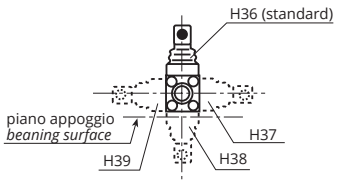
Dispositivo con predisposizione telecomando in sostituzione al gruppo leva
Device with remote control presetting to replace lever unit



AMI 3 * = 84	**AMI 4** * = 84	**AMI 21R** * = 102	**AMI 250** * = 84
AMI 300 * = 102	**AMI 130** * = 102	**AMI 700** * = 122	**AMI 012** * = 78
AMI 013 * = 78	**AMI 5C** * = 84	**AMI 42C** * = 122	**AMI 12C** * = 122

H36

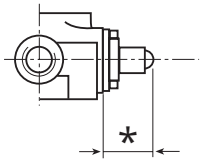
Orientamento del gruppo leva
Orientation of lever unit



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

H51

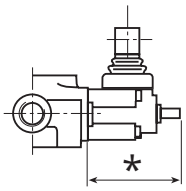
Cursore con terminale sferico
Spool with ball terminal



AMI 3 * = 35	**AMI 4** * = 35	**AMI 21R** * = 45	**AMI 250** * = 35
AMI 300 * = 45	**AMI 130** * = 45	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

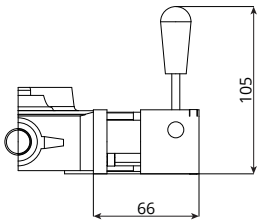
ACCESSORI - OPZIONI LATO LEVA
ACCESSORIES - OPTIONS ON LEVER SIDE

H61
Dispositivo con spintore meccanico per azionamento cursore (senza asta leva)
Device with mechanical pusher for spool driving (without lever rod)



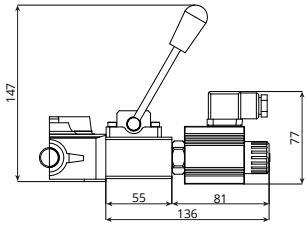
AMI 3 *=72	**AMI 4** *=72	**AMI 21R** *=81	**AMI 250** *=72
AMI 300 *=81	**AMI 130** *=81	**AMI 700** *=101	AMI 012
AMI 013	**AMI 5C** *=72	**AMI 42C** *=101	**AMI 12C** *=101

R1
Kit gruppo leva di emergenza per versione H73R1/H74R1
Emergency release lever kit for H73R1/H74R1 version



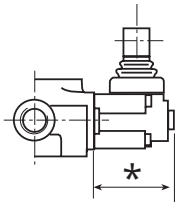
AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

R2
Kit gruppo leva di emergenza per versione H88/H89
Emergency release lever kit for H88/H89 version



AMI 3	AMI 4	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

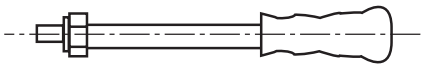
R3
Gruppo leva azionamento cursore (senza asta leva)
Lever spool driving unit (without lever rod)



AMI 3 *=50	**AMI 4** *=50	**AMI 21R** *=64	**AMI 250** *=50
AMI 300 *=64	**AMI 130** *=64	**AMI 700** *=84	AMI 012
AMI 013	**AMI 5C** *=50	**AMI 42C** *=84	**AMI 12C** *=84

R4
Gruppo asta leva con impugnatura anatomica (standard)
Lever rod unit with anatomic handle (standard)

Peso asta leva
Lever rod weight
L.150 = 108 g
L.200 = 132 g
L.250 = 154 g
L.300 = 178 g
L.400 = 225 g
L.500 = 273 g



Gruppo asta leva M 10 (standard) fornibile nelle lunghezze:
Lever rod unit M 10 (standard), delivered in the following lengths:
150-200-250-300-400-500

AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

R4/R
Gruppo asta leva con impugnatura anatomica rossa
Lever rod unit with red anatomic handle

AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

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ACCESSORI - OPZIONI LATO LEVA
ACCESSORIES - OPTIONS ON LEVER SIDE

R4/G

Gruppo asta leva con impugnatura anatomica gialla
Lever rod unit with yellow anatomic handle

AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

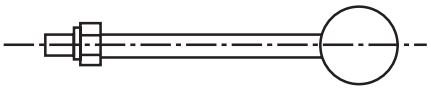
R4/V

Gruppo asta leva con impugnatura anatomica verde
Lever rod unit with green anatomic handle

AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

R6

Gruppo asta leva con impugnatura sferica
Lever rod unit with ball handle



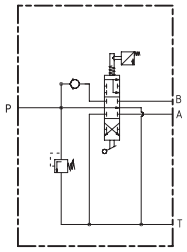
Gruppo asta leva M 10 fornibile nelle lunghezze:
Lever rod unit M 10 delivered in the following lengths:
150-200-250-300-400-500

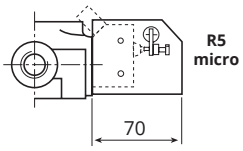
AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

ACCESSORI - OPZIONI LATO POSIZIONATORE
ACCESSORIES - OPTIONS ON SPOOL DRIVE SIDE

H1

Dispositivo azionamento MICRO-SWITCH (senza MICRO-SWITCH) adattabile a micro R5
MICRO-SWITCH driving device (without MICRO-SWITCH) can be adjusted to micro R5

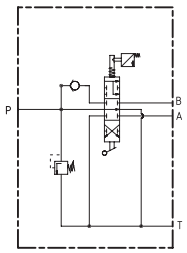


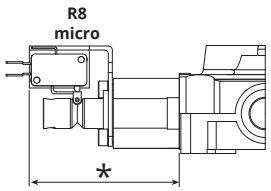


AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

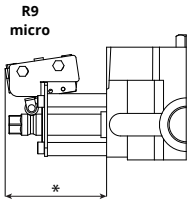
H01F

Dispositivo azionamento MICRO-SWITCH (senza MICRO-SWITCH) adattabile a micro R8
MICRO-SWITCH driving device (without MICRO-SWITCH) can be adjusted to micro R8





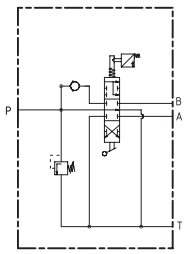
AMI 3 * = 65	**AMI 4** * = 65	AMI 21R	**AMI 250** * = 65
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C** * = 65	AMI 42C	AMI 12C

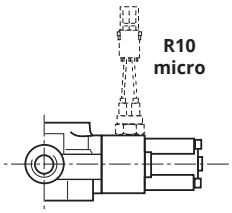


AMI 3	AMI 4	**AMI 21R** * = 74	AMI 250
AMI 300 * = 74	**AMI 130** * = 74	**AMI 700** * = 74	AMI 012
AMI 013	AMI 5C	**AMI 42C** * = 74	**AMI 12C** * = 74

H2

Dispositivo azionamento MICRO A SFERA (senza Micro a sfera) adattabile a micro R10
BALL MICRO-SWITCH (without Ball Micro-Switch) driving device can be adjusted to micro R10

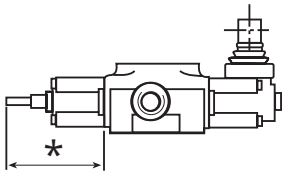




AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	**AMI 012**
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

H5

Dispositivo per doppio azionamento del cursore: gruppo leva più terminale filettato M8 lato controllo
Device for spool double driving: lever unit + M8 threaded terminal on drive side



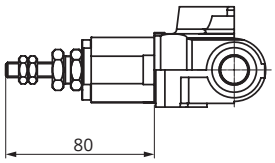
AMI 3 * = 68	**AMI 4** * = 68	**AMI 21R** * = 85	**AMI 250** * = 68
AMI 300 * = 85	**AMI 130** * = 85	**AMI 700** * = 85	**AMI 012** * = 85
AMI 013 * = 85	**AMI 5C** * = 68	**AMI 42C** * = 85	**AMI 12C** * = 85

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ACCESSORI - OPZIONI LATO POSIZIONATORE
ACCESSORIES - OPTIONS ON SPOOL DRIVE SIDE

H7

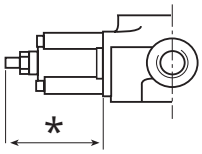
Dispositivo con doppio limitatore di corsa lato controllo
Device with twin stroke limiter on control side



AMI 3	**AMI 4**	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

H9

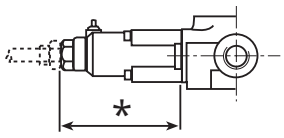
Dispositivo con limitatore di corsa nel gruppo controllo
Device with stroke limiter in the drive unit



AMI 3 * = 54	**AMI 4** * = 54	**AMI 21R** * = 66	**AMI 250** * = 54
AMI 300 * = 66	**AMI 130** * = 66	**AMI 700** * = 66	AMI 012
AMI 013 * = 66	**AMI 5C** * = 54	**AMI 42C** * = 66	**AMI 12C** * = 66

H34

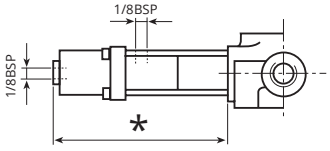
Dispositivo con predisposizione telecomando lato controllo (controllo C1)
Device with remote control presetting on drive side (drive C1)



AMI 3 * = 84	**AMI 4** * = 84	**AMI 21R** * = 102	**AMI 250** * = 84
AMI 300 * = 102	**AMI 130** * = 102	**AMI 700** * = 102	AMI 012
AMI 013	**AMI 5C** * = 84	**AMI 42C** * = 102	**AMI 12C** * = 102

H52

Dispositivo per azionamento pneumatico del cursore: gruppo leva e solo controllo cursore
Device for spool pneumatic driving: lever unit and spool drive only

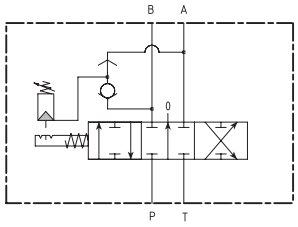


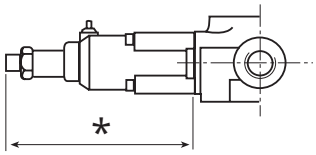
pneumatico 1/8" BSP
pneumatic 1/8" BSP

AMI 3 * = 120	**AMI 4** * = 120	**AMI 21R** * = 143	**AMI 250** * = 120
AMI 300 * = 143	**AMI 130** * = 143	**AMI 700** * = 143	AMI 012
AMI 013	**AMI 5C** * = 120	**AMI 42C** * = 143	**AMI 12C** * = 143

H56

Dispositivo con sgancio automatico del cursore a fine corsa del martinetto
Device with spool automatic release at cylinder end of stroke

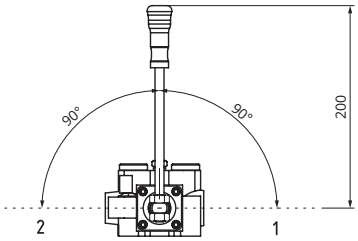


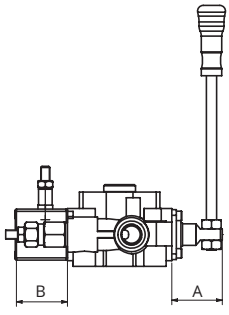


AMI 3 * = 95	**AMI 4** * = 95	**AMI 21R** * = 132	**AMI 250** * = 95
AMI 300 * = 132	**AMI 130** * = 132	**AMI 700** * = 132	AMI 012
AMI 013	AMI 5C	**AMI 42C** * = 132	**AMI 12C** * = 132

H57

Dispositivo per azionamento rotativo del cursore completo di asta leva R4 = 200
Device for spool rotary driving complete with lever rod R4 = 200

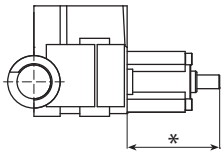




AMI 3 A = 36 B = 67	**AMI 4** A = 36 B = 67	**AMI 21R** A = 44 B = 46	**AMI 250** A = 36 B = 67
AMI 300 A = 44 B = 46	**AMI 130** A = 44 B = 46	**AMI 700** A = 65 B = 46	AMI 012
AMI 013	**AMI 5C** A = 36 B = 67	**AMI 42C** A = 65 B = 46	**AMI 12C** A = 65 B = 46

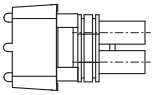
ACCESSORI - OPZIONI LATO POSIZIONATORE
ACCESSORIES - OPTIONS ON SPOOL DRIVE SIDE

H61A
Dispositivo con spintore meccanico per azionamento cursore (lato controllo)
Device with mechanical pusher for spool driving (on spool drive side)

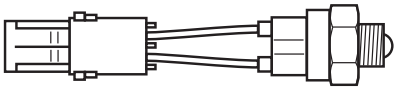


AMI 3 * = 55	**AMI 4** * = 55	**AMI 21R** * = 67	**AMI 250** * = 55
AMI 300 * = 67	**AMI 130** * = 67	**AMI 700** * = 67	AMI 012
AMI 013	**AMI 5C** * = 55	**AMI 42C** * = 67	**AMI 12C** * = 67

R10
Micro a sfera
Ball micro-switch



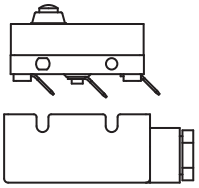
Connettore femmina fornibile solo su richiesta
Female connector, available only on request



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	**AMI 012**
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

*** N.B. Microinterruttore protetto contro gli agenti atmosferici (Weather Sealed). Connettore a due poli dotato di guarnizioni di tenuta.**
Micro switch with weather-sealed protection. Two-pin connector with sealing gaskets

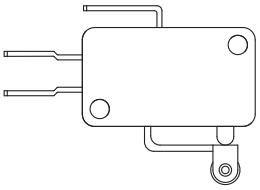
R5
Micro-switch
Micro-switch



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

*

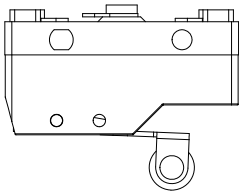
R8
Micro-switch
Micro-switch



AMI 3	**AMI 4**	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

*

R9
Micro-switch
Micro-switch



AMI 3	AMI 4	**AMI 21R**	AMI 250
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	AMI 5C	**AMI 42C**	**AMI 12C**

*

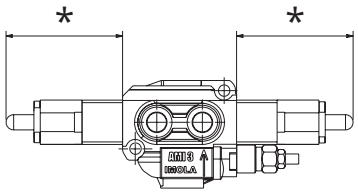
***ATTENZIONE: Microinterruttore non sigillato. Proteggere da acqua, pioggia e umidità. Non utilizzare in ambienti esposti agli agenti atmosferici senza un'adeguata protezione.** / *WARNING: Non-sealed microswitch. Protect from water, rain and excessive moisture. Do not use in outdoor environments or in areas exposed to atmospheric agents without suitable protection.*

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ACCESSORI - OPZIONI LATO LEVE E LATO POSIZIONATORE
ACCESSORIES - OPTIONS ON LEVER SIDE AND SPOOL DRIVE SIDE

H20

Dispositivo per inversione automatica del cursore solo con controllo C14
Automatic spool reversing device with C14 control only



AMI 3 * = 92	**AMI 4** * = 92	**AMI 21R** * = 113	**AMI 250** * = 92
AMI 300 * = 113	**AMI 130** * = 113	**AMI 700** * = 113	AMI 012
AMI 013	**AMI 5C** * = 92	**AMI 42C** * = 113	**AMI 12C** * = 113

H49 - H50

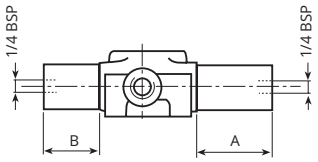
Dispositivo di trasformazione da doppio a semplice effetto su utilizzo A - B
Conversion device from double- to single-acting on user A - B

N.B.: Il corpo distributore deve essere predisposto.
N.B.: The control valve body must be preset.

AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

H53

Dispositivo per azionamento idraulico del cursore
Device for spool hydraulic driving



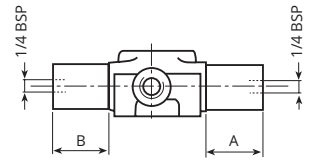
Bocche pilotaggio idraulico 1/4" BSP
Piloting outlets hydraulic 1/4" BSP

AMI 3* A = 79 B = 79	**AMI 4*** A = 79 B = 79	**AMI 21R** A = 72 B = 53	**AMI 250*** A = 79 B = 79
AMI 300 A = 72 B = 53	**AMI 130** A = 72 B = 53	**AMI 700** A = 92 B = 53	AMI 012
AMI 013	**AMI 5C** A = 79 B = 79	**AMI 42C** A = 92 B = 53	**AMI 12C** A = 92 B = 53

*** N.B.: Il corpo distributore deve essere predisposto.** / *N.B.: The control valve body must be preset.*

H53S

Dispositivo per azionamento idraulico del cursore (si consiglia l'abbinamento con il cursore sensibile proporzionale tipo H25, la portata si riduce)
Device for spool hydraulic driving (connection with the metered spool type H25 is recommended, the flow is reduced)



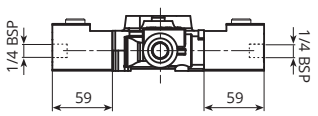
Bocche pilotaggio idraulico 1/4" BSP
Piloting outlets hydraulic 1/4" BSP

AMI 3	AMI 4	**AMI 21R** A = 53 B = 53	AMI 250
AMI 300* A = 53 B = 53	**AMI 130** A = 53 B = 53	**AMI 700** A = 53 B = 53	AMI 012
AMI 013	AMI 5C	**AMI 42C** A = 53 B = 53	**AMI 12C** A = 53 B = 53

*** N.B.: Il corpo distributore deve essere predisposto.** / *N.B.: The control valve body must be preset.*

H53SM

Dispositivo per azionamento idraulico del cursore (si consiglia l'abbinamento con il cursore sensibile proporzionale tipo H25, la portata si riduce)
Device for spool hydraulic driving (connection with the metered spool type H25 is recommended, the flow is reduced)



Bocche pilotaggio idraulico 1/4" BSP
Piloting outlets hydraulic 1/4" BSP

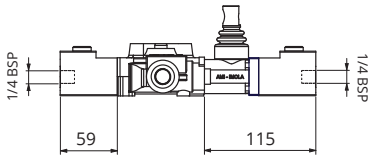
AMI 3*	**AMI 4***	AMI 21R	**AMI 250***
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

*** N.B.: Il corpo distributore deve essere predisposto.** / *N.B.: The control valve body must be preset.*

ACCESSORI - OPZIONI LATO LEVE E LATO POSIZIONATORE
ACCESSORIES - OPTIONS ON LEVER SIDE AND SPOOL DRIVE SIDE

H53SC

Dispositivo per azionamento idraulico e manuale del cursore (si consiglia l'abbinamento con il cursore sensibile proporzionale tipo H25B, la portata si riduce)
Device for spool hydraulic and manual driving (connection with the metered spool type H25B is recommended, the flow is reduced)



Bocche pilotaggio idraulico 1/4" BSP
1/4" BSP hydraulic pilot ports

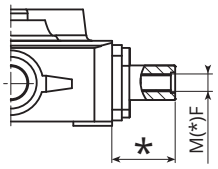
AMI 3*	**AMI 4***	AMI 21R	**AMI 250***
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

*** N.B.: Il corpo distributore deve essere predisposto.** / *N.B.: The control valve body must be preset.*

H83

Terminale cursore filettato (M6F, M8F, M10F)
Threaded spool terminal (M6F, M8F, M10F)

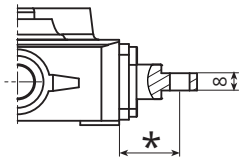
M*F:
M6F = filettatura M6 femmina/*M6 female thread*
M8F = filettatura M8 femmina/*M8 female thread*
M10F = filettatura M10 femmina/*M10 female thread*



AMI 3 * = 19	**AMI 4** * = 19	**AMI 21R** * = 21	**AMI 250** * = 19
AMI 300 * = 21	**AMI 130** * = 21	**AMI 700** * = 40	AMI 012
AMI 013	**AMI 5C** * = 19	**AMI 42C** * = 40	**AMI 12C** * = 40

H84

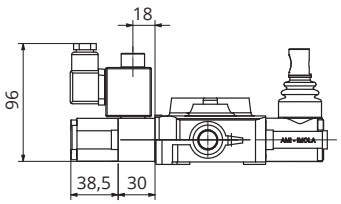
Terminale cursore predisposto per forcella 8 mm
Spool terminal fitted 8 mm fork



AMI 3 * = 28	AMI 4	AMI 21R	**AMI 250** * = 28
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

H90 - H91

Kit elettrico per blocco di sicurezza cursore (H90 12Vcc - H91 24Vcc)
Spool safety electric lock kit (H90 12Vdc - H91 24Vdc)

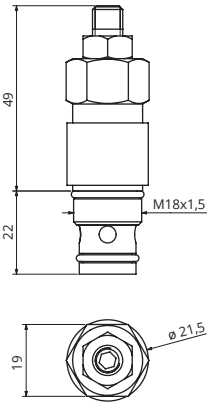


AMI 3	**AMI 4**	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

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Z6 - Z7

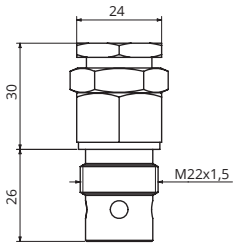
Valvola di massima pressione e antiurto su utilizzo A (Z6) o su utilizzo B (Z7)
Pressure relief and antishock valve on user A (Z6) or user B (Z7)



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

Z6 - Z7

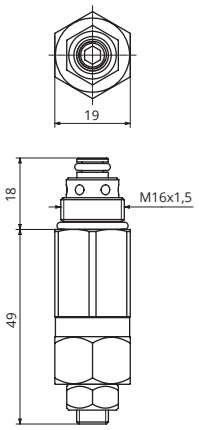
Valvola di massima pressione e antiurto su utilizzo A (Z6) o su utilizzo B (Z7)
Pressure relief and antishock valve on user A (Z6) or user B (Z7)



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	**AMI 700**	AMI 012
AMI 013	AMI 5C	**AMI 42C**	**AMI 12C**

Z6 - Z7

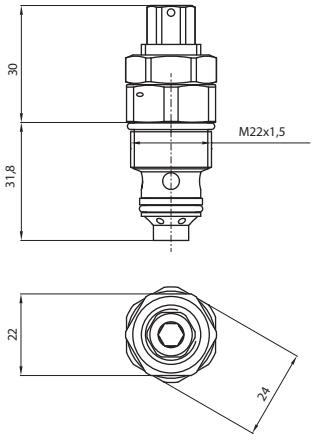
Valvola di massima pressione e antiurto su utilizzo A (Z6) o su utilizzo B (Z7)
Pressure relief and antishock valve on user A (Z6) or user B (Z7)



AMI 3	AMI 4	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

Z6 - Z7

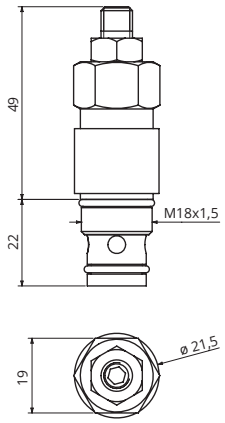
Valvola di massima pressione e antiurto su utilizzo A (Z6) o su utilizzo B (Z7)
Pressure relief and antishock valve on user A (Z6) or user B (Z7)



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	**AMI 012**
AMI 013	AMI 5C	AMI 42C	AMI 12C

Z48 - Z49

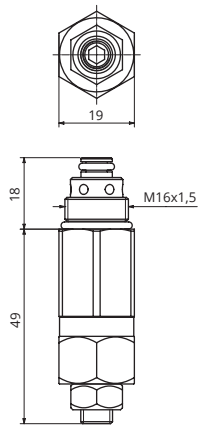
Valvola di massima pressione e antiurto su utilizzo A (Z48) o su utilizzo B (Z49)
Pressure relief and antishock valve on user A (Z48) or user B (Z49)



AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	**AMI 130**	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

Z50

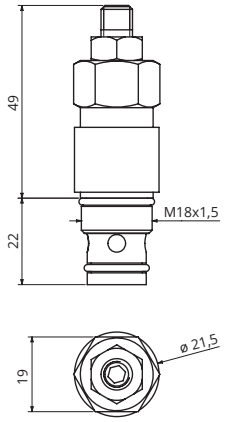
Valvola di MAX PRESSIONE su utilizzo A + B
PRESSURE RELIEF valve on user A + B



AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

Z50

Valvola di MAX PRESSIONE su utilizzo A + B
PRESSURE RELIEF valve on user A + B

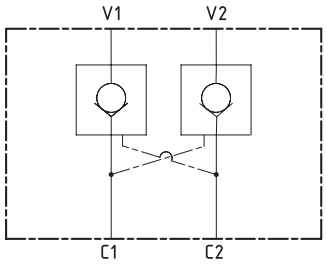


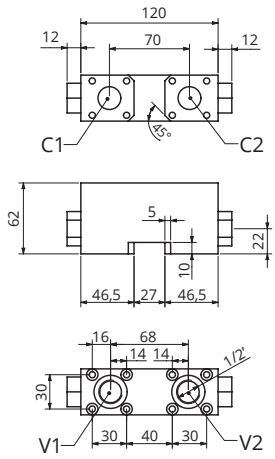
AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	**AMI 130**	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

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ACCESSORI - VALVOLE SECONDARIE
ACCESSORIES - SECONDARY VALVES

Z16
Valvola di blocco pilotata sui due utilizzi (flangiata)
Piloted lock valve on both the users (flange-mounted)





AMI 3	AMI 4	AMI 21R	**AMI 250***
AMI 300*	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C
DB3C	**DB3**		

*** N.B.: Il corpo distributore deve essere predisposto.** / *N.B.: The control valve body must be preset.*

Z12
Valvola di anti-cavitazione generale
Main anti-cavitation valve

AMI 3	AMI 4	AMI 21R	**AMI 250** (solo/only AMI 256)
AMI 300 (solo/only AMI305/306)	AMI 130	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

Z8
Valvola anti-cavitazione su utilizzo A
Anti-cavitation valve on user A

AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	**AMI 700**	AMI 012
AMI 013	AMI 5C	**AMI 42C**	**AMI 12C**

Z9
Valvola anti-cavitazione su utilizzo B
Anti-cavitation valve on user B

AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	**AMI 700**	AMI 012
AMI 013	AMI 5C	**AMI 42C**	**AMI 12C**

Z15
Valvola di blocco pilotata su utilizzo A (flangiata)
Piloted lock valve on user A (flange-mounted)

AMI 3	AMI 4	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	AMI 12C

ACCESSORI - VALVOLE SECONDARIE
ACCESSORIES - SECONDARY VALVES

Z24	**Valvola di blocco pilotata su utilizzo B (flangiata)** *Piloted lock valve on user B (flange-mounted)*				
		AMI 3	AMI 4	**AMI 21R**	**AMI 250**
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	**AMI 5C**	**AMI 42C**	AMI 12C
Z13	**Valvola di max pressione su utilizzo A - B con scarico incrociato** *Pressure relief valve on A - B users with cross return*				
		AMI 3	AMI 4	**AMI 21R**	**AMI 250**
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	**AMI 5C**	AMI 42C	AMI 12C
		DB3C	**DB3**		
Z30	**Valvola di bilanciamento doppia** *Double balancing valve*				
		AMI 3	AMI 4	AMI 21R	AMI 250
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	AMI 5C	AMI 42C	AMI 12C
		DB3C	**DB3**		
Z31	**Valvola di bilanciamento singola (utilizzo "B")** *Single balancing valve (port "B")*				
		AMI 3	AMI 4	AMI 21R	AMI 250
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	AMI 5C	AMI 42C	AMI 12C
		DB3C	**DB3**		

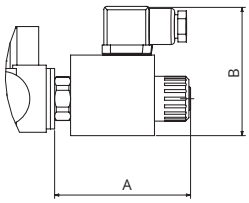
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ACCESSORI - PREDISPOSIZIONI
ACCESSORIES - PRE-SETTINGS

H27	**Entrata (P) scarico (T) parte inferiore a pannello** *Pressure line (P) return line (T) on body bottom fit on panel*				
		AMI 3	AMI 4	**AMI 21R**	**AMI 250**
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	AMI 5C	AMI 42C	AMI 12C
H32	**Utilizzi (A-B) parte inferiore a pannello** *Users (A-B) on body bottom fit on panel*				
		AMI 3	AMI 4	**AMI 21R**	AMI 250
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	AMI 5C	AMI 42C	AMI 12C
H12	**Predisposizione per montaggio valvole ausiliarie esterne** *Presetting for assembly of external auxiliary valves*				
		AMI 3	AMI 4	**AMI 21R**	**AMI 250**
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	**AMI 5C**	**AMI 42C**	AMI 12C
H21	**Predisposizione tappata sulla sezione per montaggio valvola limitatrice di pressione (Z50)** *Plugged presetting on the section for assembly of pressure relief valve (Z50)*				
		AMI 3	AMI 4	AMI 21R	**AMI 250**
		AMI 300	AMI 130	AMI 700	AMI 012
		AMI 013	AMI 5C	AMI 42C	AMI 12C
H22	**Predisposizione tappata per montaggio valvole ausiliarie incorporate (Z6-Z7)** *Plugged presetting for assembly of built-in auxiliary valves (Z6-Z7)*				
		AMI 3	AMI 4	AMI 21R	**AMI 250**
		AMI 300	AMI 130	**AMI 700**	AMI 012
		AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

H70

Dispositivo per azionamento elettrico (diretto) a 12Vcc completo di connettori
12Vdc electric drive (direct) complete with connectors

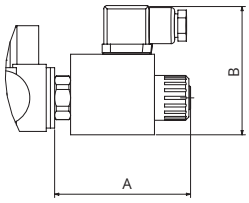


AMI 3 A = 80 B = 79	**AMI 4** A = 80 B = 79	**AMI 21R** A = 80 B = 79	**AMI 250** A = 80 B = 79
AMI 300 A = 100 B = 83	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

*

H71

Dispositivo per azionamento elettrico (diretto) a 24Vcc completo di connettori
24Vdc electric drive (direct) complete with connectors

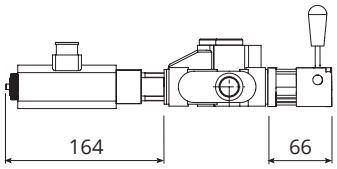


AMI 3 A = 80 B = 79	**AMI 4** A = 80 B = 79	**AMI 21R** A = 80 B = 79	**AMI 250** A = 80 B = 79
AMI 300 A = 100 B = 83	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

*

H73R1

Comando elettrico ON-OFF (PUSH-PULL) 12Vcc con comando manuale di emergenza, per portate fino a 35 l/min
ON-OFF (PUSH-PULL) 12Vdc electric control with emergency manual override, for flow rates up to 35 l/min



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

*

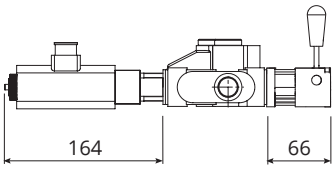
***N.B.: L'applicazione degli elettromagneti richiede una lavorazione speciale nel corpo /** *The application of electromagnets requires special machining of the body*

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ACCESSORI - COMANDI ELETTRICI
ACCESSORIES - ELECTRIC CONTROLS

H74R1

Comando elettrico ON-OFF (PUSH-PULL) 24Vcc con comando manuale di emergenza, per portate fino a 35 l/min
ON-OFF (PUSH- PULL) 24Vdc electric control with emergency manual override, for flow rates up to 35 l/min

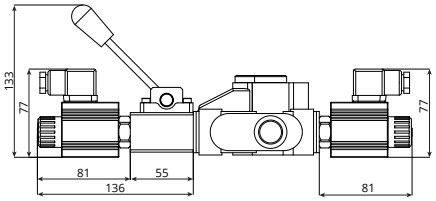


AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

*

H88

Comando elettrico ON-OFF (PUSH-PUSH) 12Vcc con comando manuale di emergenza, per portate fino a 35 l/min
ON-OFF (PUSH-PUSH) 12Vdc electric control with emergency manual override, for flow rates up to 35 l/min

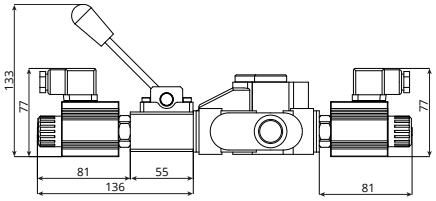


AMI 3	AMI 4	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

*

H89

Comando elettrico ON-OFF (PUSH-PUSH) 24Vcc con comando manuale di emergenza, per portate fino a 35 l/min
ON-OFF (PUSH-PUSH) 24Vdc electric control with emergency manual override, for flow rates up to 35 l/min

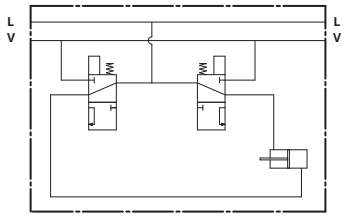


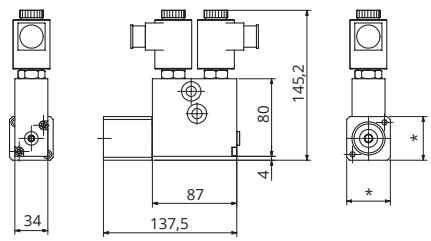
AMI 3	AMI 4	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

*

H75 - H76

Comando elettro-idraulico ON-OFF 12Vcc - 24Vcc
Electro-hydraulic control ON-OFF 12Vdc - 24Vdc





AMI 3 * = 34,5	**AMI 4** * = 34,5	**AMI 21R** * = 44,5	**AMI 250** * = 34,5
AMI 300 * = 44,5	**AMI 130** * = 44,5	**AMI 700** * = 44,5	**AMI 012** * = 44,5
AMI 013 * = 44,5	**AMI 5C** * = 34,5	**AMI 42C** * = 44,5	**AMI 12C** * = 44,5

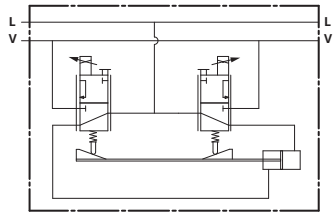
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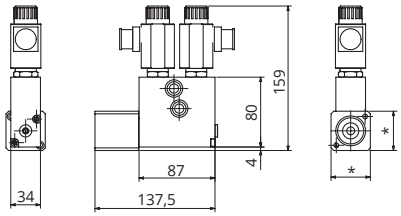
* **N.B.: L'applicazione degli elettromagneti richiede una lavorazione speciale nel corpo** / *The application of electromagnets requires special machining of the body*

** **N.B.: I comandi elettro-idraulici H75-H76-H77-H78 sono comprensivi di riduttrice di pressione flangiata. A richiesta possono essere forniti completi di kit di alimentazione con valvola di non ritorno tarata a 8 bar. Coppia di serraggio viti M5x90 ---> 0,8 -1 kg** / *Electro-hydraulic controls H75-H76-H77-H78 include flange-mounted pressure reducer. They can, on request, be supplied complete with input kits with non-return valves calibrated at 8 bar. Tightening torque screws M5x90 ---> 0,8 -1 kg*

H77 - H78

Comando elettro-idraulico proporzionale 12Vcc - 24Vcc (si consiglia l'abbinamento con il cursore sensibile proporzionale tipo H25); la portata si riduce
Electro-hydraulic control proportional 12Vdc - 24Vdc (connection with the metered spool type H25 is recommended); the flow is reduced





**

AMI 3 ∗ = 34,5	**AMI 4** ∗ = 34,5	**AMI 21R** ∗ = 44,5	**AMI 250** ∗ = 34,5
AMI 300 ∗ = 44,5	**AMI 130** ∗ = 44,5	**AMI 700** ∗ = 44,5	**AMI 012** ∗ = 44,5
AMI 013 ∗ = 44,5	**AMI 5C** ∗ = 34,5	**AMI 42C** ∗ = 44,5	**AMI 12C** ∗ = 44,5

∗ **N.B.: L'applicazione degli elettromagneti richiede una lavorazione speciale nel corpo /** *The application of electromagnets requires special machining of the body*

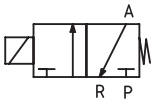
∗∗ **N.B.: I comandi elettro-idraulici H75-H76-H77-H78 sono comprensivi di riduttrice di pressione flangiata. A richiesta possono essere forniti completi di kit di alimentazione con valvola di non ritorno tarata a 8 bar. Coppia di serraggio viti M5x90 ---> 0,8 -1 kg /** *Electro-hydraulic controls H75-H76-H77-H78 include flange-mounted pressure reducer. They can, on request, be supplied complete with input kits with non-return valves calibrated at 8 bar. Tightening torque screws M5x90 ---> 0,8 -1 kg*

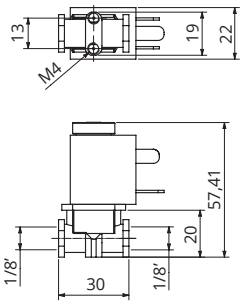
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ACCESSORI - OPZIONI SU COMANDI ELETTRICI
ACCESSORIES - OPTIONS ON ELECTRIC CONTROLS

H54 - H55

Valvole elettropneumatiche 12V - 24V
Electro-pneumatic valves 12Vdc - 24Vdc

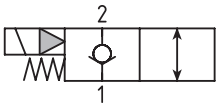


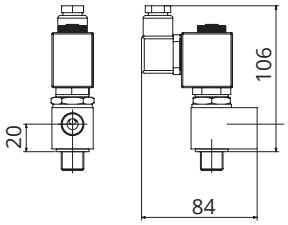


AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

H66 - H67
H68 - H69

Elettrovalvola 2 vie flangiabile su utilizzi A-B
H66 (12Vcc) su utilizzo A - H67 (24Vcc) su utilizzo A - H68 (12Vcc) su utilizzo B - H69 (24Vcc) su utilizzo B
2-Way solenoid valve suitable for flange-mounting on A-B users
H66 (12Vcc) user A - H67 (24Vcc) user A - H68 (12Vcc) user B - H69 (24Vcc) user B

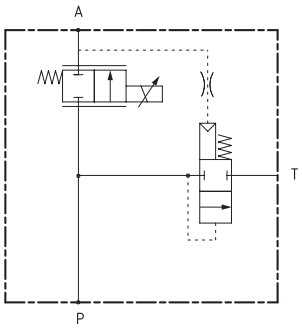


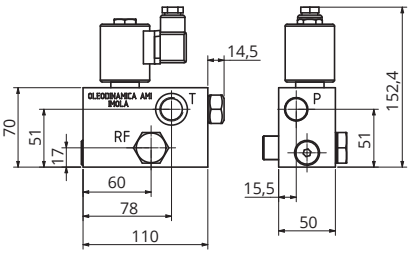


AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	AMI 42C	AMI 12C

VPF

Valvola proporzionale 12-24 Vcc flangiabile in ingresso sul distributore (vedi joystick a pag. E-25)
12-24 Vdc proportional valve suitable for flange-mounting on control valve inlet (see joystick page E-25)

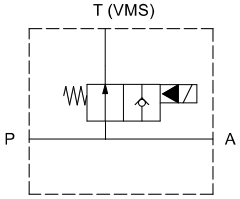


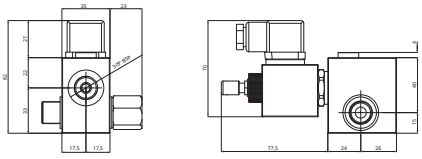


AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

BMS

Blocco valvola di messa a scarico flangiabile in ingresso
Unloading valve for flange-mounting on the control valve inlet



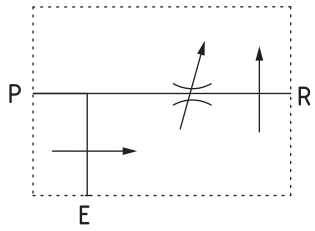


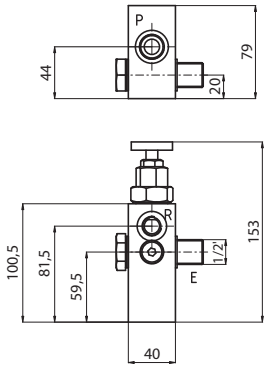
AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

ACCESSORI - OPZIONI SU COMANDI MANUALI
ACCESSORIES - OPTIONS ON MANUAL CONTROLS

VRF

Blocco regolatore di flusso flangiabile in ingresso
Flange-mounted flow regulator at inlet

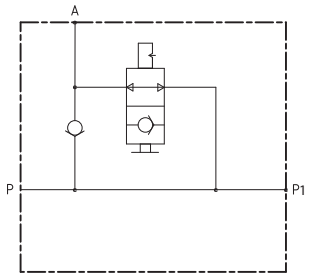


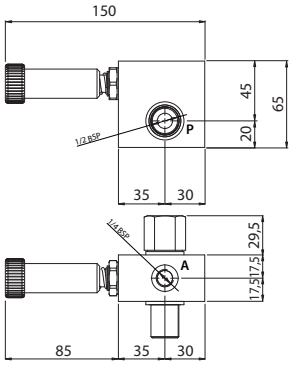


AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

VBT

Valvola di blocco traversa flangiabile in ingresso sul distributore
Traverse lock valve suitable for flange-mounting on control valve inlet





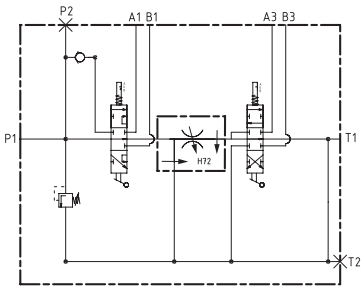
AMI 3	**AMI 4**	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	AMI 12C

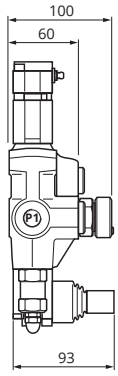
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ACCESSORI - REGOLATORI DI FLUSSO
ACCESSORIES - FLOW REGULATORS

H72

Versione con divisore di flusso a sottrazione (n.b.: portata max in ingresso 40 l/min)
Version with withdrawal flow regulator (n.b.: max. inlet flow rate 40 l/min)

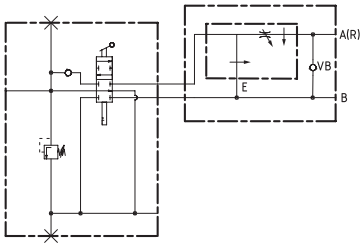


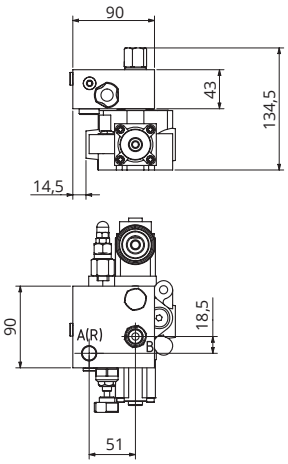


AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

H72A

Blocco regolatore antibloccaggio flangiato parte superiore, reversibile lato "P" o lato "T" (n.b.: portata max in ingresso 30 l/min)
Anti-locking regulator block flange-mounted on the top, reversible on "P" or "T" side (n.b.: max. inlet flow rate 30 l/min)

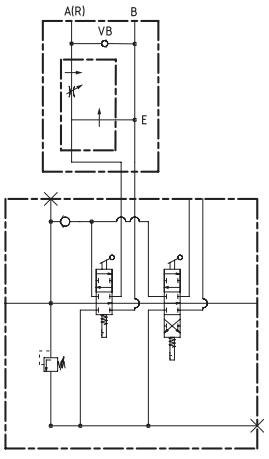


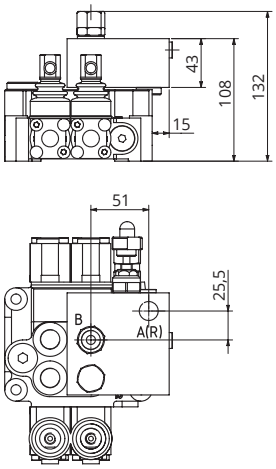


AMI 3	AMI 4	**AMI 21R**	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

H72A

Blocco regolatore antibloccaggio flangiato parte superiore, reversibile lato "P" o lato "T" (n.b.: portata max in ingresso 30 l/min)
Anti-locking regulator block flange-mounted on the top, reversible on "P" or "T" side (n.b.: max. inlet flow rate 30 l/min)





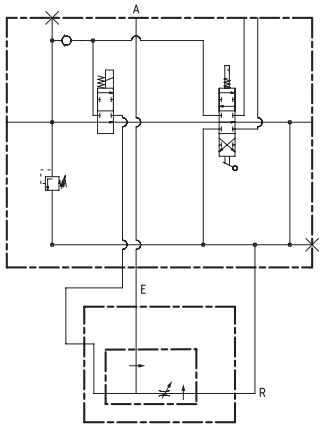
AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

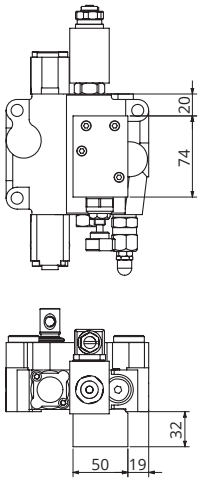
A(R): Utilizzo A regolato / *Adjusted User A*
E: Eccedenza / *Excess*
VB: Valvola antibloccaggio / *Anti-locking valve*

ACCESSORI - REGOLATORI DI FLUSSO
ACCESSORIES - FLOW REGULATORS

H72B

Blocco regolatore flangiato parte inferiore (n.b.: portata max in ingresso 30 l/min)
Regulator block flange-mounted on the bottom (n.b.: max. inlet flow rate 30 l/min)

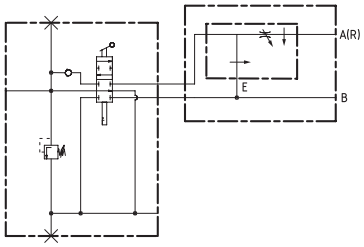


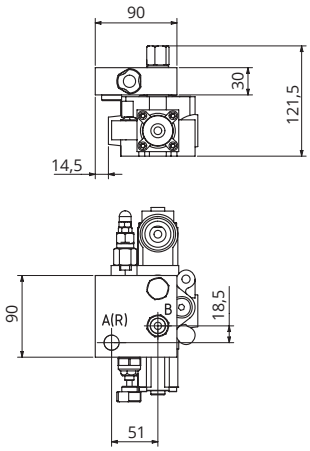


AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

H72C

Blocco regolatore flangiato parte superiore, reversibile lato "P" o lato "T" (n.b.: portata max in ingresso 30 l/min)
Regulator block flange-mounted on the top, reversible on "P" or "T" side (n.b.: max. inlet flow rate 30 l/min)

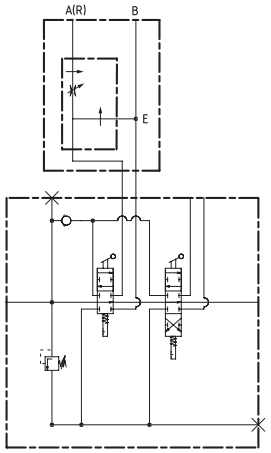


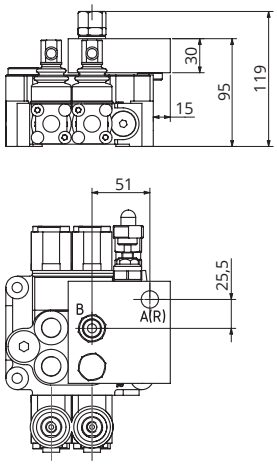


AMI 3	AMI 4	**AMI 21R**	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

H72C

Blocco regolatore flangiato parte superiore, reversibile lato "P" o lato "T" (n.b.: portata max in ingresso 30 l/min)
Regulator block flange-mounted on the top, reversible on "P" or "T" side (n.b.: max. inlet flow rate 30 l/min)





AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

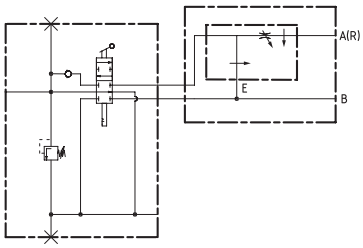
R: Regolato / *Adjusted*
A(R): Utilizzo A regolato / *Adjusted User A*
E: Eccedenza / *Excess*

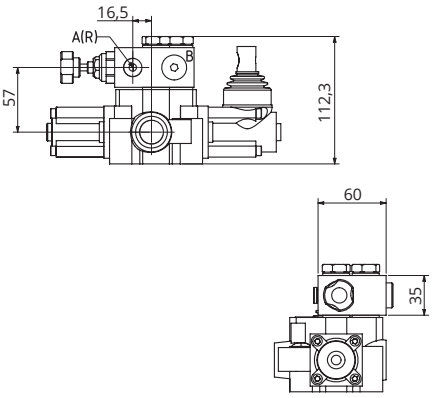
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ACCESSORI - REGOLATORI DI FLUSSO
ACCESSORIES - FLOW REGULATORS

H72D

Blocco regolatore flangiato parte superiore lato "T" (n.b.: portata max in ingresso 30 l/min)
Regulator block flange-mounted on the top on "T" side (n.b.: max. inlet flow rate 30 l/min)

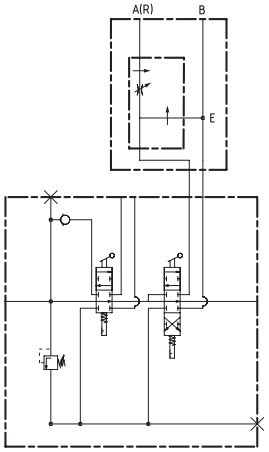


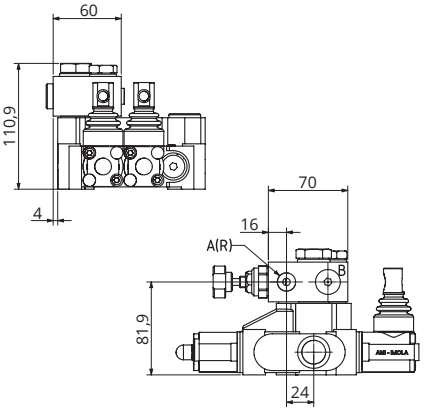


AMI 3	AMI 4	**AMI 21R**	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

H72D

Blocco regolatore flangiato parte superiore lato "T" (n.b.: portata max in ingresso 30 l/min)
Regulator block flange-mounted on the top on "T" side (n.b.: max. inlet flow rate 30 l/min)

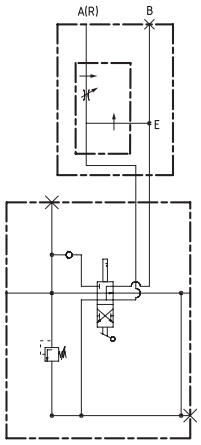


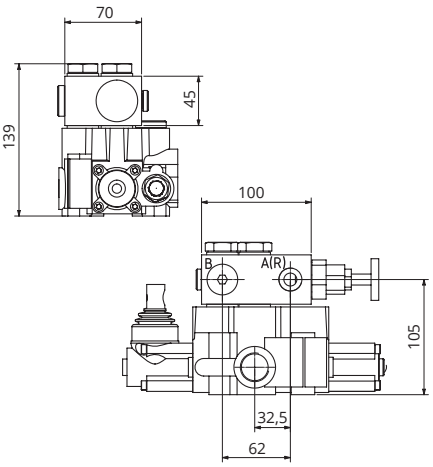


AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

H72D

Blocco regolatore flangiato parte superiore lato "T" (n.b.: portata max in ingresso 50 l/min)
Regulator block flange-mounted on the top on "T" side (n.b.: max. inlet flow rate 50 l/min)





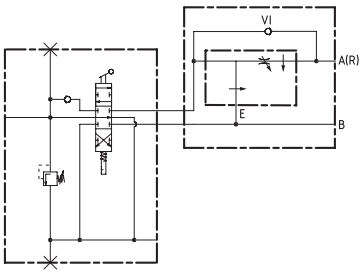
AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

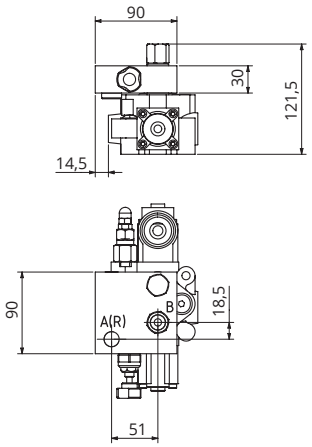
A(R): Utilizzo A regolato / *Adjusted User A*
E: Eccedenza / *Excess*

ACCESSORI - REGOLATORI DI FLUSSO
ACCESSORIES - FLOW REGULATORS

H72I

Blocco regolatore con inversione flangiato parte superiore reversibile lato P o lato T (n.b.: portata max in ingresso 30 l/min)
Regulator block with reversal function, flange mounting in top part, reversible side P or side T (n.b.: max. inlet flow rate 30 l/min)

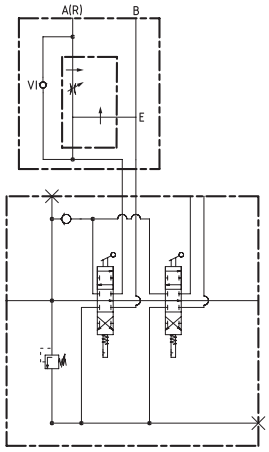


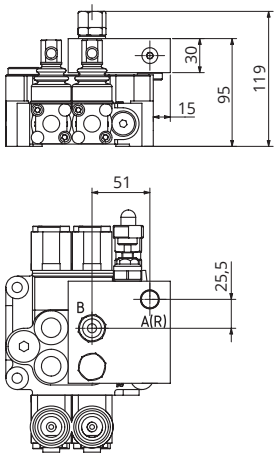


AMI 3	AMI 4	**AMI 21R**	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

H72I

Blocco regolatore con inversione flangiato parte superiore reversibile lato P o lato T (n.b.: portata max in ingresso 30 l/min)
Regulator block with reversal function, flange mounting in top part, reversible side P or side T (n.b.: max. inlet flow rate 30 l/min)

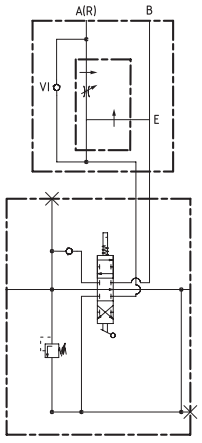


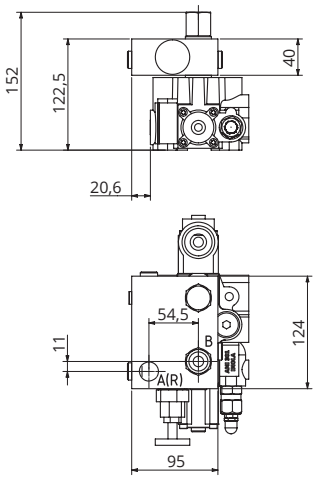


AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

H72I

Blocco regolatore con inversione flangiato parte superiore reversibile lato P o lato T (n.b.: portata max in ingresso 50 l/min)
Regulator block with reversal function, flange mounting in top part, reversible side P or side T (n.b.: max. inlet flow rate 50 l/min)





AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

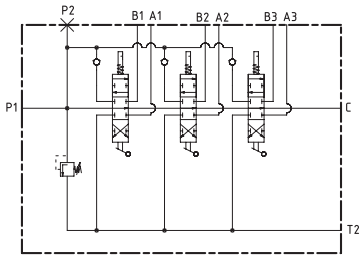
A(R): Utilizzo A regolato / *Adjusted User A*
E: Eccedenza / *Excess*
VI: Valvola inversione / *Reversing Valve*

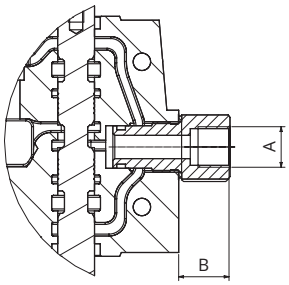
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ACCESSORI - OPZIONI SULLO SCARICO
ACCESSORIES - OPTIONS ON RETURN SIDE

H10

Raccordo per la continuazione della linea di pressione (CARRY-OVER)
Presetting for pressure line CARRY-OVER





AMI 3	**AMI 4** A = 1/2" BSP B = 24	**AMI 21R** A = 1/2" BSP B = 24	**AMI 250** A = 1/2" BSP B = 24
AMI 300 A = 1/2" BSP B = 24	**AMI 130** A = 1" BSP B = 35	**AMI 700** A = 1" BSP B = 35	AMI 012
AMI 013 A = 3/4" BSP B = 27	**AMI 5C** A = 1/2" BSP	**AMI 42C** A = 1/2" BSP B = 24	**AMI 12C** A = 1" BSP

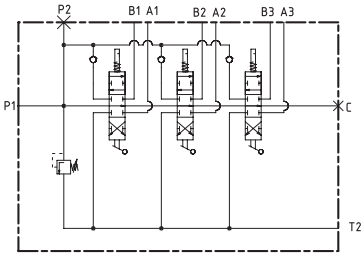
STC

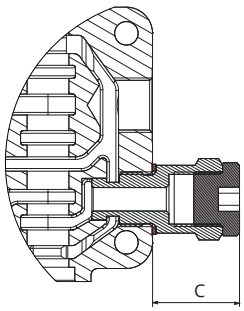
Predisposizione tappata per CARRY-OVER. A richiesta per serie AMI4 e AMI250
Standard per serie AMI21R-300-130-700-013-5C-42C-12C utilizzando scarico laterale + H10
Plugged presetting for CARRY-OVER. On request for AMI4 and AMI250 series
Standard for AMI21R-300-130-700-013-5C-42C-12C series using side return + H10

AMI 3	AMI 4	**AMI 21R**	AMI 250
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

H10C

CARRY-OVER tappato
Plugged CARRY-OVER

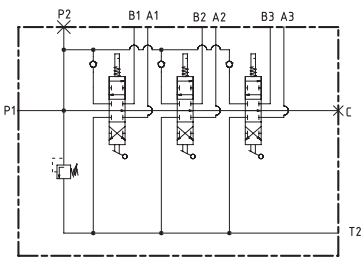


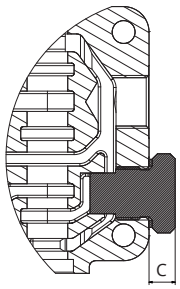


AMI 3	**AMI 4** C = 32	**AMI 21R** C = 32	**AMI 250** C = 32
AMI 300 C = 32	**AMI 130** C = 42	**AMI 700** C = 42	AMI 012
AMI 013 C = 35	**AMI 5C**	**AMI 42C** C = 32	**AMI 12C**

TCC

Tappo centro chiuso
Closed centre plug





AMI 3	**AMI 4** C = 10	**AMI 21R** C = 10	**AMI 250** C = 10
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

ACCESSORI - COMANDI E RADIOCOMANDI PER DISTRIBUTORI ELETTRICI

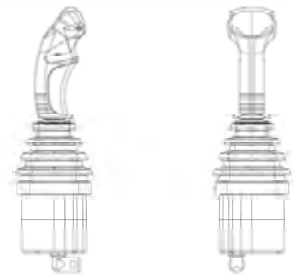
ACCESSORIES - CONTROLS AND REMOTE CONTROLS FOR ELECTRIC CONTROL VALVES

AVVERTENZA: I comandi elettrici sono destinati all'installazione in ambiente protetto. Non immergere in acqua. Proteggere il dispositivo da pioggia, getti d'acqua e umidità eccessiva.
WARNING: Electrical control devices are intended for installation in protected environments only. Do not expose the device to water. Protect the device from rain, water jets, and excessive humidity.

JOYSTICK

Joystick elettrico proporzionale a doppio asse con possibilità di integrare pulsanti per il comando di bobine ON/OFF.
Dual-axis proportional electric joystick with optional push buttons for ON/OFF coil control.

Vedi pagina F-4
See page F-4

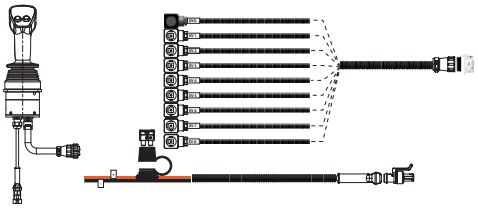


AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	**AMI 012**
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

JOYSTICK

Joystick elettrico proporzionale per comandare da 1 a 8 bobine (dedicato a VPF vedi pag. E-18)
Proportional electric joystick, control from 1 to 8 coils (VPF-dedicated, see page E-18)

Vedi pagina F-5
See page F-5

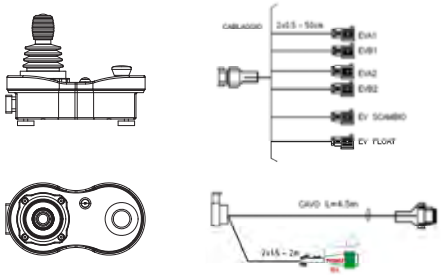


AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	AMI 42C	AMI 12C

JOYSTICK

Joystick elettrico con due assi proporzionali, due comandi On-Off (scambio e flottante), totale 6 uscite (progettata per caricatori frontali agricoli)
Electric joystick with two proportional axes, two On-Off functions (diverter and float), for a total of six outputs (designed for agricultural front loaders)

Vedi pagina F-6
See page F-6

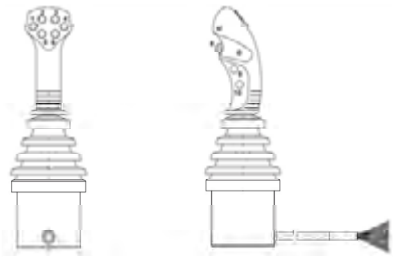


AMI 3	AMI 4	AMI 21R	AMI 250
AMI 300	AMI 130	AMI 700	**AMI 012**
AMI 013	AMI 5C	AMI 42C	AMI 12C

JOYSTICK ON /OFF

Joystick ON/OFF a doppio asse predisposto per l'integrazione di pulsanti aggiuntivi per il comando di bobine supplementari
Dual-axis ON/OFF joystick with optional additional push buttons for auxiliary coil control

Vedi pagina F-7
See page F-7



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	**AMI 012**
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

IMPUGNATURA

Impugnatura con comandi a levette per comandare da 1 a 10 bobine e pulsanti ON/OFF per la gestione motore (progettato per cimatrici)
Handle with lever controls for operating 1 to 10 coils and ON/OFF buttons for engine control (designed for hedge trimmers)

Vedi pagina F-8
See page F-8



AMI 3	AMI 4	AMI 21R	**AMI 250**
AMI 300	AMI 130	AMI 700	AMI 012
AMI 013	AMI 5C	**DB3**	**DB3C**

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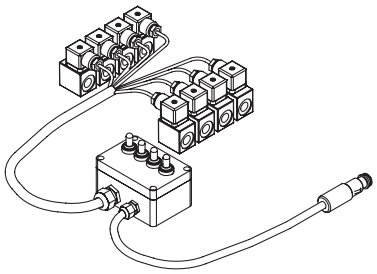
ACCESSORI - COMANDI E RADIOCOMANDI PER DISTRIBUTORI ELETTRICI

ACCESSORIES - CONTROLS AND REMOTE CONTROLS FOR ELECTRIC CONTROL VALVES

AVVERTENZA: I comandi elettrici sono destinati all'installazione in ambiente protetto. Non immergere in acqua e non utilizzare sott'acqua. Proteggere il dispositivo da pioggia, getti d'acqua e umidità eccessiva.
WARNING: Electrical control devices are intended for installation in protected environments only. Do not expose the device to water or use it underwater. Protect the device from rain, water jets, and excessive humidity.

COM...F

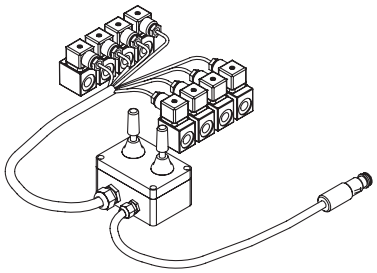
Scatola comando per distributore elettrico ON-OFF fornibile da 1 a 6 levette
Electric control valve ON-OFF control box, can be supplied with 1 to 6 levers



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

COM...J

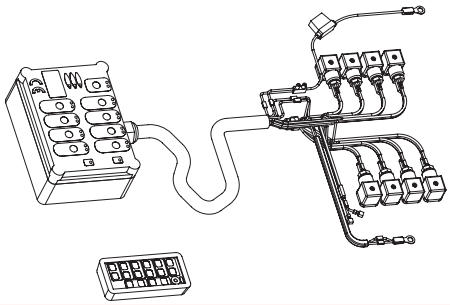
Scatola con joystick per comando elettrico ON-OFF 12/24 Vcc
Joystick box for 12/24 Vdc ON-OFF electric control



AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

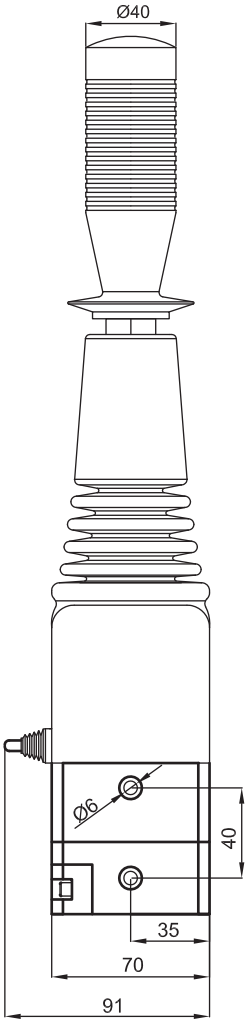
RXVE

Radiocomando per distributore con comando elettrico ON-OFF completo di ricevitore e trasmettitore
Control valve radio control with ON-OFF electrical control complete with receiver and transmitter

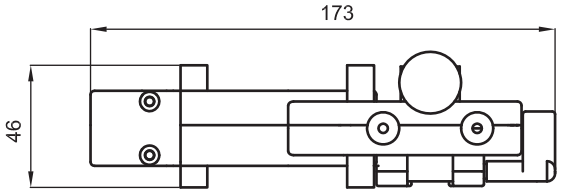


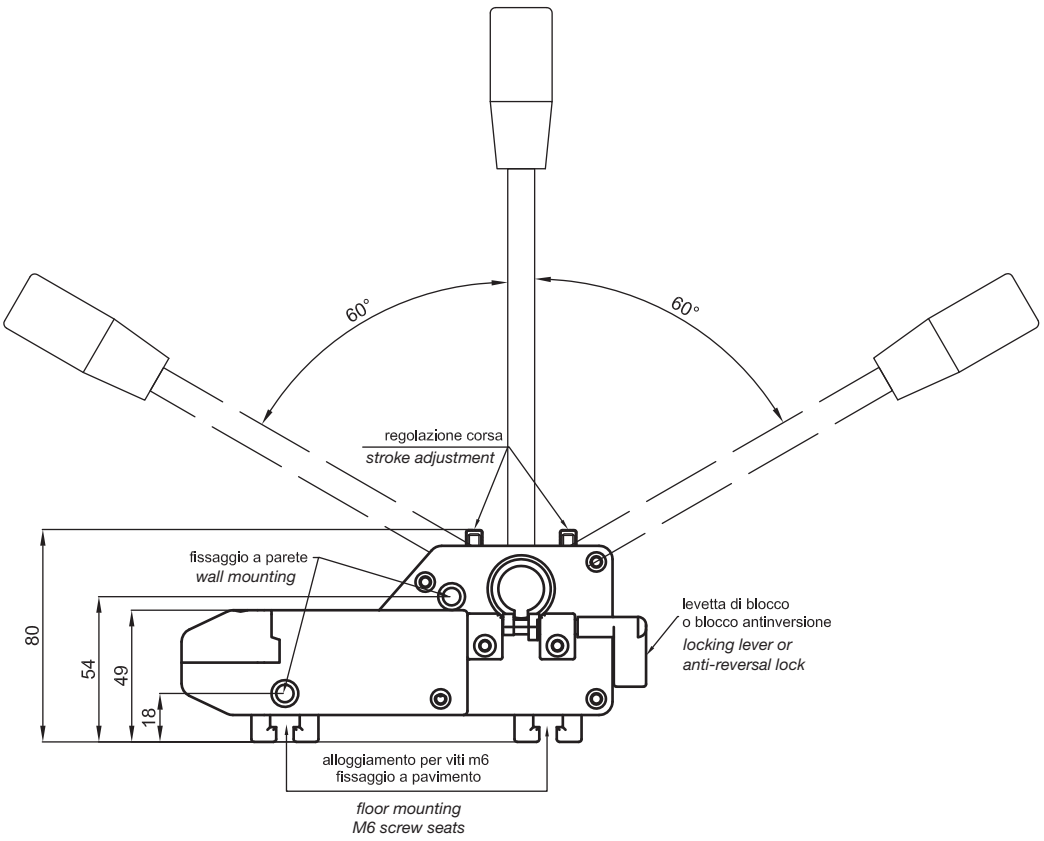
AMI 3	**AMI 4**	**AMI 21R**	**AMI 250**
AMI 300	**AMI 130**	**AMI 700**	AMI 012
AMI 013	**AMI 5C**	**AMI 42C**	**AMI 12C**

COMANDO JOYSTICK (S)
JOYSTICK CONTROL



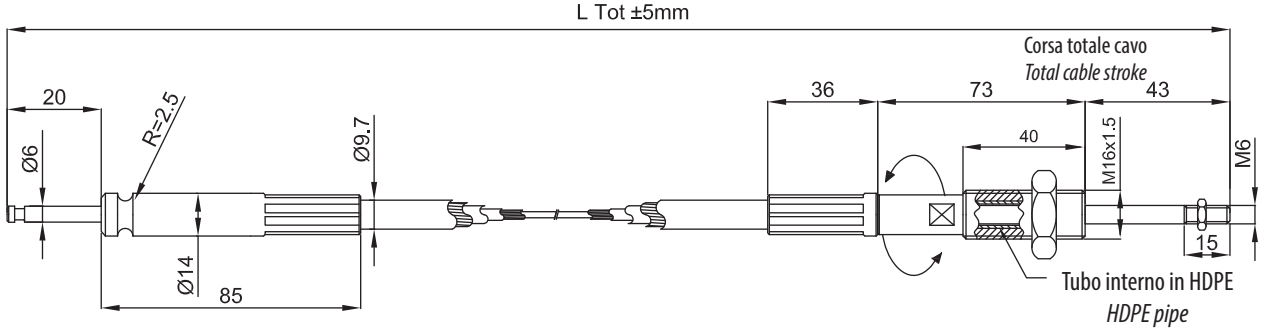
COMANDO C.D.F.(S)
C.D.F.(S) CONTROL





C.D.F.(S) fornibile anche con blocco centrale e blocco antinversione
C.D.F.(S) also available with centre block and reversal-preventing block

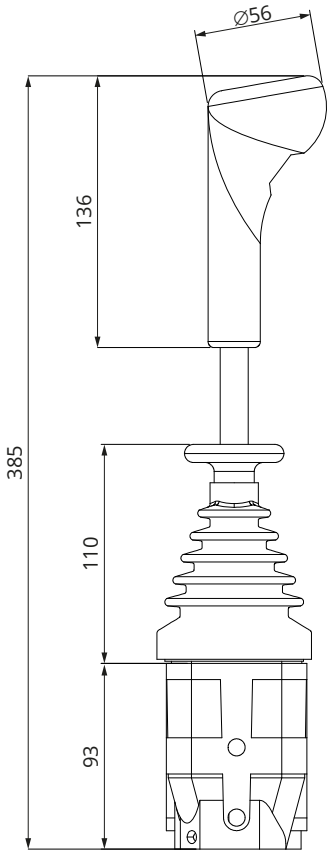
CAVO C.M.F.(S) PER C.D.F.(S)/JOYSTICK
CABLE C.M.F.(S) FOR C.D.F.(S)/JOYSTICK



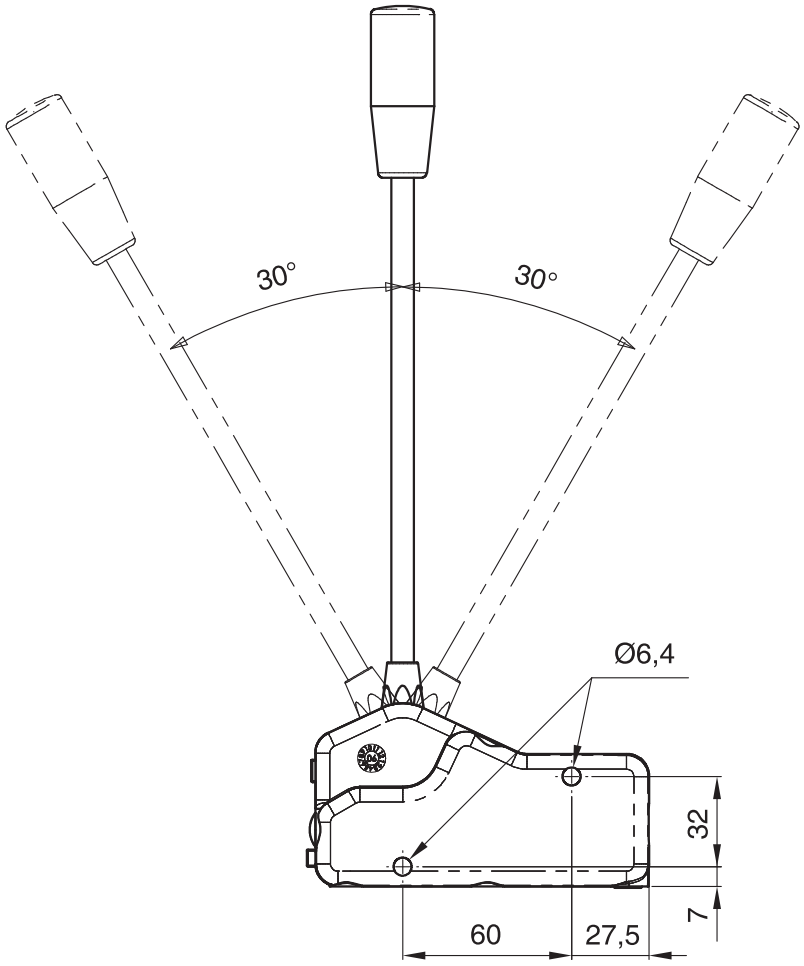
Cavo C.M.F.(S) fornibile da 500mm a 7000mm
C.M.F.(S) Cable supplied in the lengths 500mm to 7000mm

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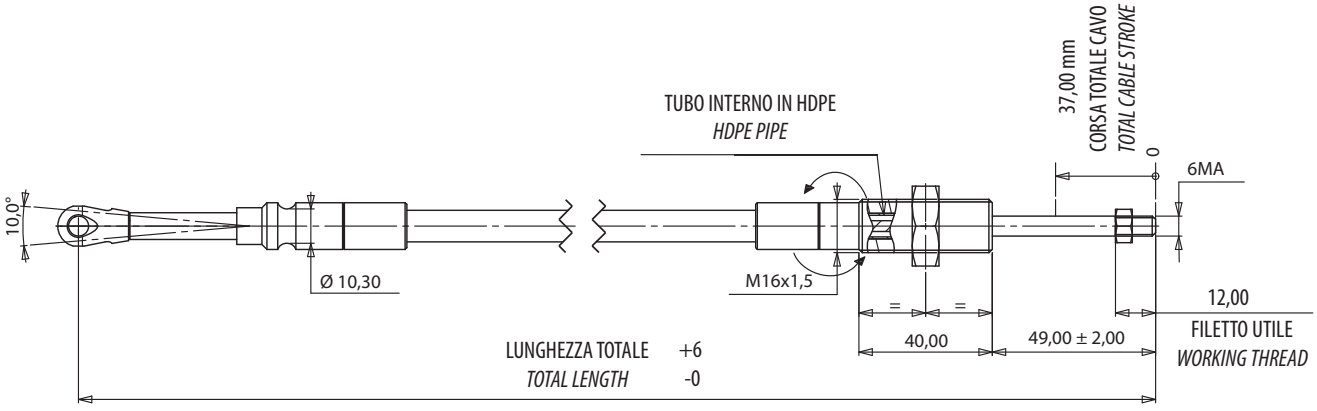
COMANDO JOYSTICK (I)
JOYSTICK CONTROL



COMANDO C.D.F.(I)
C.D.F. (I) CONTROL

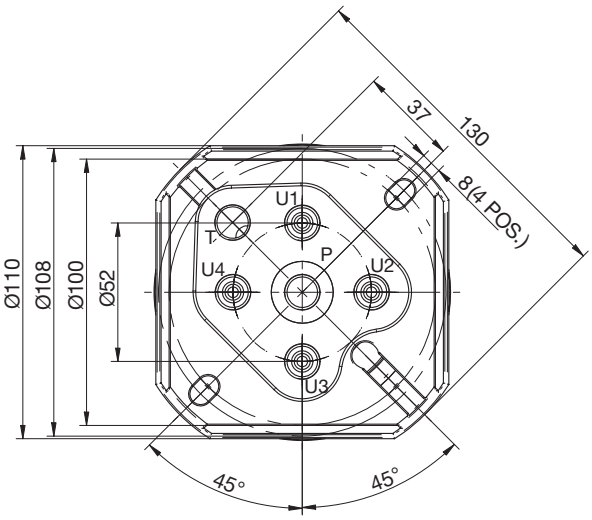


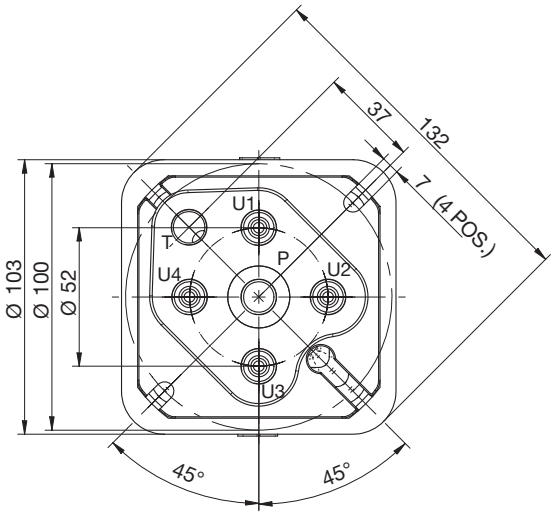
CAVO C.M.F. PER C.D.F.(I)/JOYSTICK
C.M.F. CABLE FOR C.D.F.(I)/JOYSTICK

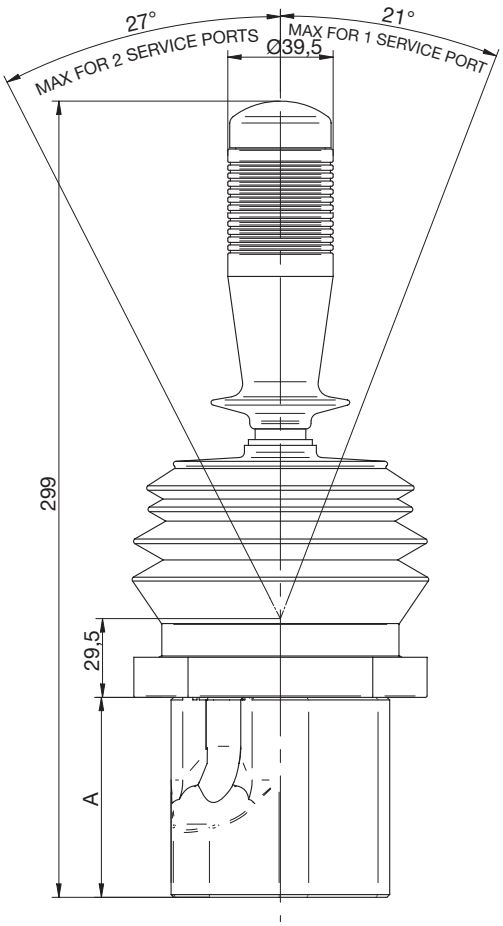


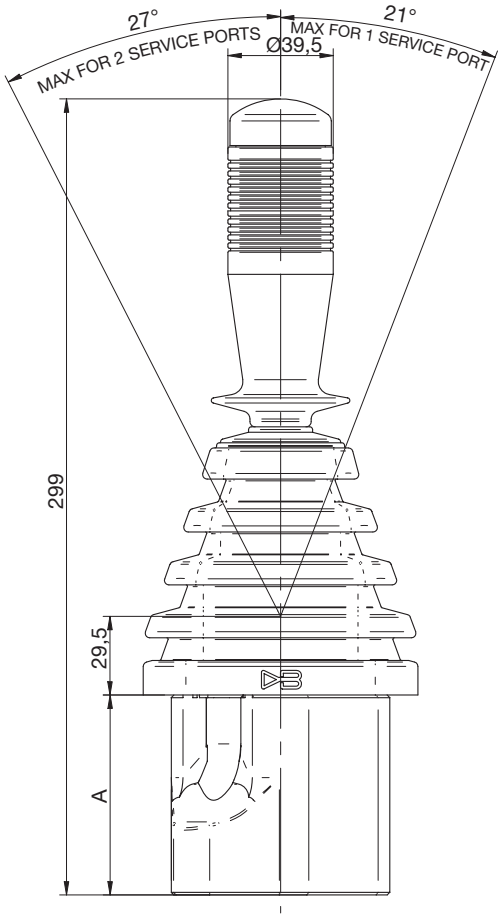
Cavo C.M.F. fornibile da 500mm a 7000mm
C.M.F. Cable supplied in the lengths 500mm to 7000mm

JOYSTICK DOPPIO ASSE A COMANDO IDRAULICO
TWIN AXIS HYDRAULIC PILOT CONTROL







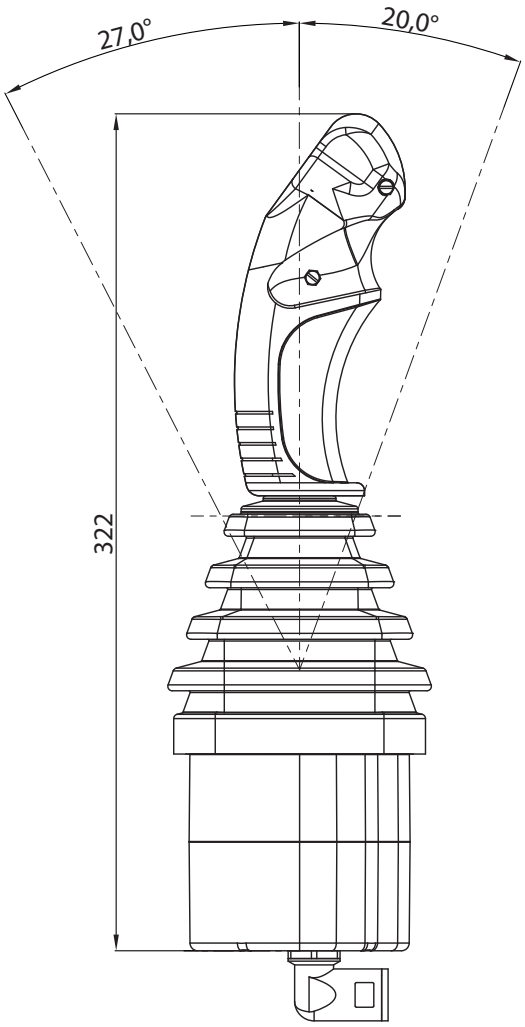


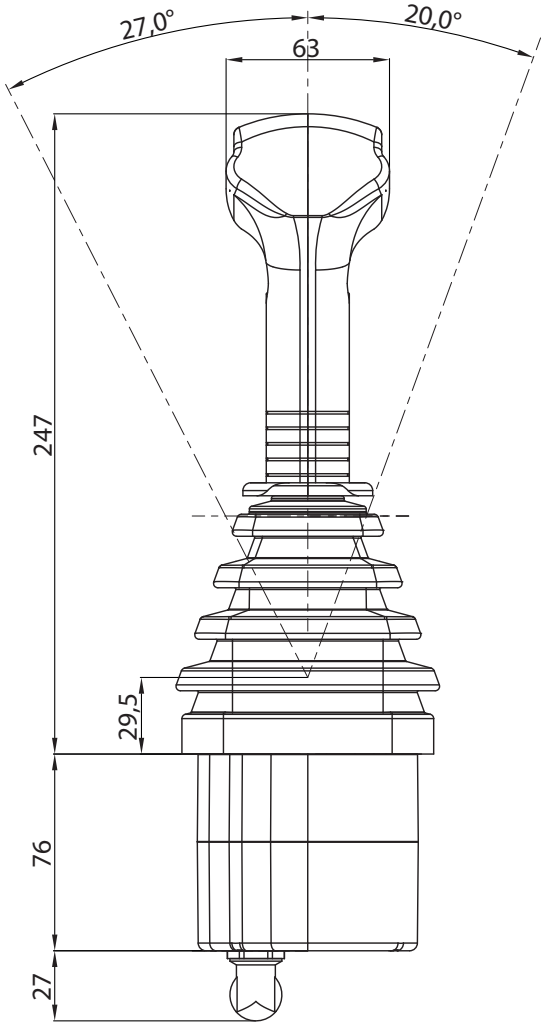
A = 75 mm 1/4" BSP PORTS
A = 82 mm 9/16" SAE6 PORTS

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JOYSTICK DOPPIO ASSE ELETTRICO PROPORZIONALE

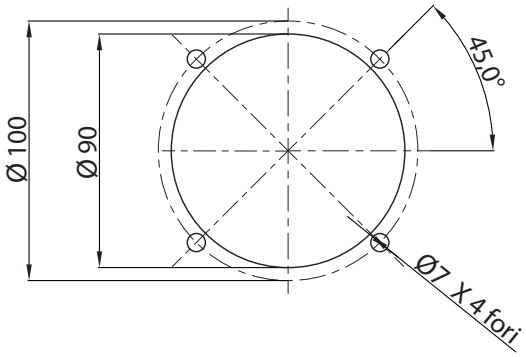
PROPORTIONAL TWIN AXIS ELECTRIC JOYSTICK





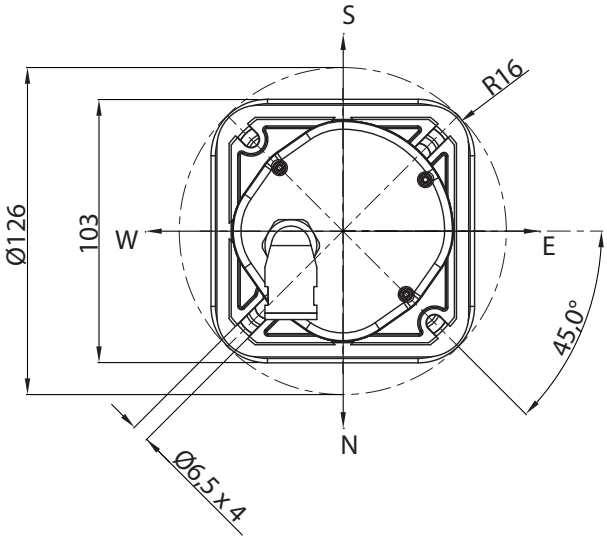
MOVIMENTI COMBINATI (N+E; N+W; S+E; S+W;)

COMBINED MOVEMENTS (N+E; N+W; S+E; S+W;)



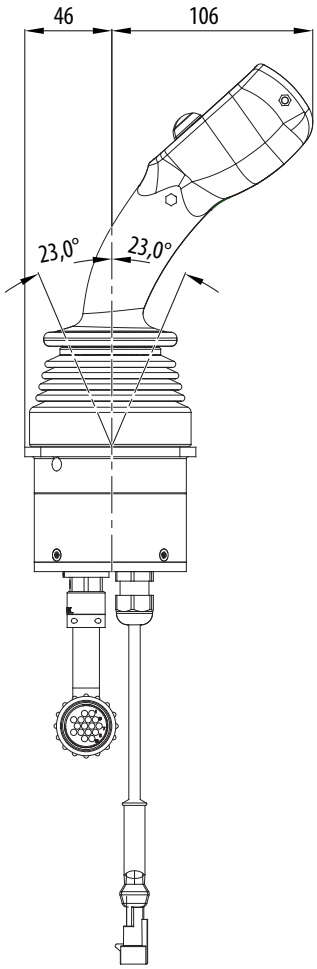
FORI DI FISSAGGIO

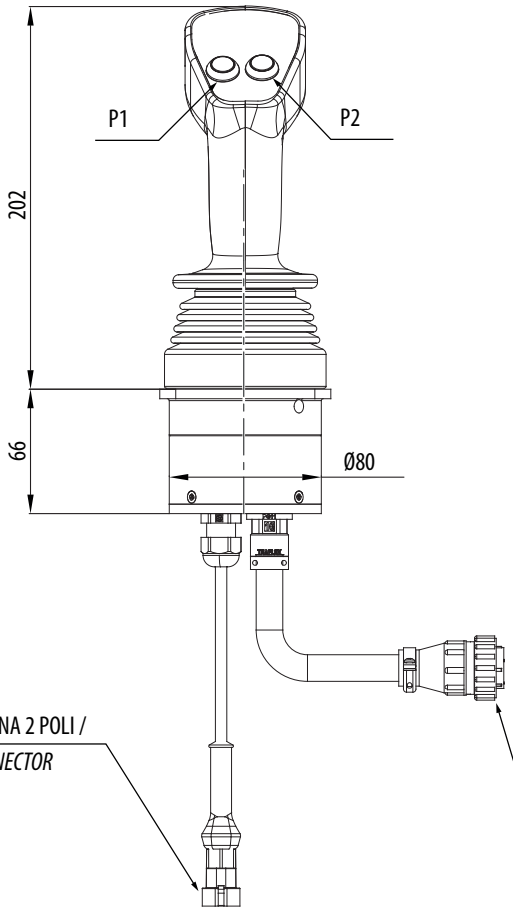
FIXING HOLES



JOYSTICK DOPPIO ASSE ELETTRICO PROPORZIONALE

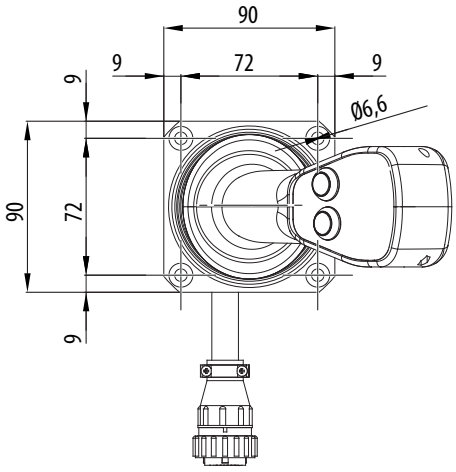
PROPORTIONAL TWIN AXIS ELECTRIC JOYSTICK

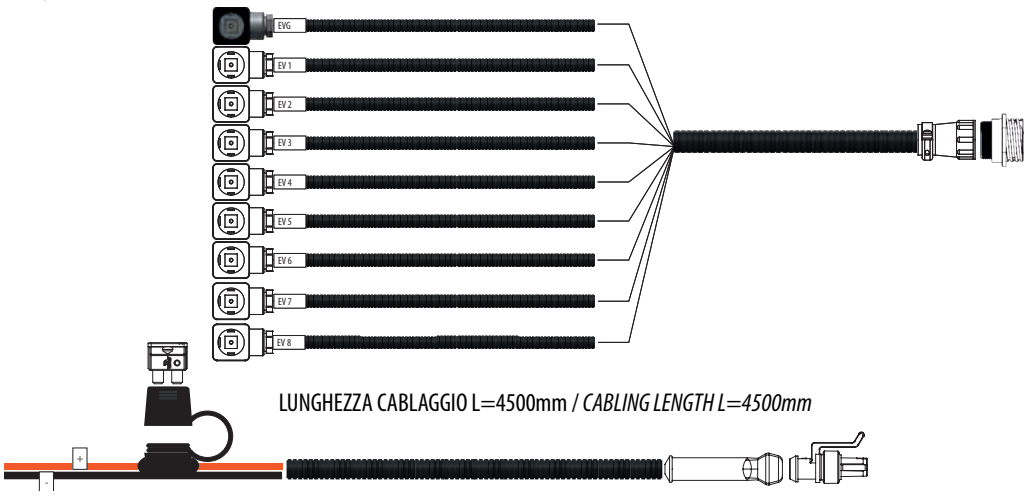




CONNETTORE STAGNO FEMMINA 2 POLI /
2 POLES SEALED FEMALE CONNECTOR

CONNETTORE CPC 14 POLI CON GHIERA /
14 POLES CPC CONNECTOR WITH NUT





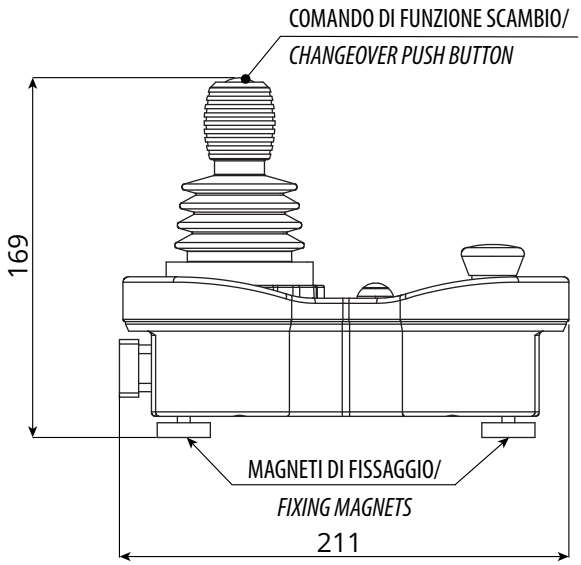
LUNGHEZZA CABLAGGIO L=4500mm / *CABLING LENGTH L=4500mm*

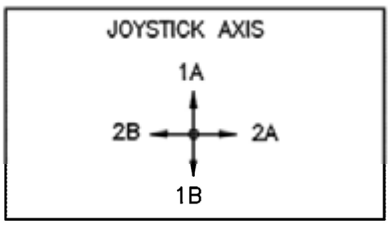
DEDICATO ALLA VPF, VEDI PAG. E-18
VPF-DEDICATED, SEE PAGE E-18

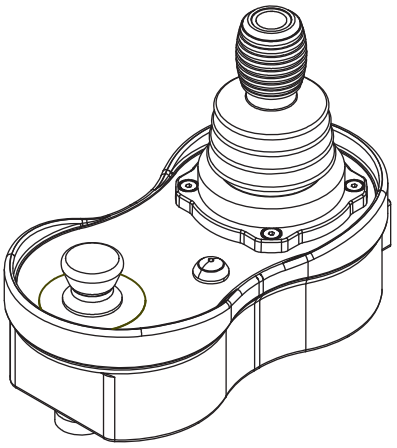
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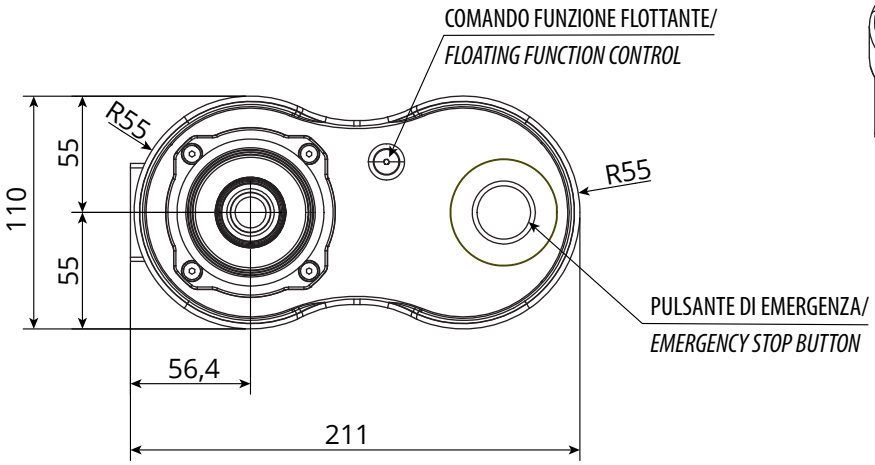
JOYSTICK DOPPIO ASSE ELETTRICO PROPORZIONALE

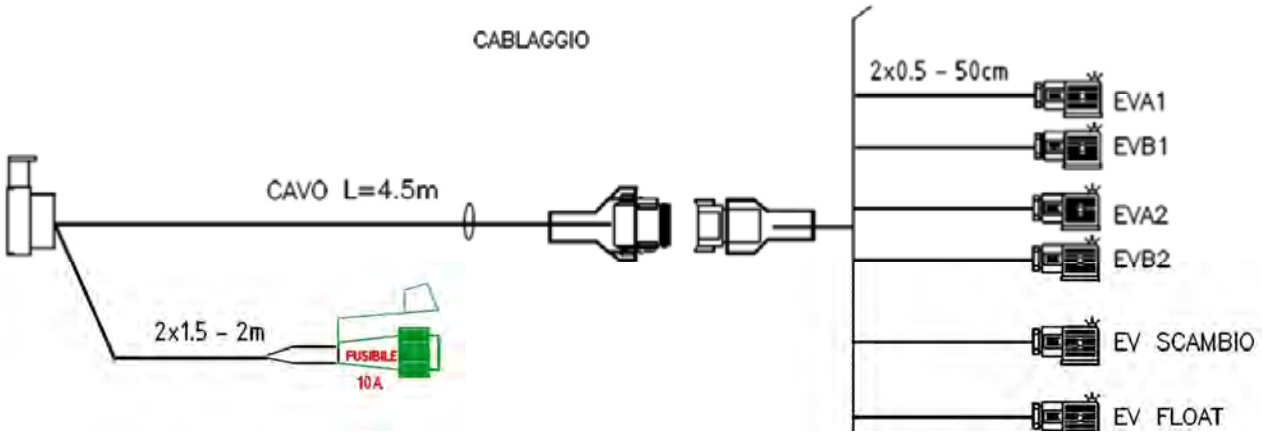
PROPORTIONAL TWIN AXIS ELECTRIC JOYSTICK











ESEMPIO DI APPLICAZIONE: CARICATORI FRONTALI AGRICOLI

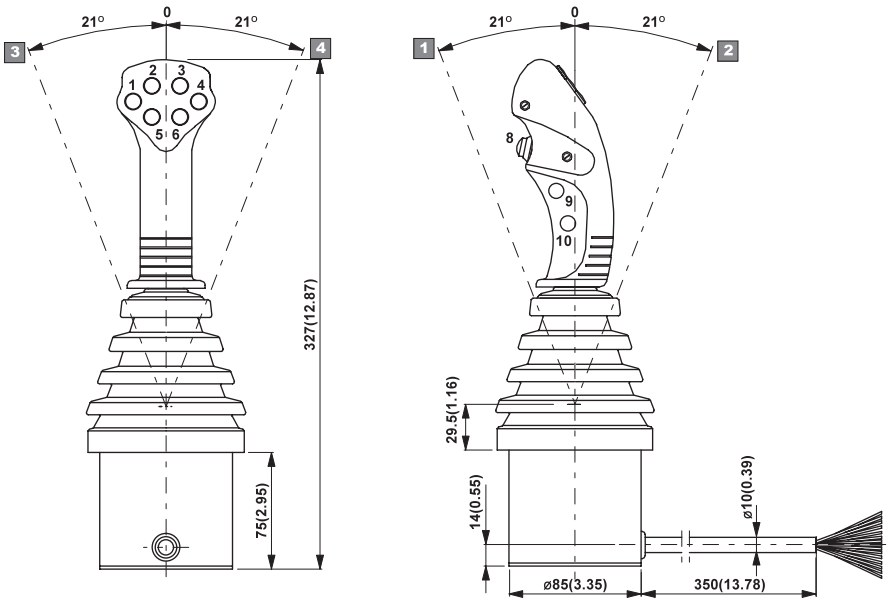
APPLICATION EXAMPLE: AGRICULTURAL FRONT LOADERS

JOYSTICK DOPPIO ASSE ELETTRICO ON - OFF

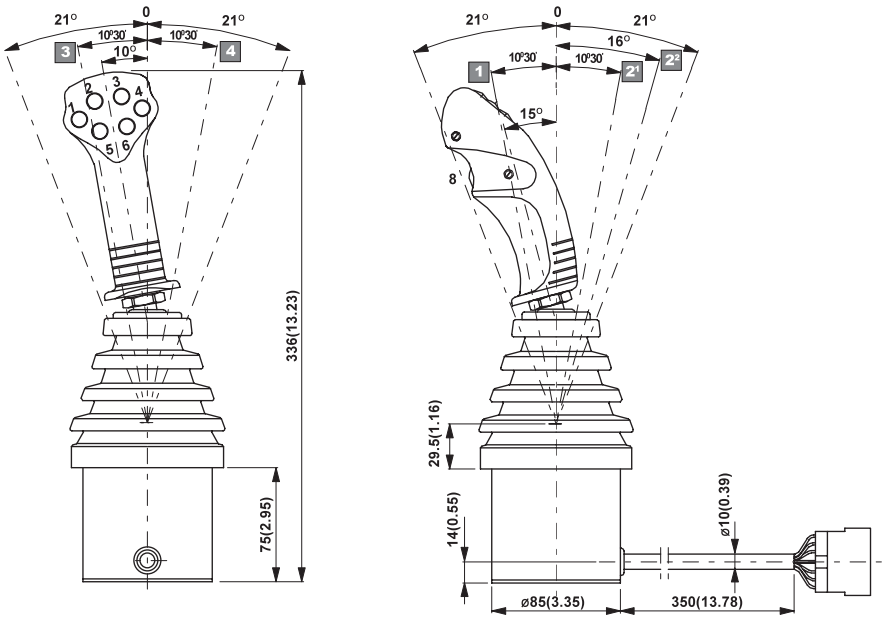
TWIN AXIS ON - OFF ELECTRIC JOYSTICK

J-ON-OFF

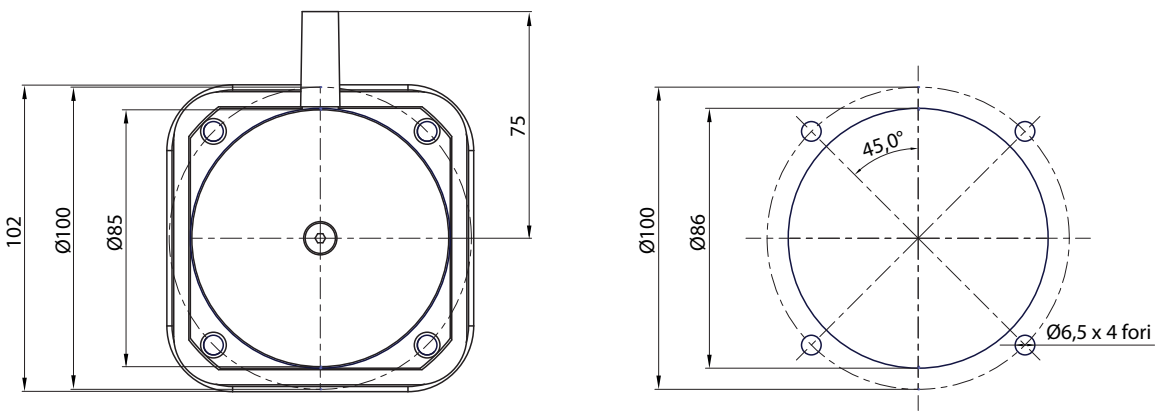
Joystick: TIPO DI IMPUGNATURA
Joystick: Handle Type



Joystick: TIPO DI IMPUGNATURA INCLINATA
Joystick: Angled Handle Type



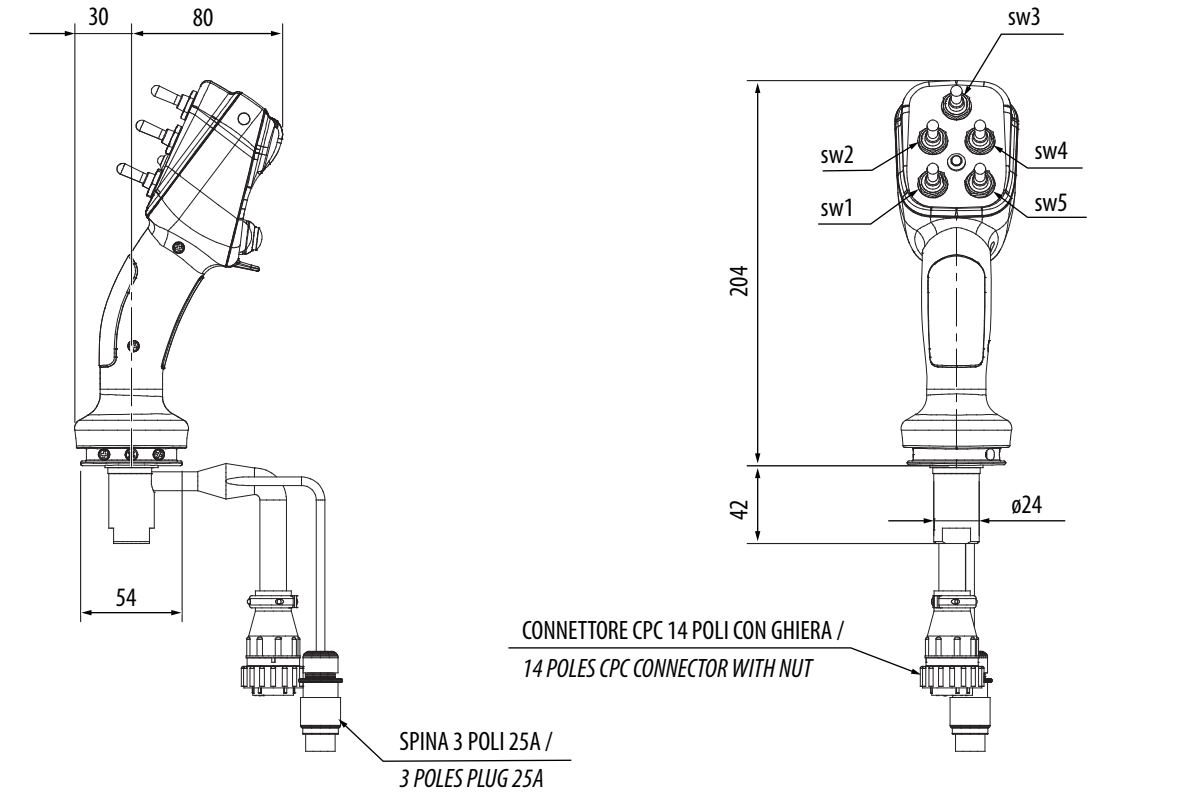
QUOTE DI INGOMBRO E FISSAGGIO
DIMENSIONS AND FIXING

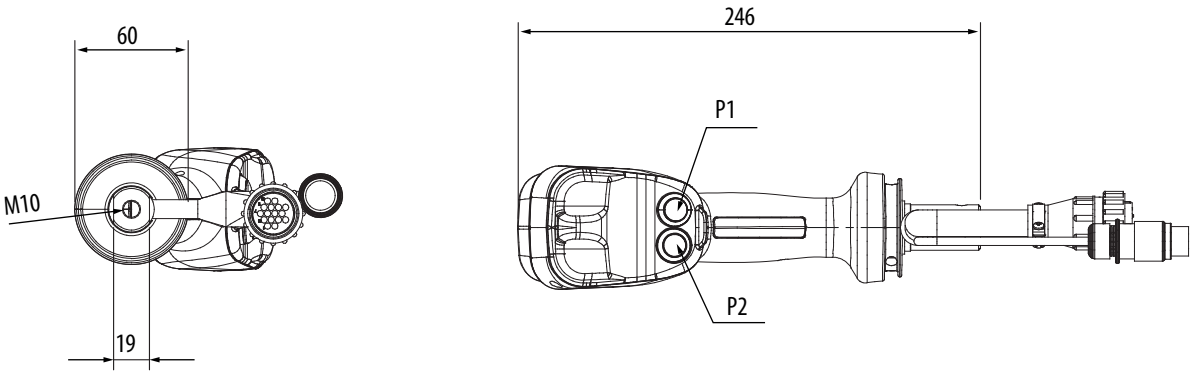


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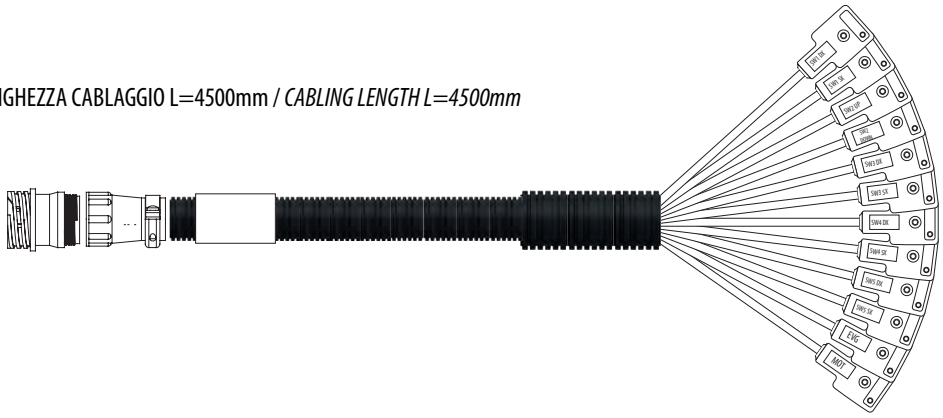
KIT IMPUGNATURA PER APPLICAZIONI ELETTRICHE ON-OFF

HANDLE KIT FOR ELECTRICAL APPLICATIONS



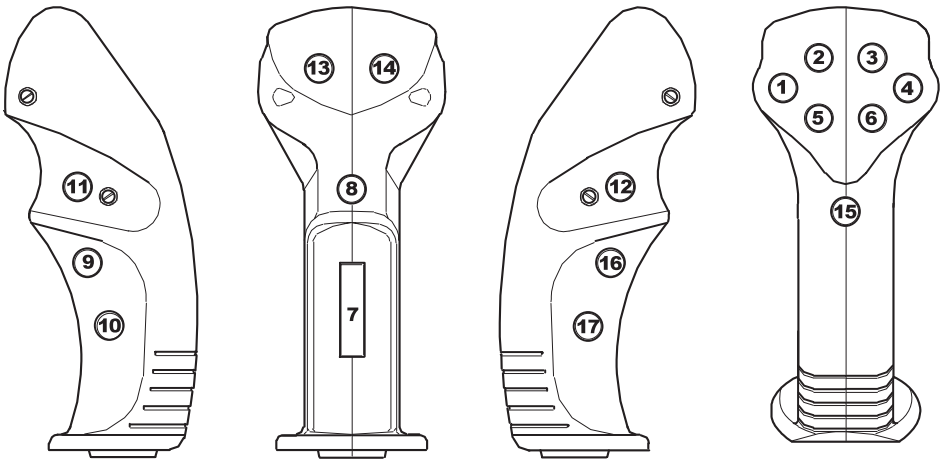


LUNGHEZZA CABLAGGIO L=4500mm / *CABLING LENGTH L=4500mm*

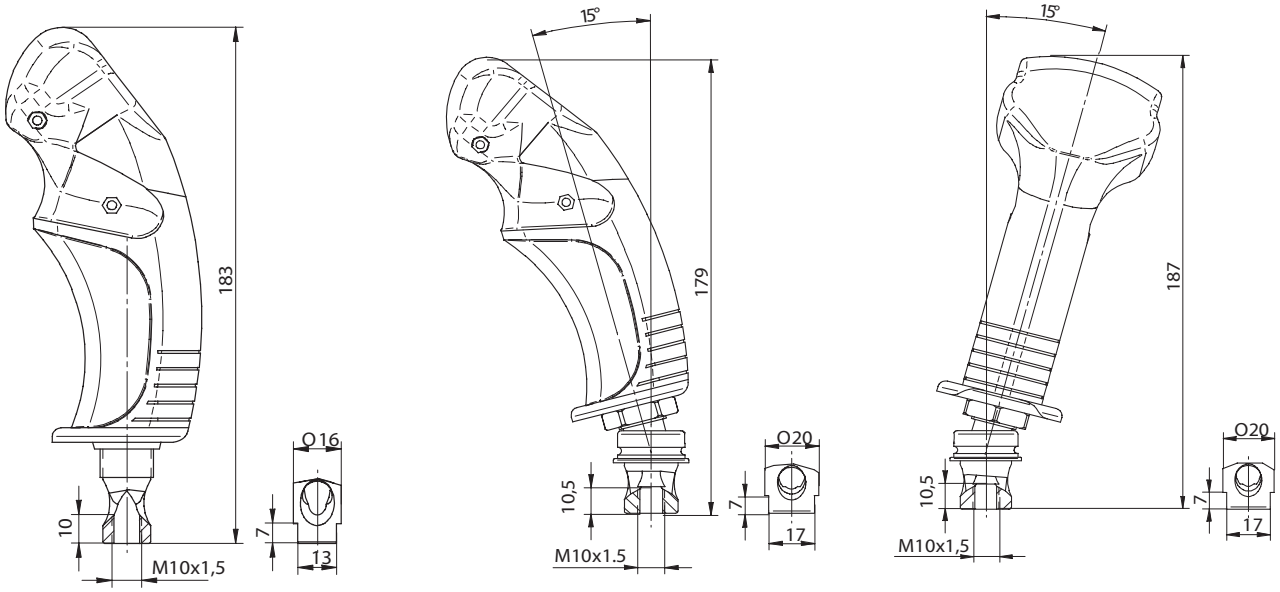


ESEMPIO DI APPLICAZIONI: CIMATRICI

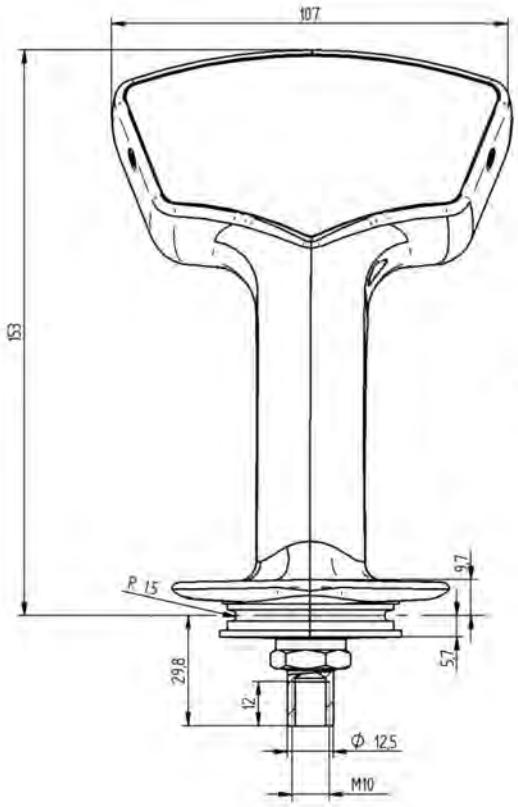
APPLICATION EXAMPLE: TRIMMERS

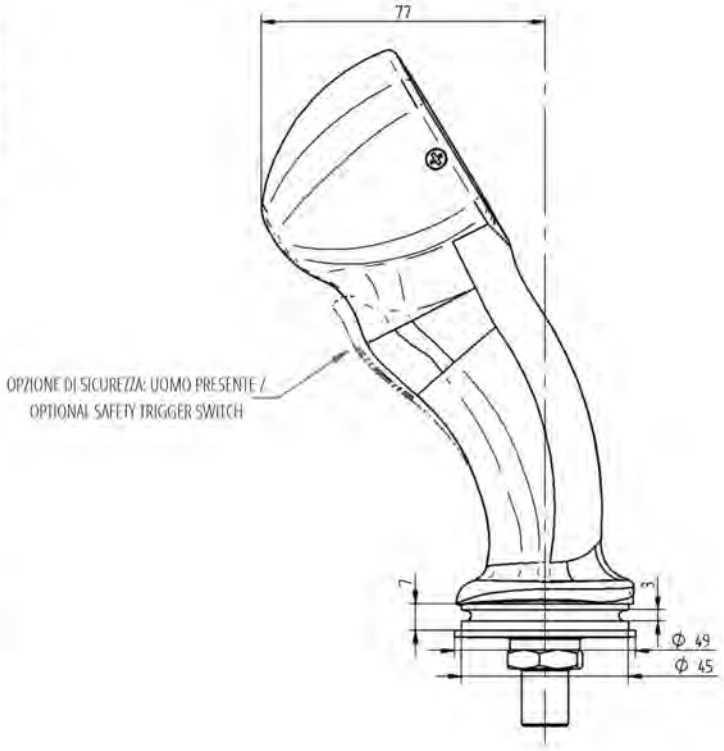


IMPUGNATURA ERGONOMICA MULTIFUNZIONE - RIDUTTORI DI MONTAGGIO
MULTIFUNCTION ERGONOMIC HANDLES - MOUNTING ADAPTERS

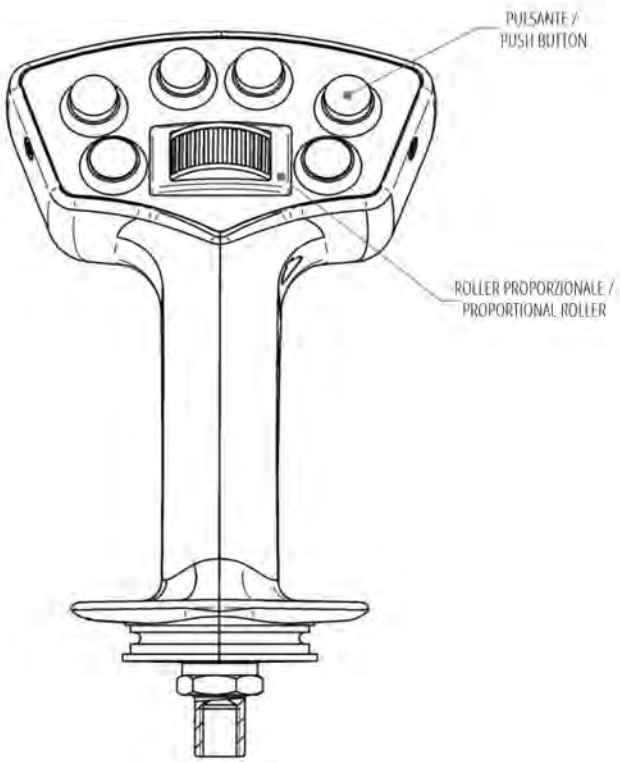


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107
153
P 15
97
57
29,8
12
Φ 125
M10


77
OPZIONE DI SICUREZZA: UOMO PRESENTE /
OPTIONAL SAFETY TRIGGER SWITCH
7
3
Φ 49
Φ 45


LED
PULSANTE /
PUSH BUTTON
INTERRUTTORE ROCKER /
ROCKER SWITCH


PULSANTE /
PUSH BUTTON
ROLLER PROPORZIONALE /
PROPORTIONAL ROLLER

INDICE ANALITICO
TABLE OF CONTENTS

A

AB1 ..... C-1
AB2 ..... C-1
AB3 ..... C-1
AB4 ..... C-1
AB4S C-1
AB5 ..... C-1
AB6 ..... C-2
AB6P C-2
AB7 ..... C-2
AB8 ..... C-2
AB9 ..... C-2
AB10 ..... C-2
AB11 ..... C-3
AB11A C-3
AB11F C-3
AB13 ..... C-3
AB14 ..... C-3
AB15 ..... C-3
AB16 ..... C-4
AB17 ..... C-4
AB19 ..... C-4
AB20 ..... C-4
AB21 ..... C-4
AB22 ..... C-4
AB23 ..... C-5
AB24 ..... C-5
AB25 ..... C-5
AB26 ..... C-5
AB27 ..... C-5
AB28 ..... C-6
AB29 ..... C-6

B

BMS E-18

C

C1 ..... D-1
C2 ..... D-1
C3 ..... D-1
C4 ..... D-1
C5 ..... D-1
C5S D-2
C6 ..... D-2
C7 ..... D-2
C8 ..... D-2
C9 ..... D-2
C10 ..... D-2
C10A D-3
C11 ..... D-3
C11SPD D-3
C12 ..... D-3
C13 ..... D-3
C14 ..... D-3
C15 ..... D-4
C15S D-4
C17 ..... D-4
COM...F E-26
COM...J E-26

H

H1 ..... E-5
H01F E-5
H2 ..... E-5
H3 ..... E-1
H5 ..... E-5
H6 ..... E-1
H7 ..... E-6
H8 ..... E-1
H9 ..... E-6
H10 ..... E-24
H10C E-24
H12 ..... E-14
H16 ..... E-1
H19 ..... E-1
H19A E-2
H19B E-2
H20 ..... E-8
H21 ..... E-14
H22 ..... E-14
H24 ..... C-7
H25 ..... C-7
H25A C-7
H25B C-7
H25E C-7
H26 ..... C-7
H26T C-7
H27 ..... E-14
H28 ..... C-8
H32 ..... E-14
H34 ..... E-6
H35 ..... E-2
H36 ..... E-2
H49 - H50 ..... E-8
H51 ..... E-2
H52 ..... E-6
H53 ..... E-8
H53S E-8
H53SC E-9
H53SM E-8
H54 - H55 ..... E-18
H56 ..... E-6
H57 ..... E-6
H61 ..... E-3
H61A E-7
H66 - H67 ..... E-18
H68 - H69 ..... E-18
H70 ..... E-15
H71 ..... E-15
H72 ..... E-20
H72A E-20
H72B E-21
H72C E-21
H72D E-22
H72I E-23
H73R1 ..... E-15
H74R1 ..... E-16
H75 - H76 ..... E-16
H77 - H78 ..... E-17
H83 ..... E-9
H84 ..... E-9
H88 ..... E-16
H89 ..... E-16
H90 - H91 ..... E-9

P

P1D B-1
P1S B-1
P2D B-1
P2S B-1
P3D B-2
P3S B-1
P4D B-2
P4S B-1

R

R1 ..... E-3
R2 ..... E-3
R3 ..... E-3
R4 ..... E-3
R4/G E-4
R4/R E-3
R4/V E-4
R5 ..... E-7
R6 ..... E-4
R8 ..... E-7
R9 ..... E-7
R10 ..... E-7
RXVE E-26

S

STC E-24

T

TCC E-24

V

VBT E-19
VPF E-18
VRF E-19

Z

Z6 - Z7 ..... E-10
Z8 ..... E-12
Z9 ..... E-12
Z12 ..... E-12
Z13 ..... E-13
Z15 ..... E-12
Z16 ..... E-12
Z24 ..... E-13
Z30 ..... E-13
Z31 ..... E-13
Z48 - Z49 ..... E-11
Z50 ..... E-11

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OLEODINAMICA
AMI
since 1959

DISTRIBUTORE COMPONIBILE ELETTRICO
ELECTRIC SECTIONAL CONTROL VALVES

DB3C/DB3



Valvole componibili ON/OFF per controllo direzione con elementi in fusione di ghisa
Bankable ON/OFF directional control valves with cast iron elements

Valvole componibili PROPORZIONALI per controllo direzione
Bankable PROPORTIONAL directional control valve

Valvole componibili PROPORZIONALI COMPENSATE con controllo portata
Bankable PROPORTIONAL COMPENSATED flow regulators

Valvole ON/OFF disponibili in due dimensioni, con ridotte dimensioni di ingombro o per alte portate
ON/OFF valves available in two sizes, with reduced overall dimension or for high flow rates

Disponibile per circuiti in parallelo o in serie
Available for parallel or series circuits

Corpo disponibile con attacchi filettati o interfaccia per valvole modulari
Available with housing with threaded ports or interfaces for modular valves

Disponibile per circuiti Load Sensing
Available for Load sensing circuits

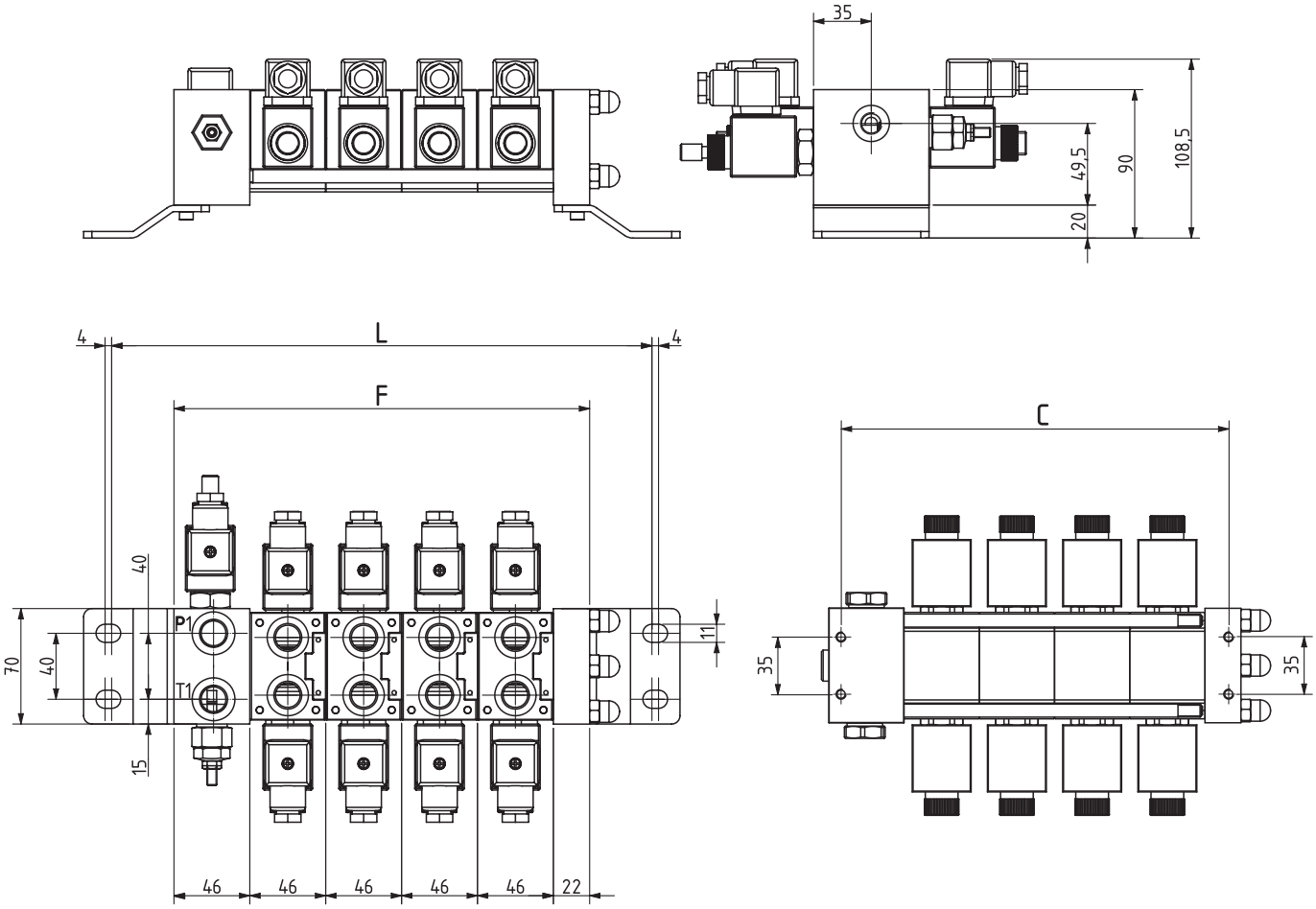
Trattamento antiruggine sugli elementi
Rust-preventive treatment on the elements

CONDIZIONI DI LAVORO
WORKING CONDITIONS

	DB3C	DB3
Portata nominale *Nominal flow rate*	**30 l/min; 8 gpm**	**50 l/min; 13 gpm**
Pressione MAX di esercizio *MAX working pressure*	**310 bar; 4500 psi**	**310 bar; 4500 psi**
Contropressione MAX allo scarico *MAX return backpressure*	**210 bar; 3048 psi**	**210 bar; 3048 psi**
Valvola di MAX PRESSIONE standard tarabile *Standard PRESSURE RELIEF valve, may be set*	**da 20 ÷ 250 bar**	**da 50 ÷ 310 bar**
Viscosità fluido *Fluid viscosity*	**12 ÷ 400 mm^2/s**	**12 ÷ 400 mm^2/s**
Temperatura fluido con guarnizioni NBR *Fluid temperature with NBR gaskets*	**-30°C ÷ +80°C**	**-30°C ÷ +80°C**
Temperatura ambiente *Ambient temperature*	**-20°C ÷ +50°C**	**-20°C ÷ +50°C**
Fuga interna massima A(B) –>T Ap=100 bar *Maximum internal leakage A(B) –>T Ap=100 bar*	**13 cm^3/min**	**13 cm^3/min**
Peso elemento con 1 bobina *Element weight with 1 coil*	**kg 1,200**	**kg 1,400**
Peso elemento con 2 bobine *Element weight with 2 coils*	**kg 1,450**	**kg 1,900**
Coppia di serraggio per tiranti *Tightening torque for tie rods*	**kg 1,500**	**kg 1,500**

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DIMENSIONI DI INGOMBRO E MONTAGGIO STAFFE
OVERALL DIMENSIONS AND MOUNTING BRACKETS

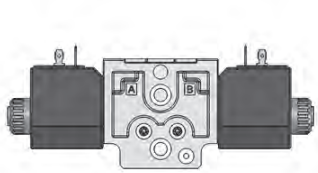


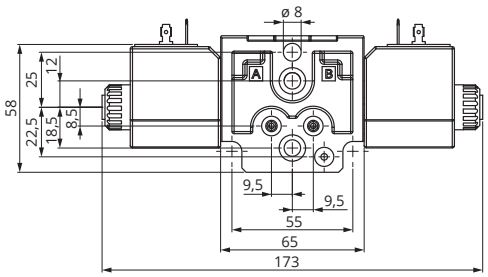
Numero elementi *Elements No*	DB3C-P DB3-P (Parallelo/*Parallel*)			DB3C-S DB3-S (Serie/*Series*)		
	F	L	C	F	L	C
1	114	189,5	99	127	202,5	99
2	160	235,5	145	173	248,5	145
3	206	281,5	191	219	294,5	191
4	252	327,5	237	265	340,5	237
5	298	373,5	283	311	386,5	283

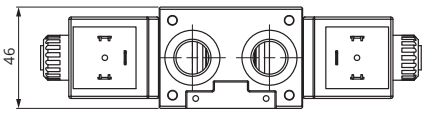
FILETTATURE STANDARD / *STANDARD THREADS*

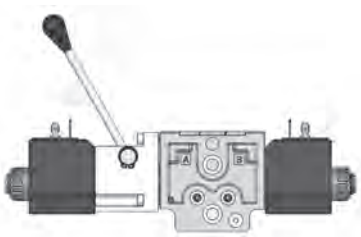
	DB3C	*DB3*
P	**G3/8"; SAE6**	**G1/2"; SAE8**
A	**G3/8"; SAE6**	**G3/8"; SAE6**
B	**G3/8"; SAE6**	**G3/8"; SAE6**
T	**G3/8"; SAE6**	**G1/2"; SAE8**

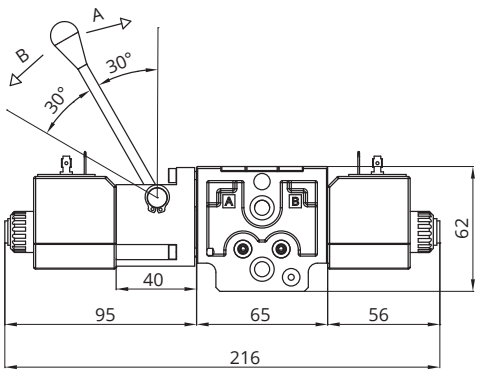
DIMENSIONI DI INGOMBRO ELEMENTO DB3C (PER PORTATE FINO A 30 L/MIN)
DB3C OVERALL DIMENSIONS (FLOW RATE 30 L/MIN)

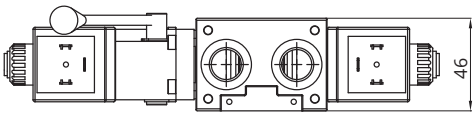




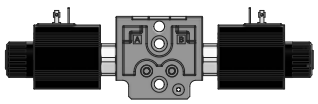


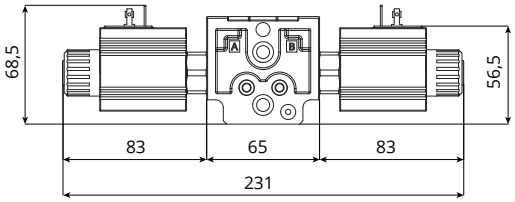


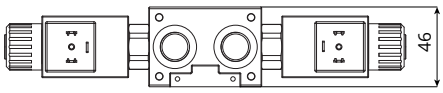




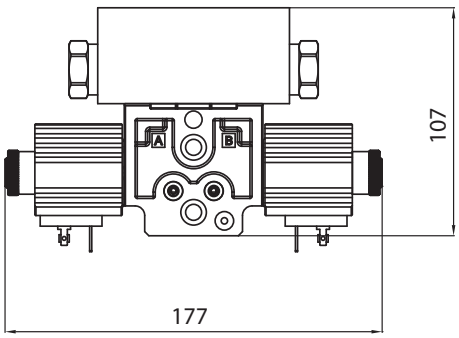
DIMENSIONI DI INGOMBRO ELEMENTO DB3 (PORTATE FINO A 50 L/MIN E PER CIRCUITO IN SERIE)
DB3 OVERALL DIMENSIONS (FLOW RATES 50 L/MIN AND FOR SERIES CIRCUIT)

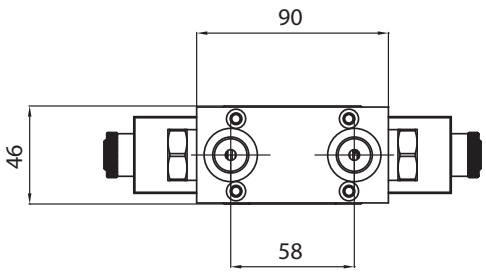






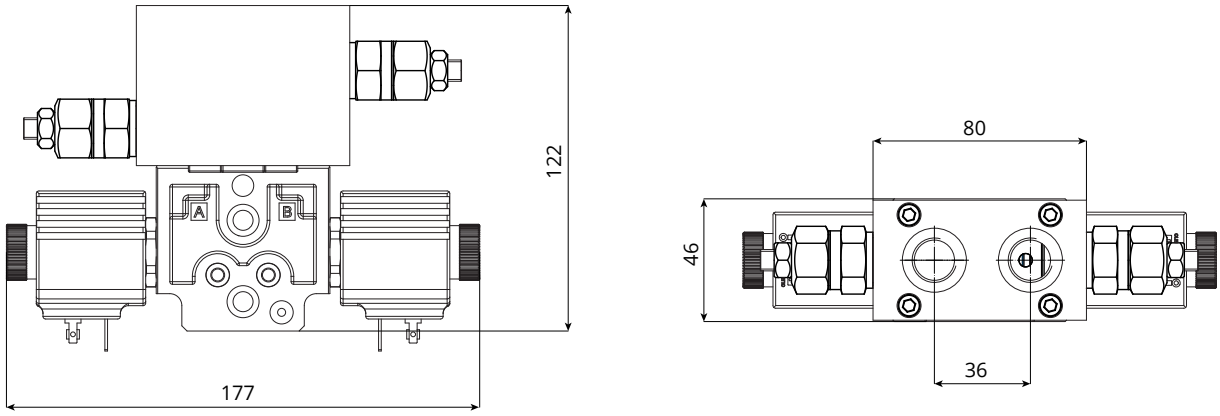
COMPLESSIVO VALVOLA DI BLOCCO CON BOBINE (Z16)
CHECK VALVE WITH COILS SET (Z16)



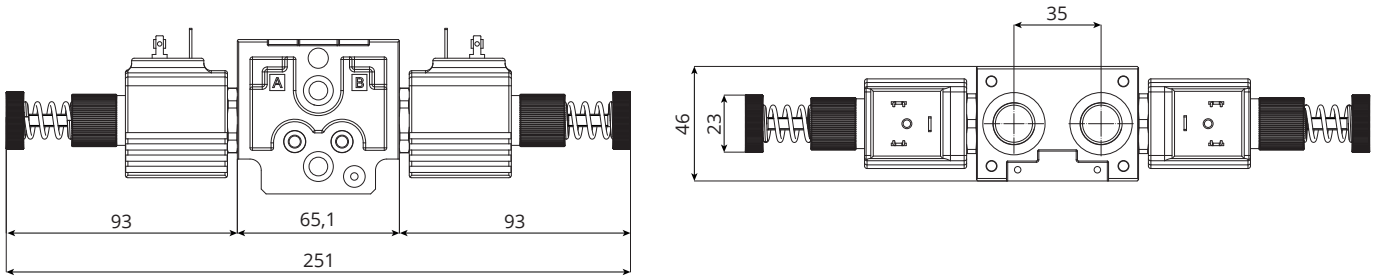


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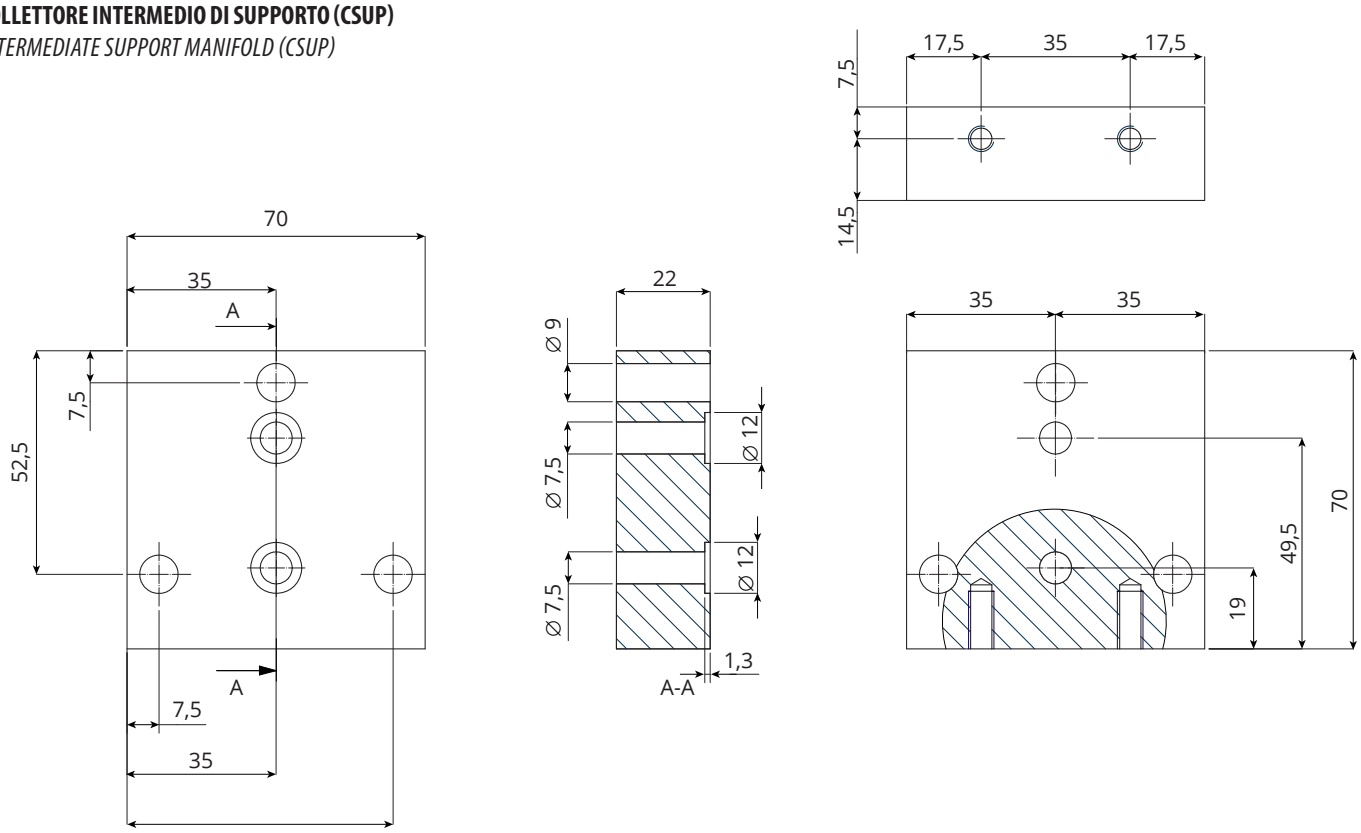
COMPLESSIVO CON VALVOLE DI MASSIMA PRESSIONE A SCARICO INCROCIATO (Z13)
ASSEMBLY PRESSURE RELIEF VALVES WITH CROSS RETURN (Z13)



COMPLESSIVO CON EMERGENZA MANUALE A VITE
ASSEMBLY WITH EMERGENCY MANUAL OVERRIDE



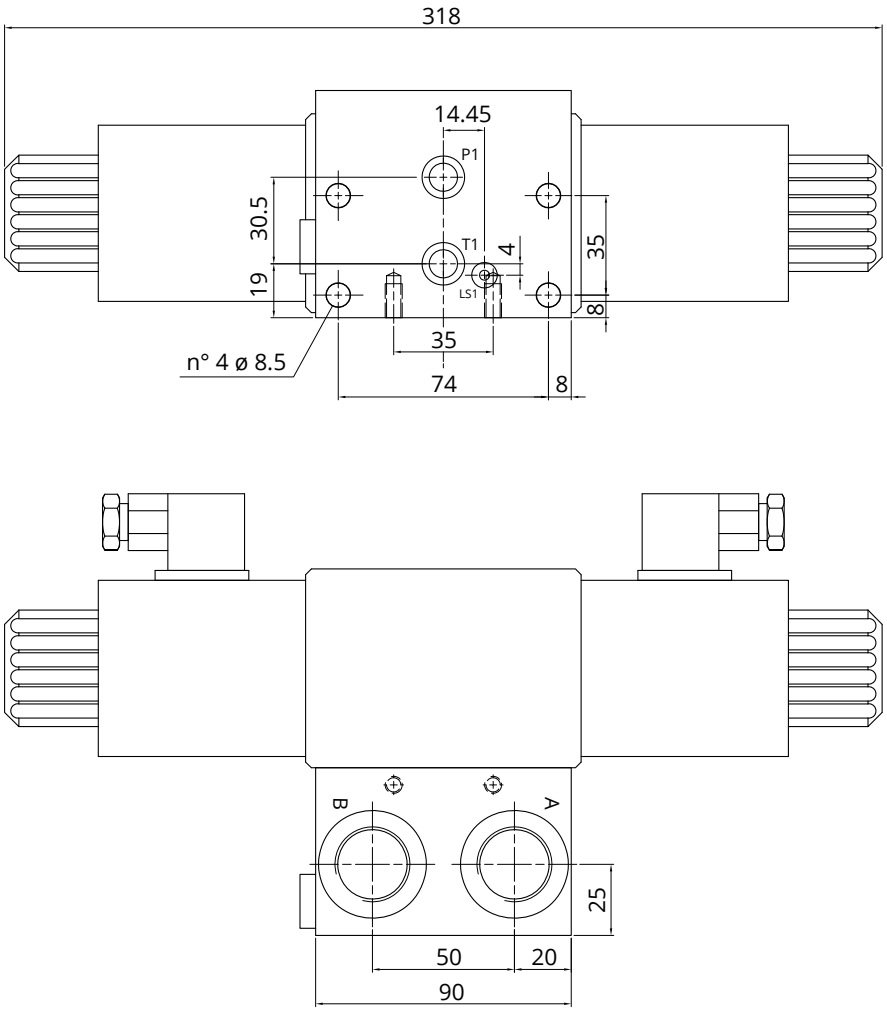
COLLETTORE INTERMEDIO DI SUPPORTO (CSUP)
INTERMEDIATE SUPPORT MANIFOLD (CSUP)

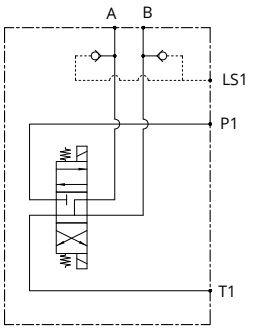


N.B. PER DISTRIBUTORE BANCABILE CON PIÙ DI 10 ELEMENTI
N.B. FOR VALVE BANKS WITH MORE THAN 10 ELEMENTS

ELEMENTO LOAD SENSING FLANGIABILE SU FI16, PREDISPOSTO PER VALVOLA CETOP 5

LOAD-SENSING SECTION SUITABLE FOR FLANGE MOUNTING ON FI16, WITH MOUNTING INTERFACE FOR A CETOP 5 VALVE

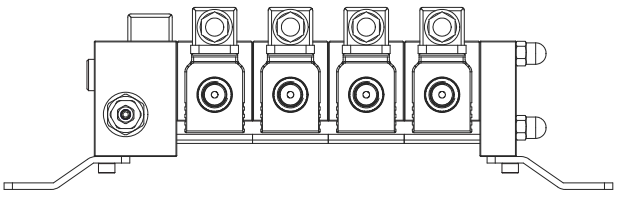


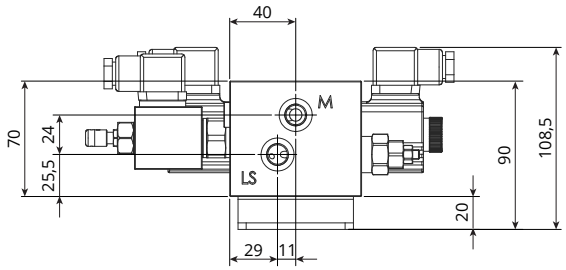


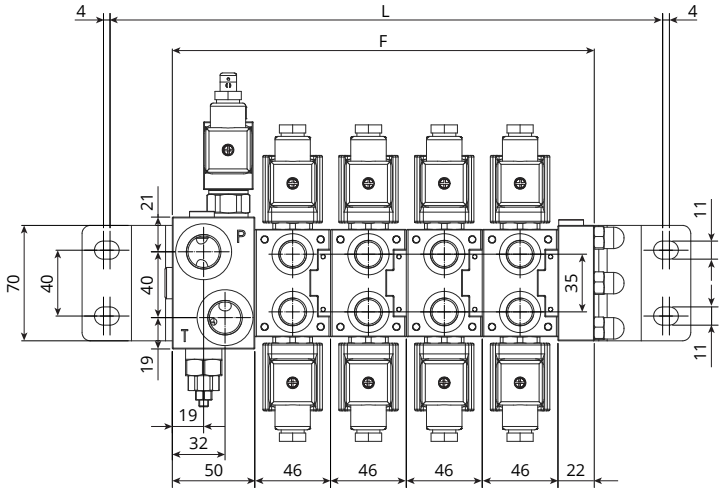
PORTATA/*FLOW RATE*: 120 L/MIN
UTILIZZI/*PORTS*: 3/4" GAS

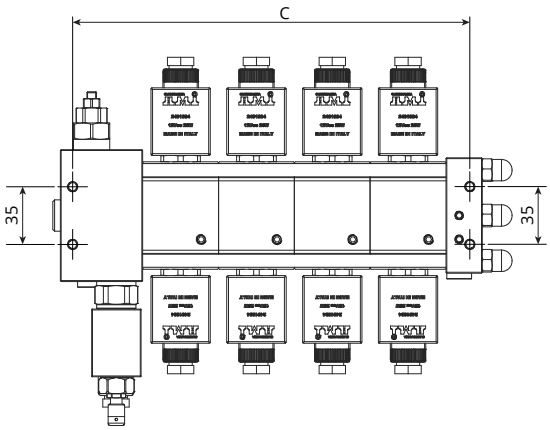
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DIMENSIONI DI INGOMBRO E MONTAGGIO STAFFE
OVERALL DIMENSIONS AND MOUNTING BRACKETS









Numero elementi *Elements No*	DB3C DB3-LS		
	F	**L**	**C**
1	118	197,5	103
2	164	243,5	149
3	210	289,5	195
4	256	335,5	241
5	302	381,5	287

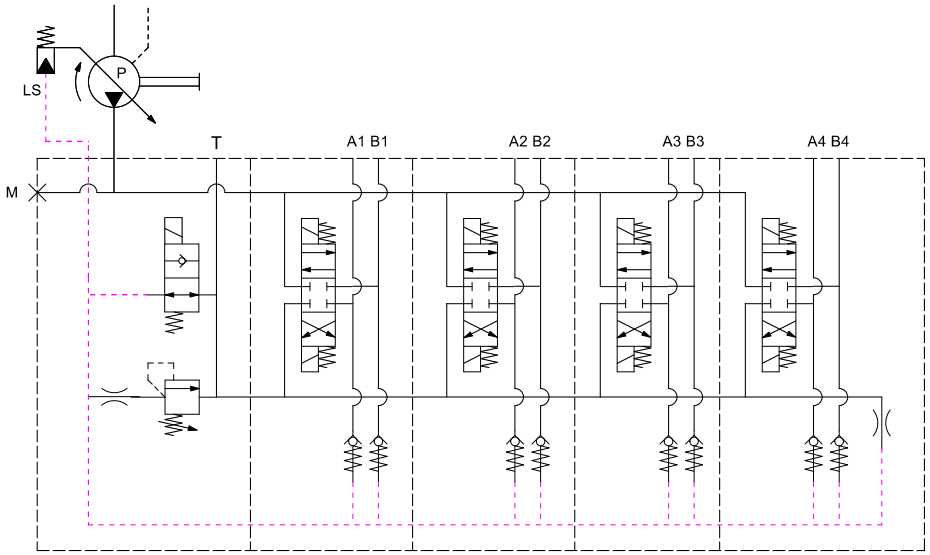
FILETTATURE STANDARD / *STANDARD THREADS*

	DB3C/DB3-LS
P	**G1/2" SAE8**
A	**G3/8" SAE6**
B	**G3/8" SAE6**
T	**G1/2" SAE8**

DISTRIBUTORE COMPONIBILE ELETTRICO LOAD-SENSING
ELECTRIC LOAD-SENSING SECTIONAL CONTROL VALVES

CONDIZIONI DI LAVORO
WORKING CONDITIONS

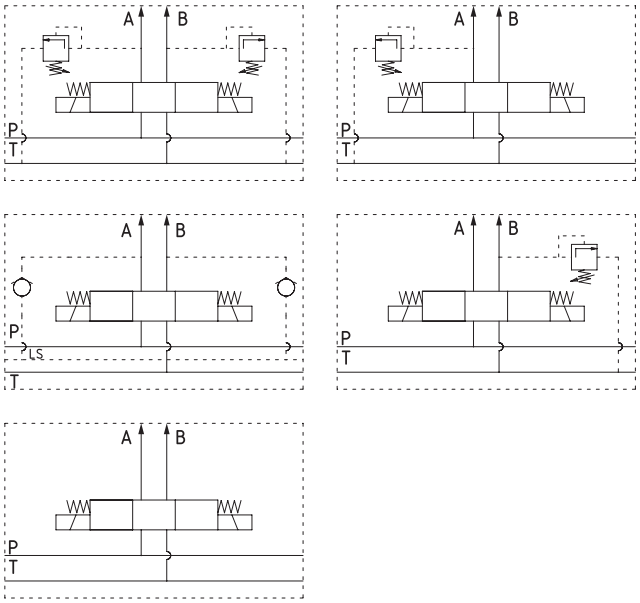
	DB3C-DB3/LS
Portata nominale / *Nominal flow rate*	**30 l/min; 50 l/min**
Pressione MAX di esercizio / *MAX working pressure*	**250 bar**
Contropressione MAX allo scarico / *MAX return backpressure*	**10 bar**
Valvola di MAX PRESSIONE standard tarabile / *Standard PRESSURE RELIEF valve, may be set*	**da 20 ÷ 250 bar**
Viscosità fluido / *Fluid viscosity*	**12 ÷ 400 mm²/s**
Temperatura fluido con guarnizioni NBR / *Fluid temperature with NBR gaskets*	**-30°C ÷ +80°C**
Temperatura ambiente / *Ambient temperature*	**-20°C ÷ +50°C**
Fuga interna massima A(B) –>T Ap=100 bar / *Maximum internal leakage A(B) –>T Ap=100 bar*	**13 cm³/min**
Peso elemento con 1 bobina / *Element weight with 1 coil*	**kg 1,200**
Peso elemento con 2 bobine / *Element weight with 2 coils*	**kg 1,450**



DB3C-DB3

Configurazione elemento con o senza valvole di massima secondarie, con o senza connessione LS

Element configuration with or without secondary relief valves, with or without LS connection



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ESEMPIO DI ORDINAZIONE
EXAMPLE OF ORDER

DB3C/5/P/ | **FI02-1-V160-00/** | **E01B0-12V-00x4/** | **E02B1-12V-00/** | **FC/** | **STF1**

1 2 3 4 5 6

DB3C: modello DB3C=30 litri; DB3=50 litri/*type DB3C=30 liters; DB3=50 liters*

1 **5: nr. elementi**/*n. elements*

P: tipo circuito (P=parallelo, S=serie)/*circuit type (P=parallel; S= in series)*

FI02: tipo fiancata di ingresso/*inlet element type*

1: filettatura fiancata di ingresso (1=3/8"; 2=1/2")/*inlet element thread (1=3/8"; 2=1/2")*

2 **V: regolazione valvola di massima pressione (V=vite; VP=vite+pomello; VS=vite+protezione)**/
pressure relief valve adjustment (V=screw; VP=screw+knob; VS=screw+cover)

160: taratura della valvola di massima pressione/*pressure relief valve calibration*

00: tipo di guarnizioni (00=NBR; V=Viton)/*gasket type (00=NBR; V=Viton)*

E: tipo comando (E=elettrico; M=meccanico; EM=elettrico-meccanico)/*control type (E=electric; M=mechanical; EM=electrical-mechanical)*

01: tipo cursore/*spool type*

3 **B0: tipo montaggio**/*assembly type*

12V: tensione bobina/*coil voltage*

00: tipo di guarnizioni (00=NBR; V=Viton)/*gasket type (00=NBR; V=Viton)*

E: tipo comando (E=elettrico; M=meccanico; EM=elettrico-meccanico)/*control type (E=electric; M=mechanical; EM=electrical-mechanical)*

02: tipo cursore/*spool type*

4 **B1: tipo montaggio**/*assembly type*

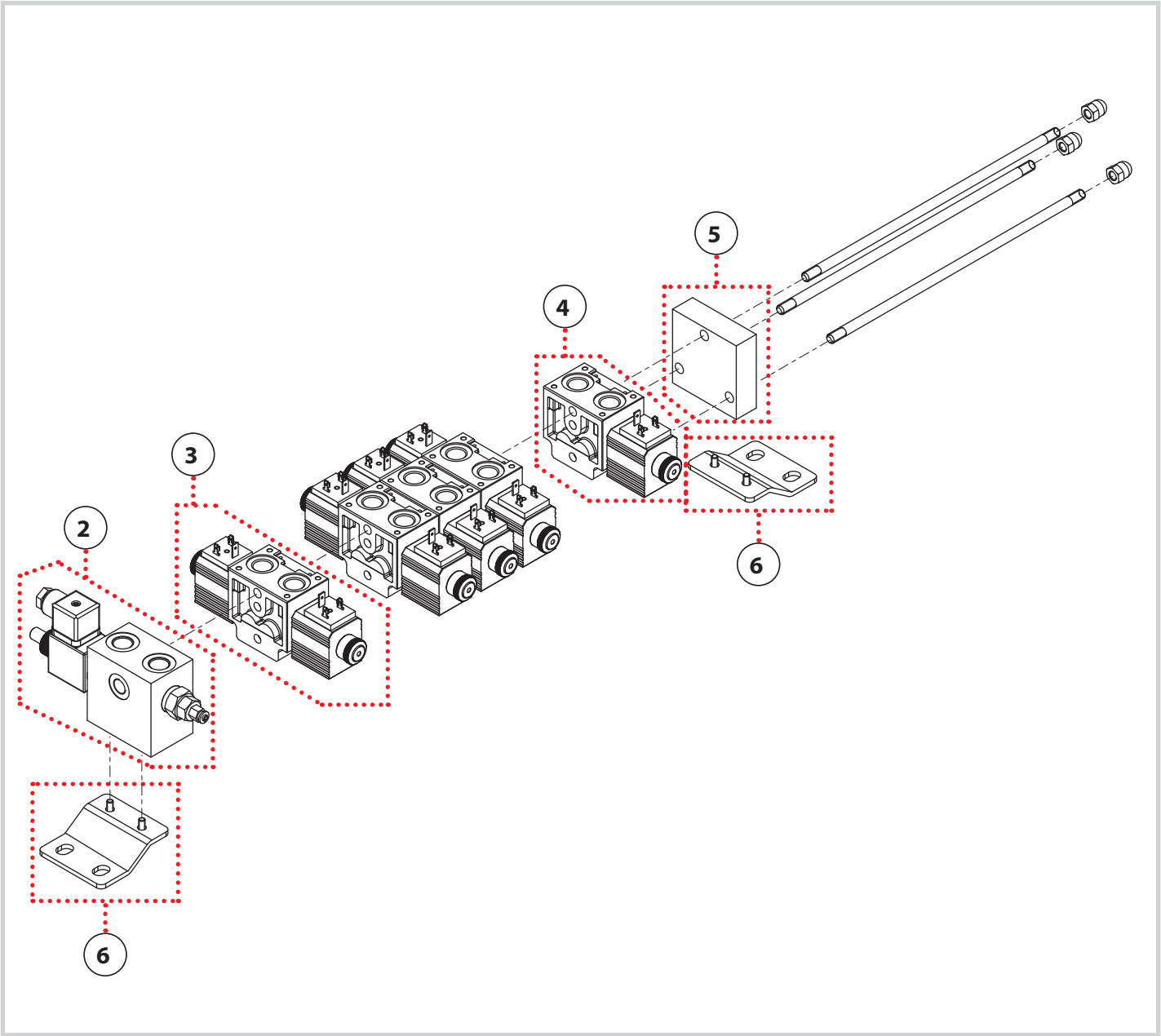
12V: tensione bobina/*coil voltage*

00: tipo di guarnizioni (00=NBR; V=Viton)/*gasket type (00=NBR; V=Viton)*

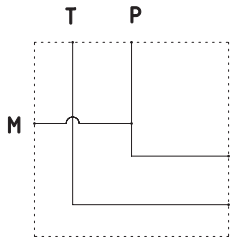
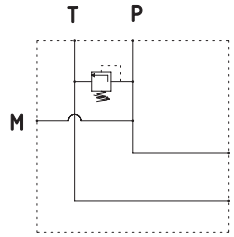
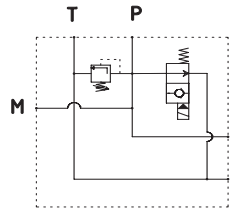
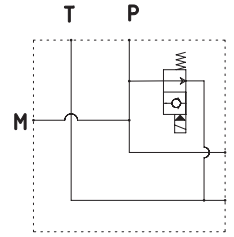
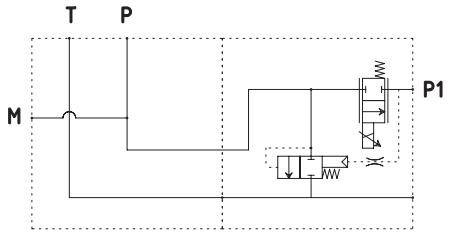
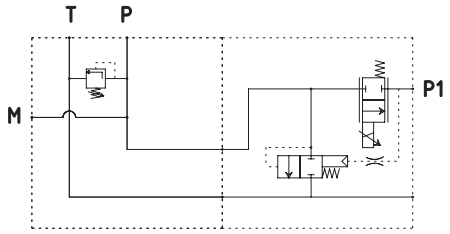
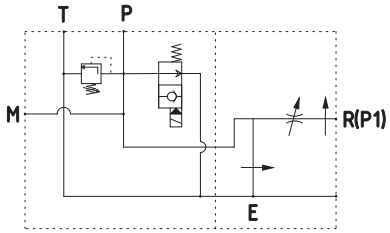
5 **FC: fiancata di chiusura (FC=std parallelo; FC1=serie DB3C; FC2=serie DB3)**/*closure element (FC=std parallel; FC1=in series DB3C; FC2=in series DB3)*

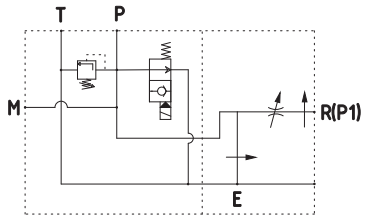
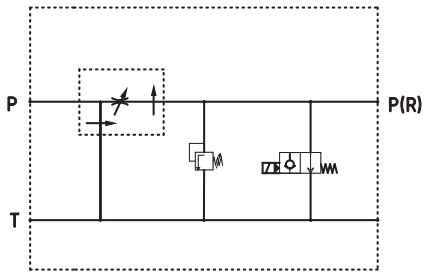
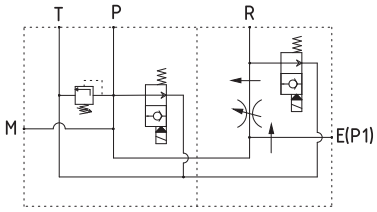
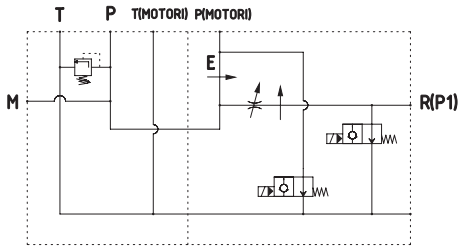
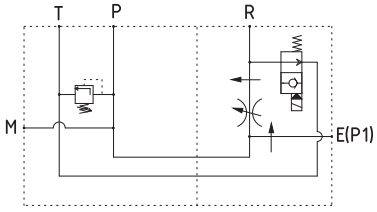
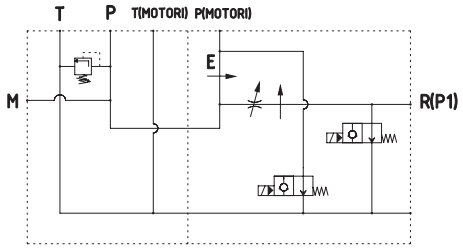
6 **STF1: staffe di fissaggio (STF1=staffe per fissaggio laterale; STF2=staffe per fissaggio)**
attachment brackets (STF1=brackets for side attachment; STF2=attachment brackets)

ESEMPIO DI ORDINAZIONE
EXAMPLE OF ORDER

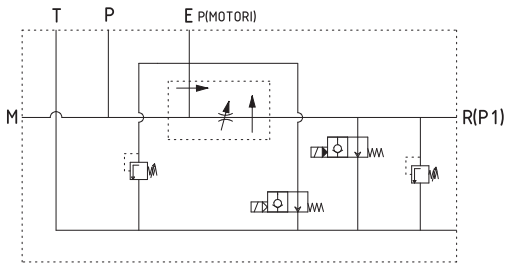
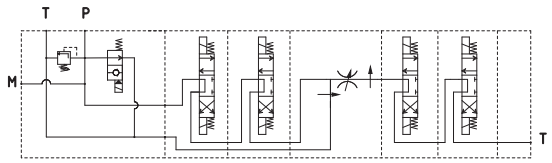
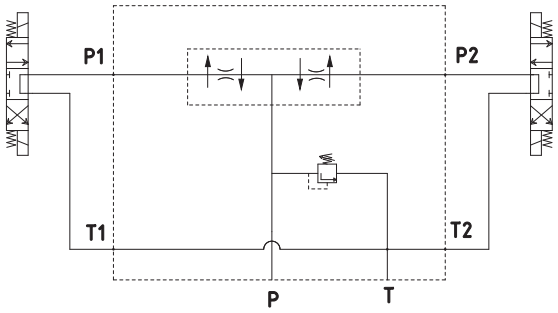
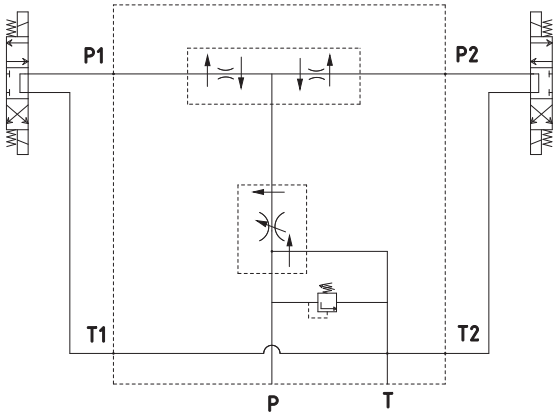
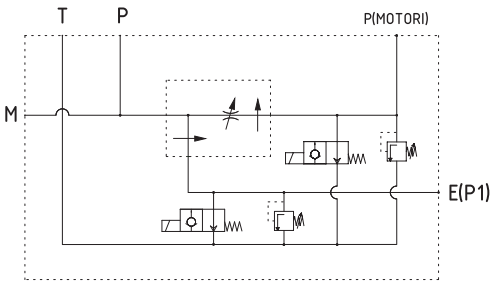
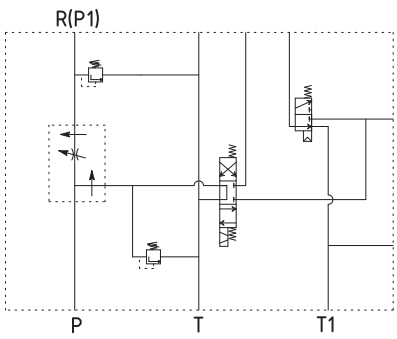


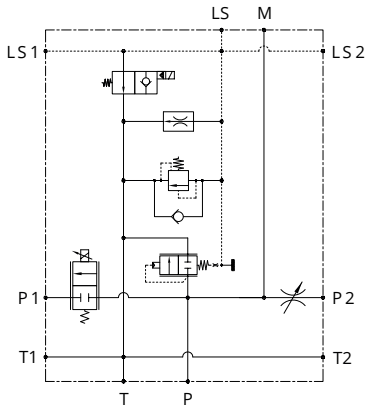
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FI00		**fiancata di ingresso senza valvole** *inlet element without valves*
FI01		**fiancata di ingresso con valvola di massima pressione generale con taratura regolabile** *inlet element with general pressure relief valve with adjustable calibration*
FI02		**fiancata di ingresso con valvola di massima pressione generale e valvola di messa a scarico** *inlet element with general pressure relief valve and unloading valve*
FI03		**fiancata di ingresso con valvola di messa a scarico** *inlet element with unloading valve*
FI04		**fiancata di ingresso senza valvola di massima pressione generale con compensatore e valvola proporzionale 12-24Vcc, per portata fino a 35 lt/min** *inlet element without general pressure relief valve with compensator and 12-24V DC proportional valve, for flow rates up to 35 lt/min*
FI05		**fiancata di ingresso con valvola di massima pressione generale, compensatore e valvola proporzionale, per portata fino a 35 lt/min** *inlet element with general pressure relief valve, compensator and proportional valve, for flow rates up to 35 lt/min*
FI06		**fiancata di ingresso con valvola di massima pressione generale, valvola di messa a scarico e regolatore 3 vie** **(30 lt; Regolato => servizi; Eccedenza => scarico)** *inlet element with general pressure relief valve, unloading valve and 3-way regulator (30 l; Regulated => elements; Excess => draining)*

FI07		**fiancata di ingresso con valvola di massima pressione generale, valvola di messa a scarico e regolatore 3 vie** **(50 lt; Regolato => servizi; Eccedenza => scarico)** *inlet element with general pressure relief valve, unloading valve and 3-way regulator* *(50 l; Regulated => elements; Excess => draining)*
FI07B		**fiancata di ingresso con valvola di massima pressione generale, valvola di messa a scarico e regolatore 3 vie compensato** **(90 lt; Regolato => servizi; Eccedenza => scarico)** *inlet element with general pressure relief valve, unloading valve and compensated 3-way regulator* *(90 l; Regulated => elements; Excess => draining)*
FI08		**fiancata di ingresso con valvola di massima pressione generale, due valvole di messa a scarico e regolatore 3 vie** **(30 lt; Regolato => motori; Eccedenza => servizi)** **Solo con circuito in serie.** *inlet element with general pressure relief valve, two unloading valves and 3-way regulator* *(30 l; Regulated => motors; Excess => elements)* *Only with circuit in series.*
FI08A		**fiancata di ingresso con valvola di massima pressione generale, due valvole di messa a scarico e regolatore 3 vie** **(30 lt; Regolato => servizi; Eccedenza => motori)** *inlet element with general pressure relief valve, two unloading valves and 3-way regulator* *(30 l; Regulated => elements; Excess => motors)*
FI08C		**fiancata di ingresso con valvola di massima pressione generale, valvola di messa a scarico e regolatore 3 vie** **(30 lt; Regolato => motori; Eccedenza => servizi)** **Solo con circuito in serie** *inlet element with general pressure relief valve, unloading valve and 3-way regulator* *(30 l; Regulated => motors; Excess => elements)* *Only with circuit in series*
FI09		**fiancata di ingresso con valvola di massima pressione generale, due valvole di messa a scarico e regolatore 3 vie compensato** **(50 lt; Regolato => servizi; Eccedenza => motori)** *inlet element with general pressure relief valve, two unloading valves and 3-way compensated regulator* *(50 l; Regulated => elements; Excess => motors)*

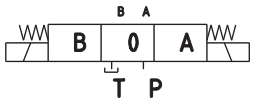
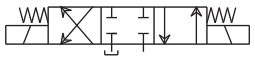
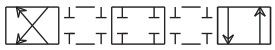
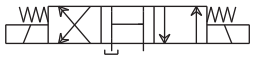
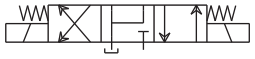
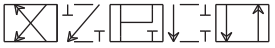
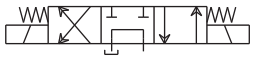
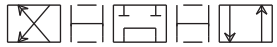
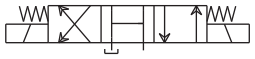
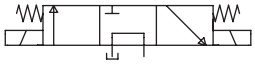
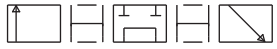
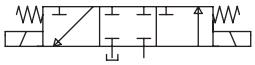
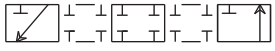
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FI10D		**fiancata di ingresso con due valvole di massima pressione, due valvole di messa a scarico e regolatore 3 vie compensato (50 lt; Regolato => servizi; Eccedenza => motori)** *inlet element with two pressure relief valves, two unloading valves and 3-way compensated regulator (50 lt; Regulated => elements; Excess => motors)*
FI11		**fiancata di ingresso con valvola di massima pressione generale, valvola di messa a scarico; fori per scarico eccedenza. Solo con circuito in serie e abbinato a elemento VRP (valvola regolatrice di portata)** *inlet element with general pressure relief valve, unloading valve; holes for excess drainage. Only with circuit in series and coupled to VRP (flow rate regulator valve) element*
FI12		**fiancata di ingresso con divisore di portata e valvola di massima pressione generale. Solo con circuito in serie (40 litri)** *inlet element with flow rate regulator and general pressure relief valve. Only with circuit in series (40 litres)*
FI13		**fiancata di ingresso con VRF 60 litri (valvola regolatrice di flusso) sulla linea P, divisore di portata e valvola di massima pressione generale. Solo con circuito in serie** *inlet element with 60-litres VRF (flow regulator valve) on the P line, flow rate regulator and general pressure relief valve. Only with circuit in series*
FI14		**fiancata di ingresso con due valvole di massima pressione, due valvole di messa a scarico e regolatore 3 vie compensato (50 lt; Regolato => motori; Eccedenza => servizi)** *inlet element with two pressure relief valves, two unloading valves and 3-way compensated regulator (50 lt; Regulated => motors; Excess => elements)*
FI15		**fiancata di ingresso con due valvole di massima pressione, una valvola elettrica 4 vie, una valvola elettrica 3 vie e regolatore 3 vie compensato. Solo con circuito in serie (Regolato => servizi; Eccedenza => motori)** *inlet element with two pressure relief valves, one 4-ways electric valve, one 3-ways electric valves and 3-way compensated regulator. Only with circuit in series (Regulated => elements; Excess => motors)*

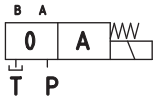
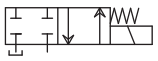
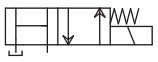
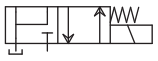
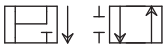
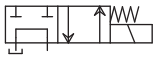
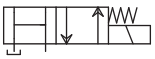
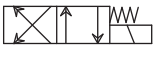
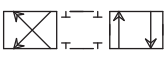
FI16		**fiancata di ingresso Load Sensing con funzione di stand-by, regolazione della portata e gestione del segnale LS con limitazione della pressione; Portata ingresso: P:120 l/min, P1:0-100 l/min P2:0-30 l/min; P – T= 3/4" Gas** *Load-Sensing inlet section with standby function, flow rate adjustment and LS signal management with pressure limitation; Inlet flow rate: P: 120 l/min, P1: 0-100 l/min, P2: 0-30 l/min; P – T: 3/4" BSP*

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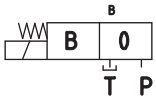
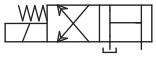
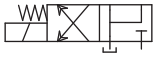
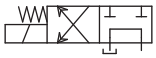
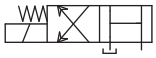
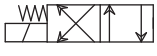
DUE SOLENOIDI RITORNO A MOLLA (B0)
Two solenoids, spring center

CODICE *Code*		RICOPRIMENTO *Covering*	POSIZIONE DI TRANSITO *Transient position*
01		+	
02		–	
03		+	
04		–	
04H		–	
06		–	
07		+	

TIPO COMANDO, TIPO CURSORE E TIPO MONTAGGIO
CONTROL TYPE, SPOOL TYPE AND ASSEMBLY TYPE

UN SOLENOIDE LATO A (B1) *One solenoid, side A (B1)*			
CODICE *Code*		RICOPRIMENTO *Covering*	POSIZIONE DI TRANSITO *Transient position*
01		+	
02		–	
03		+	
04		–	
04H		–	
05		+	

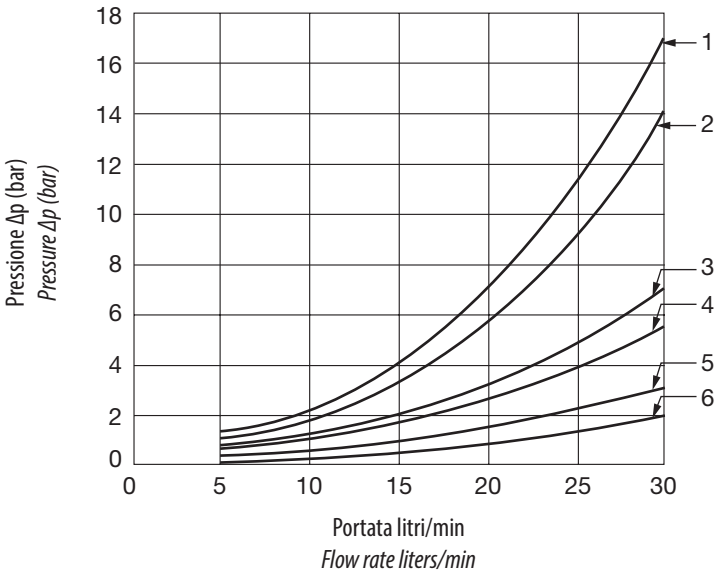
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UN SOLENOIDE LATO B (B2) *One solenoid, side B (B2)*			
CODICE *Code*		RICOPRIMENTO *Covering*	POSIZIONE DI TRANSITO *Transient position*
01		+	
02		–	
03		+	
04		–	
04H		–	
05		+	

CURVE
CURVES

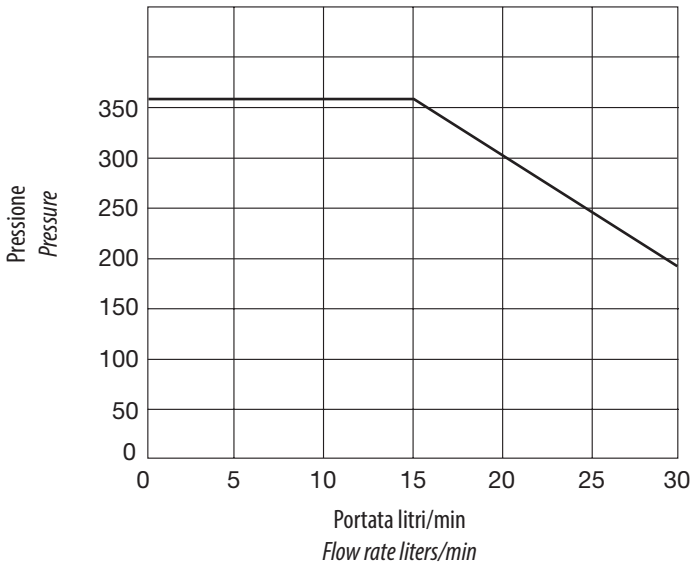
PERDITE DI CARICO
HEAD LOSS

Il fluido impiegato è un olio minerale ISO-VG32 a 45°C ± 5°C.
Temperatura ambiente 20°C.
The employed fluid is a mineral oil ISO-VG32 at 45°C ± 5°C.
Ambient temperature 20°C.



TIPO DI CURSORE *SPOOL TYPE*	PASSAGGI *PASSAGES* P –> T	P –> A	P –> B	A –> T	B –> T
04;04B1;04B2	3	2	2	1	1
01;01B1;01B2		5	5	5	5
02;02B1;02B2	5	4	4	6	6
03;03B1;03B2		5	5	4	4

LIMITI DI IMPIEGO
LIMITATIONS TO USE



TIPO DI CURSORE
SPOOL TYPE

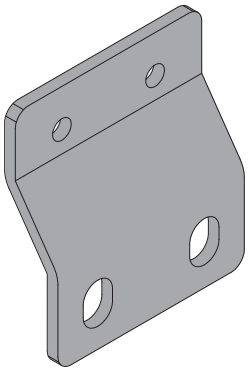
Ø1; Ø2; Ø3; Ø4

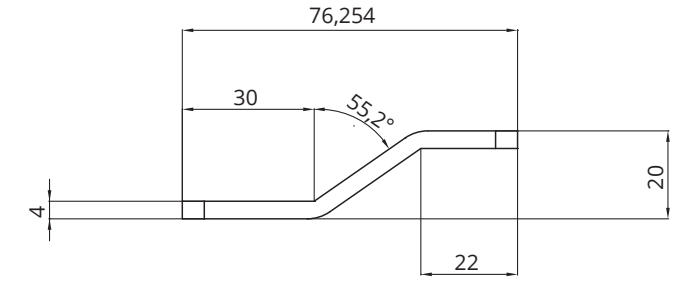
Le curve di impiego sono testate con il flusso di olio che attraversa la valvola da P –> A e da B –> T
The employed curves are tested with the oil flow that crosses the valve from P –>A and from B –>T

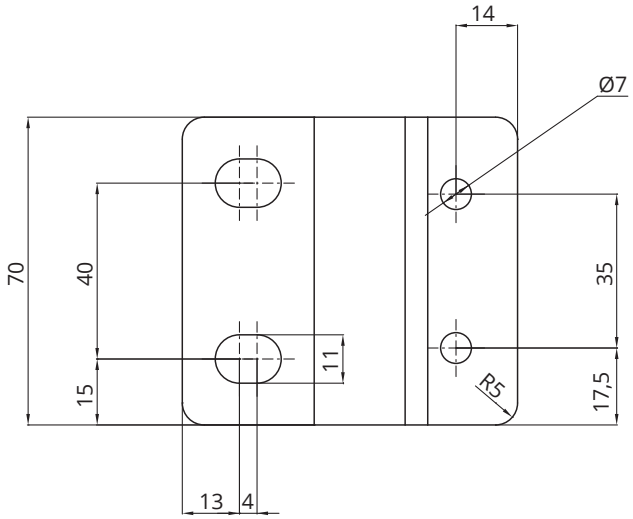
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ACCESSORI
ACCESSORIES

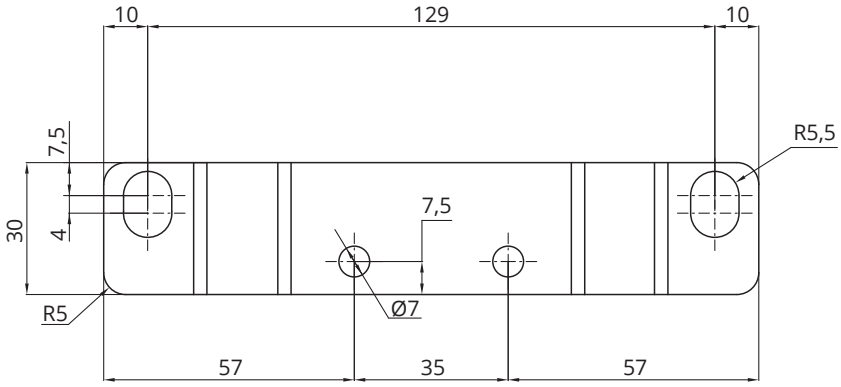
Staffe di fissaggio/*Attachment brackets* **STF1**

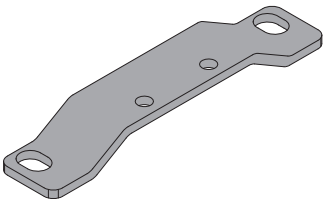


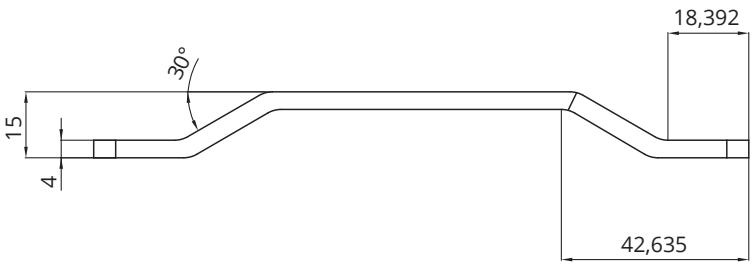




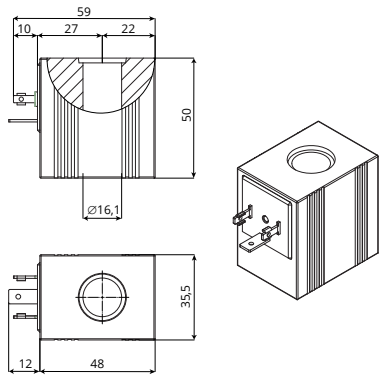
Staffe di fissaggio/*Attachment brackets* **STF2**





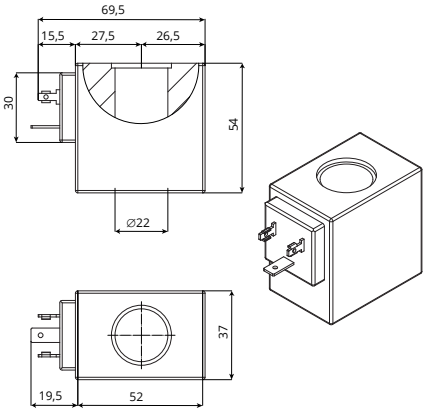


Comando elettrico On-Off versione H70/H71 e H88/H89 per Ami 3/4/21R/250/DB3/DB3C
On-Off electric control H70/H71-H88/H89 Versions for Ami 3/4/21R/250/DB3/DB3C



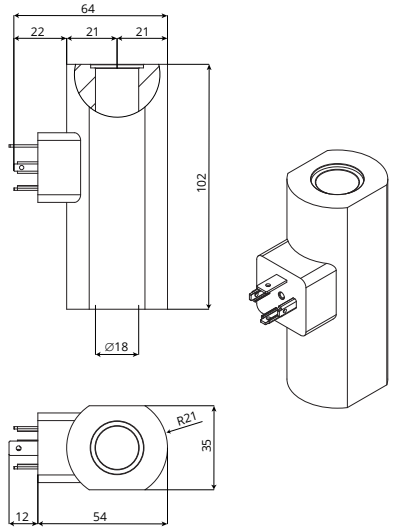
Caratteristiche *Technical Data*	H70 - H88	H71 - H89
Volt	12 Vdc	24 Vdc
Watt	36 W	36 W
Ampere	3 A	1,5 A
Temperatura di utilizzo *Temperature range*	da -30 °C a +50°C	
Connessioni elettriche *Electrical Connections*	Attacco a forma A a norme EN 175301-803 (ex DIN 43650) *A EN 175301-803 ISO 4400 connection (DIN 43650)*	
Grado di protezione *Protection Class*	IP 65 (utilizzando apposito connettore) *IP65 (using the appropriate connector)*	

Comando elettrico On-Off versione H70/H71 per Ami 300
On-Off electric control H70/H71 Version, for AMI 300



Caratteristiche *Technical Data*	H70	H71
Volt	12 Vdc	24 Vdc
Watt	60 W	60 W
Ampere	5 A	2,5 A
Temperatura di utilizzo *Temperature range*	da -20 °C a +40°C	
Connessioni elettriche *Electrical Connections*	Attacco a forma A a norme EN 175301-803 (ex DIN 43650) *Form A Connector in Accordance with EN 175301-803 (formerly DIN 43650)*	
Grado di protezione *Protection Class*	IP 65 (utilizzando apposito connettore) *IP65 (using the appropriate connector)*	

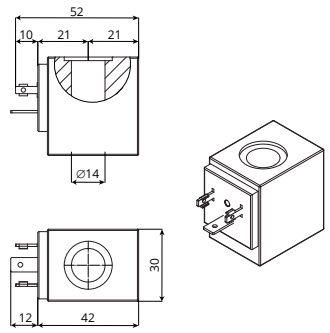
Comando elettrico On-Off (push-pull) versione H73R1/H74R1 per AMI 4/21R/250
On-Off (push-pull) electric control H73R1/H74R1 Version, for AMI 4/21R/250



Caratteristiche *Technical Data*	H73	H74
Volt	12 Vdc	24 Vdc
Watt	30 + 30 W	30 + 30 W
Ampere	2,5 A	1,25 A
Temperatura di utilizzo *Temperature range*	da -20 °C a +40°C	
Connessioni elettriche *Electrical Connections*	Attacco a forma A a norme EN 175301-803 (ex DIN 43650) *Form A Connector in Accordance with EN 175301-803 (formerly DIN 43650)*	
Grado di protezione *Protection Class*	IP 65 (utilizzando apposito connettore) *IP65 (using the appropriate connector)*	

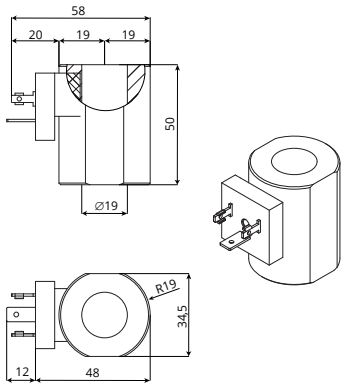
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Comando elettroidraulico ON-Off versione H75/H76, VMS DB3C e BMS
On-Off Electro-Hydraulic control H75/H76 Version, VMS DB3C and BMS



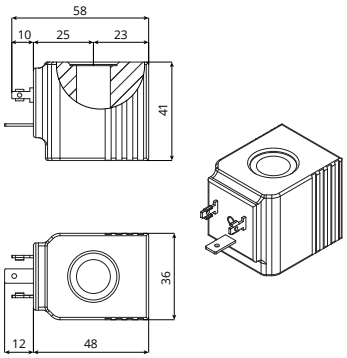
Caratteristiche *Technical Data*	H75 - VMS DB3C	H76 - VMS DB3C
Volt	12 Vdc	24 Vdc
Watt	18 W	18 W
Ampere	1,5 A	0,75 A
Temperatura di utilizzo *Temperature range*	da -20 °C a +50°C	
Connessioni elettriche *Electrical Connections*	Attacco a forma A a norme EN 175301-803 (ex DIN 43650) *Form A Connector in Accordance with EN 175301-803 (formerly DIN 43650)*	
Grado di protezione *Protection Class*	IP 65 (utilizzando apposito connettore) *IP65 (using the appropriate connector)*	

Comando elettroidraulico proporzionale versione H77/H78
Proportional Electro-Hydraulic control H77/H78 Version



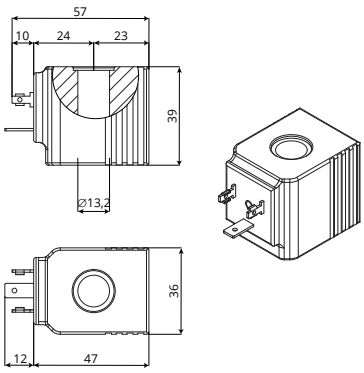
Caratteristiche *Technical Data*	H77	H78
Volt	12 Vdc	24 Vdc
Watt	38 W	38 W
Ampere	3,17 A	1,58 A
Temperatura di utilizzo *Temperature range*	da -20 °C a +40°C	
Connessioni elettriche *Electrical Connections*	Attacco a forma A a norme EN 175301-803 (ex DIN 43650) *Form A Connector in Accordance with EN 175301-803 (formerly DIN 43650)*	
Grado di protezione *Protection Class*	IP 65 (utilizzando apposito connettore) *IP65 (using the appropriate connector)*	

Comando elettrico On-Off per elemento DB3C
On-Off electric control for DB3C Element



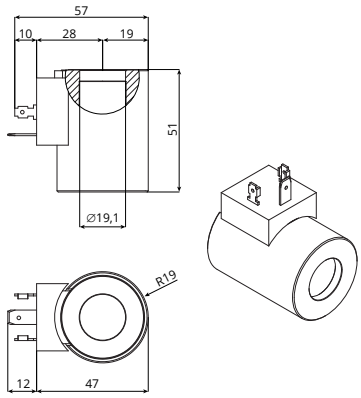
Caratteristiche *Technical Data*	DB3C	DB3C
Volt	12 Vdc	24 Vdc
Watt	26 W	26 W
Ampere	2,17 A	1,08 A
Temperatura di utilizzo *Temperature range*	da -20 °C a +40°C	
Connessioni elettriche *Electrical Connections*	Attacco a forma A a norme EN 175301-803 (ex DIN 43650) *Form A Connector in Accordance with EN 175301-803 (formerly DIN 43650)*	
Grado di protezione *Protection Class*	IP 65 (utilizzando apposito connettore) *IP65 (using the appropriate connector)*	

Valvola di messa a scarico (VMS) DB3
DB3 unloading valve (VMS)



Caratteristiche *Technical Data*	VMS DB3	VMS DB3
Volt	12 Vdc	24 Vdc
Watt	26 W	26 W
Ampere	2,17 A	1,08 A
Temperatura di utilizzo *Temperature range*	da -30 °C a +40°C	
Connessioni elettriche *Electrical Connections*	Attacco a forma A a norme EN 175301-803 (ex DIN 43650) *Form A Connector in Accordance with EN 175301-803 (formerly DIN 43650)*	
Grado di protezione *Protection Class*	IP 65 (utilizzando apposito connettore) *IP65 (using the appropriate connector)*	

Valvola proporzionale (VPF e FI05)
Proportional Valve (VPF and FI05)



Caratteristiche *Technical Data*	VPF e FI05	VPF e FI05
Volt	12 Vdc	24 Vdc
Watt	36 W	36 W
Ampere	3 A	1,5 A
Temperatura di utilizzo *Temperature range*	da -20 °C a +40°C	
Connessioni elettriche *Electrical Connections*	Attacco a forma A a norme EN 175301-803 (ex DIN 43650) *Form A Connector in Accordance with EN 175301-803 (formerly DIN 43650)*	
Grado di protezione *Protection Class*	IP 65 (utilizzando apposito connettore) *IP65 (using the appropriate connector)*	

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