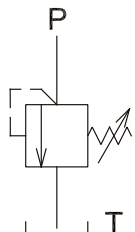


VALVOLE DI MASSIMA PER IMPIANTO IDRAULICO TRATTORE STRADALE MAX PRESSURE VALVE FOR TRACTOR HEAD HYDRAULIC KIT

CODICE FAMIGLIA
FAMILY CODE

121080

SCHEMA IDRAULICO HYDRAULIC SCHEME

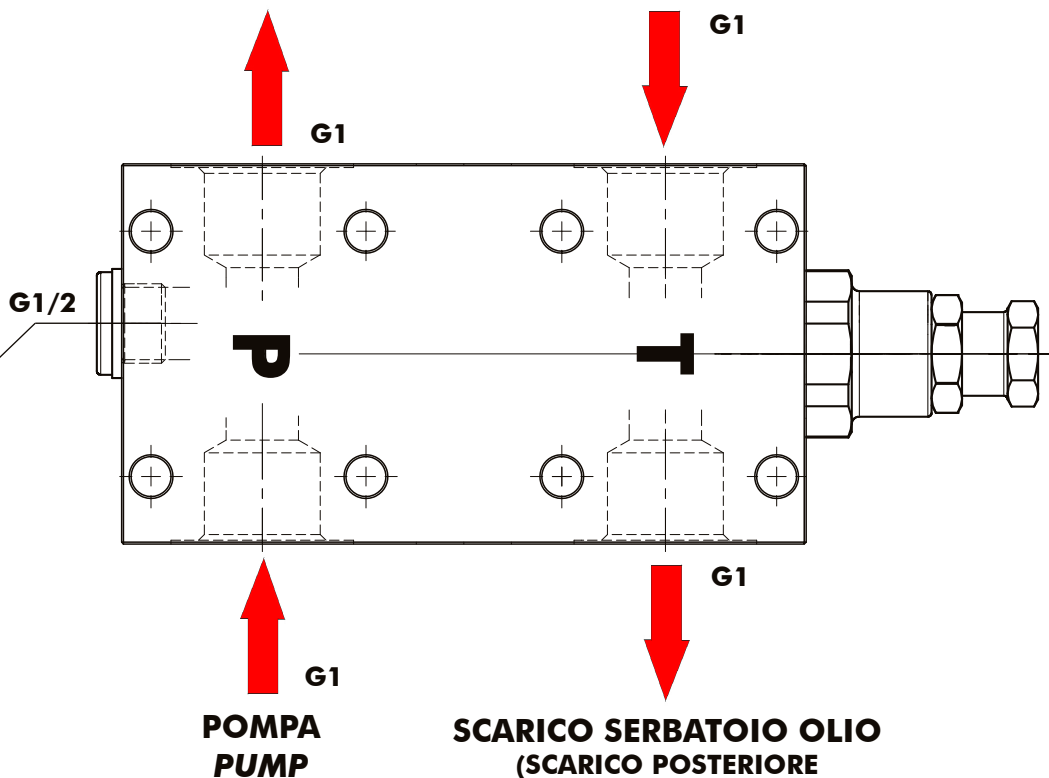


P = Linea pressione
Pressure line
T = Scarico / Tank

99740012120

**MANDATA
PRESSURE LINE**

**RITORNO
RETURN LINE**

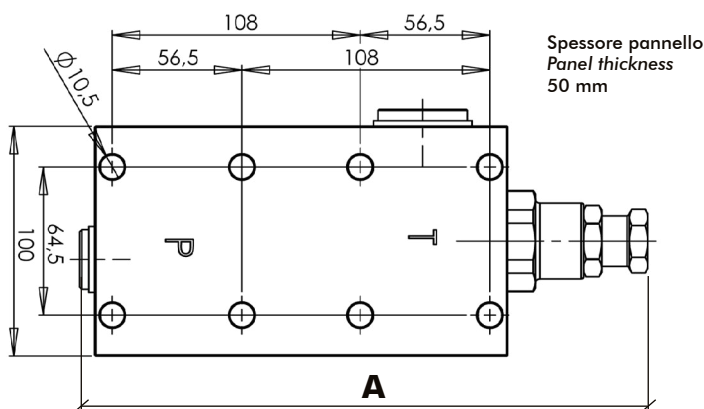


Per il montaggio del pressostato / segnalatore acustico (da ordinare separatamente) smontare il tappo presente sulla valvola di massima e montare la riduzione 11500300138 (RDZ M G1/2 a F G1/8) e la rondella 11600930125.

For the installation of pressure switch/acoustic indicator (to be ordered separately) remove max pressure valve's cap and fit male/femaler reduction 11500300138 (Reduction Male G1/2 to Female G1/8) and dowty washer 11600930125.

**SCARICO SERBATOIO OLIO
(SCARICO POSTERIORE
E/O FILTRO CALOTTA).
OIL RETURN
(REAR RETURN AND/OR
COMPACT FILTER)**

INGOMBRI / DIMENSIONS



Valvola/Valve	A
12108000016	248
12108000025	245
12108000034	304
12108000043	307
12108000052	239

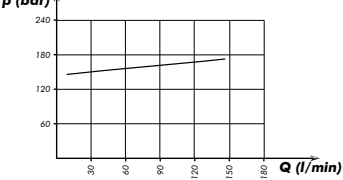
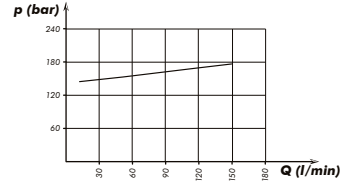
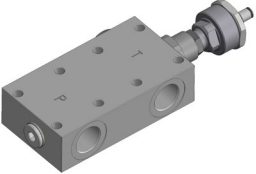
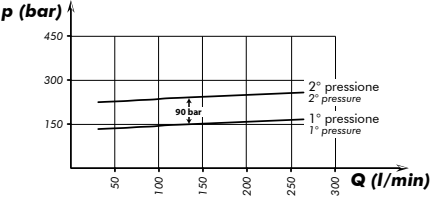
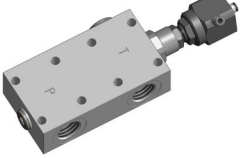
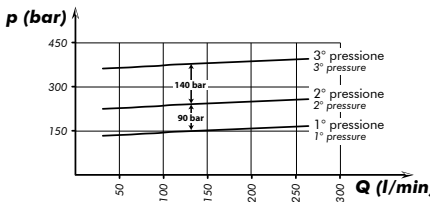
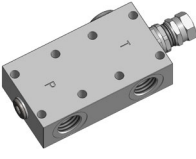
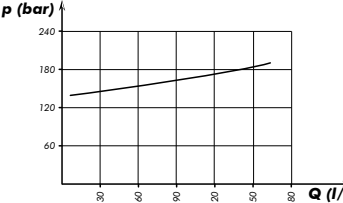
15/12/2017

99712108001 Rev: AD

Pannello con valvola di massima per fissaggio a telaio. La valvola è registrabile e disponibile in varie tipologie.

Gli ingressi e le uscite sono tutti da G 1", con predisposizione per manometro da G 1/2".

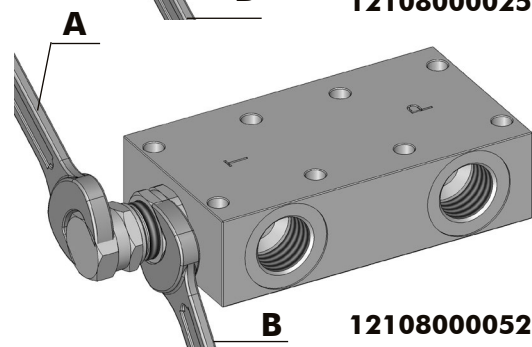
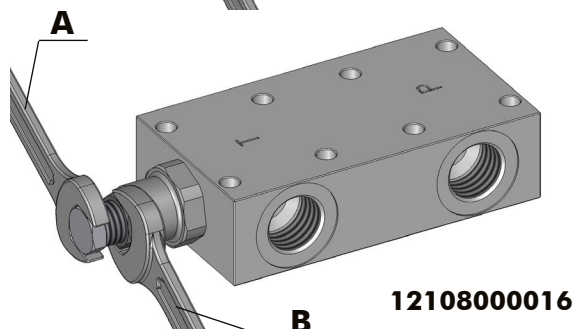
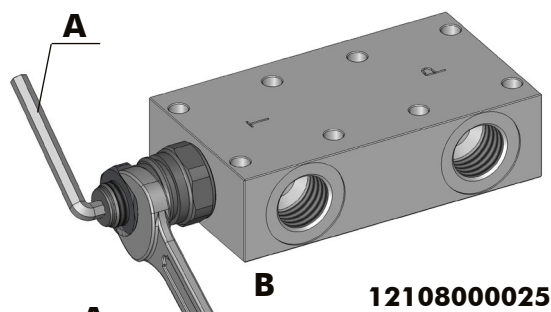
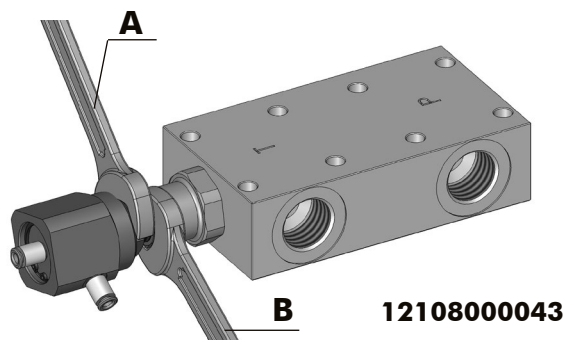
Panel with relief valve for fixing to chassis. The valve is adjustable and is available in several types. The inputs and outputs are all G 1", with pre-arrangement for pressure gauge at G 1/2".

Tipo valvola Valve type	Immagine Image	Pressione Pressure			Curva caratteristica p-Q valvola di max. p-Q operating curve for pressure relief valves Rilievi eseguiti con olio ISO VG 46 a 40° The graph refers to oil type ISO VG 46 a 40°
Pilotata Pilot	 12108000016	Press. standard di taratura 160 $\pm$ 5 bar Standard setting pressure Press. max. di taratura 350 $\pm$ 5 bar Max. setting pressure			
Cartridge	 12108000025	Press. standard di taratura 160 $\pm$ 5 bar Standard setting pressure Press. max. di taratura 260 $\pm$ 5 bar Max. setting pressure			
Pilotata 2 pressioni indipendenti Pilot 2 independent pressure set	 12108000034	1 ^a - 1 st	2 ^a - 2 nd In mancanza di specifiche da parte del cliente la taratura standard della 1 ^a pressione è di 140 bar a 80 l/min, la seconda è 230 bar. Per tarature diverse dalle precedenti fare riferimento al grafico. If not specified, the standard setting of the 1 st pressure is of 140 Bar at 80 LPM. 2 nd pressure value is 230 bar. For different setting please refer to the graph.		La valvola di massima doppia pressione pneumatica, consente il settaggio della 2^a pressione in maniera indipendente dal valore di regolazione della 1^a. Range di taratura approssimativa: - 1^a pressione: 0 / 200 bar - 2^a pressione: prima pressione + 0 / 200 bar  The double pressure pneumatic relief valve allow the setting of the higher pressure level independently from the low pressure value. Pressure Setting Range approx.: - Low pressure: 0 / 200 bar - High pressure: low pressure value + 0 / 200 bar
Pilotata 3 pressioni a comando pneumatico Pilot 3 pressure set pneumatically operated	 12108000043	1 ^a - bassa 1 st - low	2 ^a - media 2 nd - medium	3 ^a - alta 3 rd - high In mancanza di specifiche da parte del cliente la taratura standard della 1 ^a posizione è di 140 bar a 80 l/min, la seconda è conseguenza diretta. Per tarature diverse dalla precedente fare riferimento al grafico. If not specified, the standard setting of the low pressure is of 140 Bar at 80 LPM. Medium pressure value is set consequently. For different setting please refer to the graph.	
Diretta Direct	 12108000052	Press. standard di taratura 160 $\pm$ 5 bar Standard setting pressure Press. max. di taratura 280 $\pm$ 5 bar Max. setting pressure			

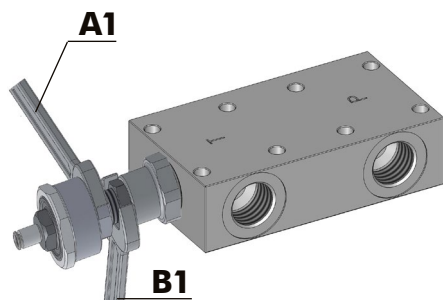
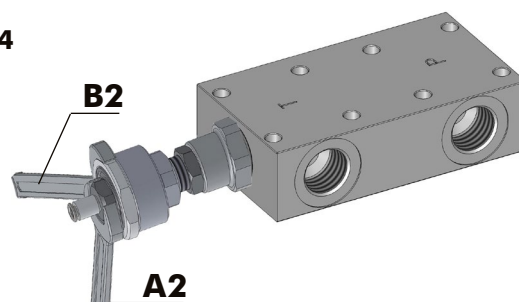
99740012120

15/12/2017

99712108001 Rev: AD

ISTRUZIONE TARATURA VALVOLA DI MASSIMA / RELIEF VALVE SETTING INSTRUCTION

- 1) Svitare il part. **B** avendo cura di mantenere serrato il part. **A**. / *Unscrew the part. B carefully keeping the part. A.*
- 2) **Avvitando** il particolare **A** la pressione aumenta. / *Screw the part. A the pressure increases.*
Svitando la pressione diminuisce. / *Unscrew the pressure decreases.*
Controllare la pressione con un manometro. / *Check the pressure with a pressure gauge.*
- 3) Riavvitare il part. **B** avendo cura di mantenere in posizione il part. **A**. / *Lock the part. B but keeping the carefully position to part A.*

**ISTRUZIONE TARATURA VALVOLA DI MASSIMA 2 PRESSIONI INDIPENDENTI
2 INDEPENDENT PRESSURE RELIEF VALVE SETTING INSTRUCTION****1 ^ PRESSIONE / 1st PRESSURE****2 ^ PRESSIONE / 2nd PRESSURE**

- | | |
|--|--|
| <ol style="list-style-type: none"> 1) Svitare il dado B1 avendo cura di mantenere serrato il part. A1.
<i>Unscrew the nut B1 carefully keeping the part. A1.</i> 2) Avvitando il particolare A1 la pressione aumenta.
<i>Screw the part. A1 the pressure increases.</i>
Svitando la pressione diminuisce.
<i>Unscrew the pressure decreases.</i>
Controllare la pressione con un manometro.
<i>Check the pressure with a pressure gauge.</i> 3) Riavvitare il dado B1 avendo cura di mantenere in posizione il part. A1.
<i>Lock the nut B1 but keeping the carefully position to part A1.</i> | <ol style="list-style-type: none"> 1) Svitare il dado B2 avendo cura di mantenere serrato il part. A2.
<i>Unscrew the nut B2 carefully keeping the part. A2.</i> 2) Avvitando il particolare A2 la pressione aumenta.
<i>Screw the part. A2 the pressure increases.</i>
Svitando la pressione diminuisce.
<i>Unscrew the pressure decreases.</i>
Controllare la pressione con un manometro.
<i>Check the pressure with a pressure gauge.</i> 3) Riavvitare il dado B2 avendo cura di mantenere in posizione il part. A2.
<i>Lock the nut B2 but keeping the carefully position to part A2.</i> |
|--|--|



ATTENZIONE: qualsiasi regolazione delle valvole deve assolutamente essere eseguita utilizzando dei manometri sull'impianto.

- Se la prima e la seconda pressione sono regolate entrambe al massimo, la seconda può superare i 400 bar.
- Variazioni imposte alla 1 ^ pressione si ripercuotono anche sulla 2 ^ . In caso sia necessario variare SOLO la 1 ^ pressione, è necessario agire anche sulle regolazione della 2 ^ pressione al fine di riportarla al valore originale.

WARNING: any setting or adjustment of relief valve has to be carried out by using proper pressure gauges in the hydraulic circuit.

- If the Low and High pressure are set at their highest level possible, the High pressure can go over 400 bar.
- Changes applied to the Low pressure affect also the High pressure level. In case you need to change ONLY the Low pressure setting you have to adjust again the High pressure value in order to restore its initial value.

ACCESSORI PER DEVIATORI

TIPPING VALVE ACCESSORIES

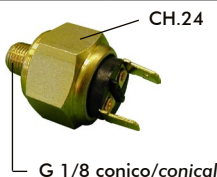
ACCESSORI ACCESSORIES

Segnalatori di pressione / Pressure signal switches

Segnalatore di pressione NA standard
- Taratura fissa a 2÷5 bar

Standard NO switch
- Fixed setting at 2÷5 bar

Codice / Code 12200900011

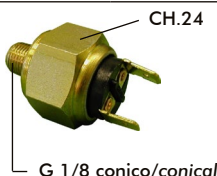


G 1/8 conico/conical

Segnalatore di pressione NA speciale
- Taratura 0,5 bar registrabile fino a 2 bar

Special NO switch
- Adjustable setting 0,5÷2 bar

Codice / Code 12200900020

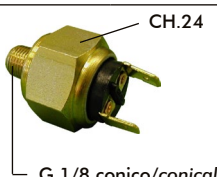


G 1/8 conico/conical

Segnalatore di pressione NA standard
- Taratura fissa a 5÷8 bar

Standard NO switch
- Fixed setting at 5÷8 bar

Codice / Code 12200900057

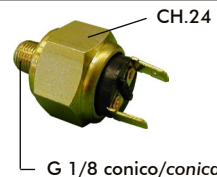


G 1/8 conico/conical

Segnalatore di pressione NA speciale
- Taratura fissa a 11 bar

Special NO switch
- Fixed setting at 11 bar

Codice / Code 12200900066

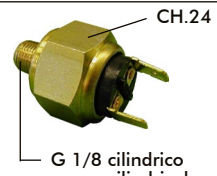


G 1/8 conico/conical

Segnalatore di pressione NA standard
- Taratura fissa a 2÷5 bar

Standard NO switch
- Fixed setting at 2÷5 bar

Codice / Code 12200900075



G 1/8 cilindrico/cylindrical

Segnalatore di pressione NA standard
- Taratura fissa a 2÷5 bar

Standard NO switch
- Fixed setting at 2÷5 bar

Codice / Code 12200900100



G 1/4 conico/conical

Caratteristiche comuni

- Connessioni faston 6,3x0.8 mm
- Tensione max. 48V-0.5Amp (resist)
- Pressione massima 300 bar
- Temperatura di esercizio -40° ÷ 100° C
- Protezione elettrica con cuffiotto IP54 faston esclusi
- Protezione elettrica senza cuffiotto IP00 faston esclusi

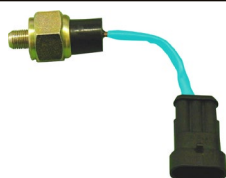
Common features

- Faston connections 6,3x0.8 mm
- Electrical rating 48V-0.5Amp (resist)
- Max pressure 300 bar
- Environmental -40° ÷ 100° C
- Electrical protection with cover IP54 fast-on excluded
- Electrical protection without cover IP00 fast-on excluded



Codice / Code 12201100571

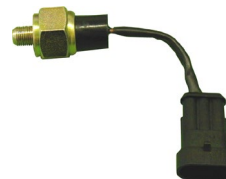
Cuffiotto di protezione per idrostop / Protection cover for pressure switch



Codice / Code 31200500101

Segnalatore di pressione NA con connettore femmina tipo PACKARD 3 poli specifico per impianti precablati OMFB.
- Taratura fissa a 2/5 bar (guaina verde)
- Tensione max. 48V-0.5Amp (resist)
- Pressione massima 300 bar
- Temperatura di esercizio -40° / 100° C
- Grado di protezione IP67

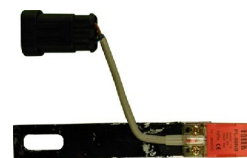
NO pressure switch. Female connector type 3 pole PACKARD, specific for OMFB pre-wired electric kits.
- Fixed setting at 2/5 bar (green wire)
- Electrical rating 48V-0.5Amp (resist)
- Max pressure 300 bar
- Environmental -40° - 100° C
- Enclosure IP67



Codice / Code 31200500110

Segnalatore di pressione NA con connettore femmina tipo PACKARD 3 poli specifico per impianti precablati OMFB.
- Taratura 0,5 bar registrabile fino a 2 bar (guaina nera)
- Tensione max. 48V-0.5Amp (resist)
- Pressione massima 300 bar
- Temperatura di esercizio -40° / 100° C
- Grado di protezione IP67

NO pressure switch. Female connector type 3 pole PACKARD, specific for OMFB pre-wired electric kits.
- Adjustable setting from 0,5 to 2 bar (red wire)
- Electrical rating 48V-0.5Amp (resist)
- Max pressure 300 bar
- Environmental -40° - 100° C
- Enclosure IP 67

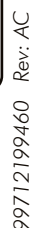


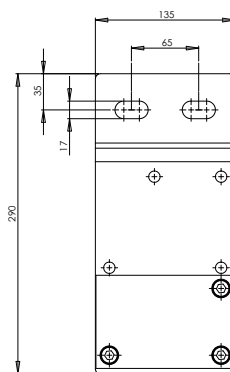
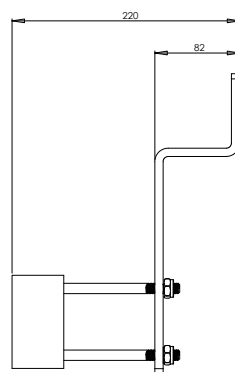
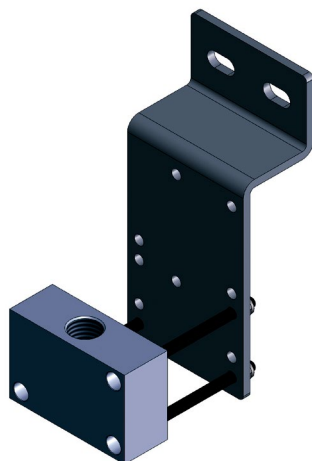
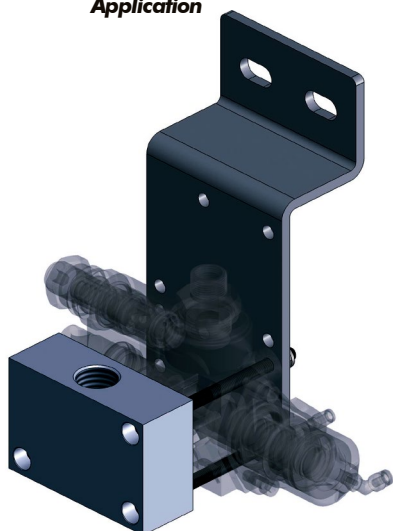
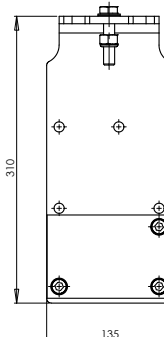
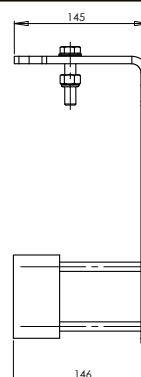
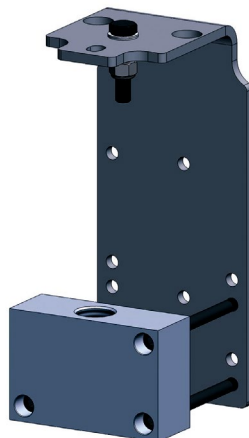
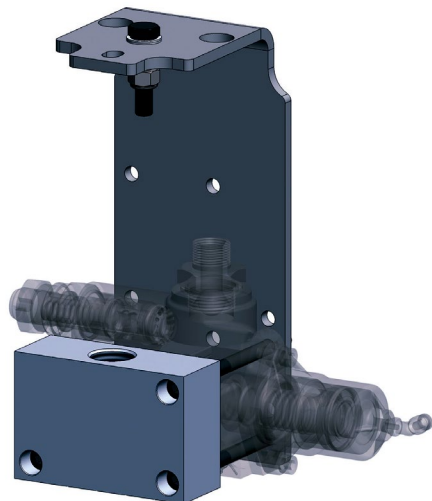
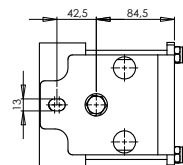
Codice / Code 31450000107

Segnalatore di prossimità NC con connettore femmina tipo PACKARD 3 poli intercambiabile con segnalatore di pressione, specifico per impianti precablati OMFB.
- Grado di protezione IP67

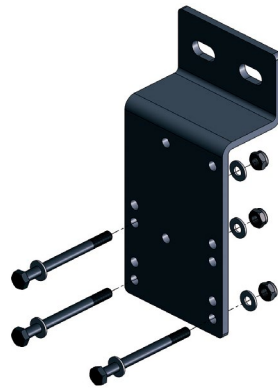
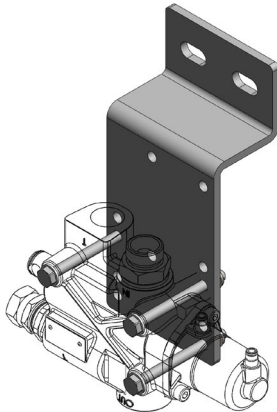
NC proximity kit. Female connector type 3 pole PACKARD, interchangeable with pressure signal suitable for OMFB pre-wired electric kits.
- Enclosure IP 67

CONSULTARE IL FASCICOLO DEI KIT ELETTRICI PER LA SCELTA DEGLI IMPIANTI PRECABLATI
CONSULT OUR ELECTRIC KITS CATALOGUE TO SELECT THE PROPER KIT



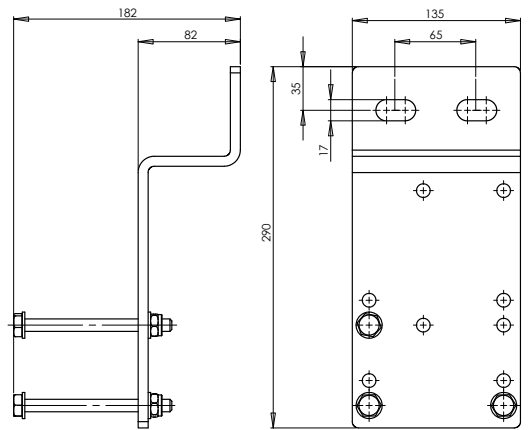
Applicazione
Application**12199400726****Kit pannello scarico per Modular 250**
Return plate kit for Modular 250**Ingombri**
Dimensions**Applicazione**
Application**12199400735****Kit pannello scarico per Modular 250**
Return plate kit for Modular 250**Ingombri**
Dimensions

Applicazione
Application



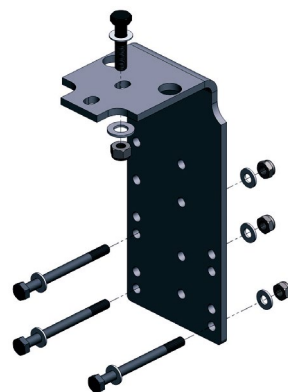
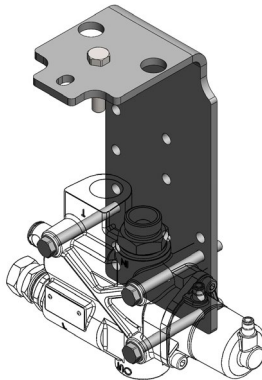
12199400771

Kit staffa per MODULTRUCK
Bracket kit for MODULTRUCK



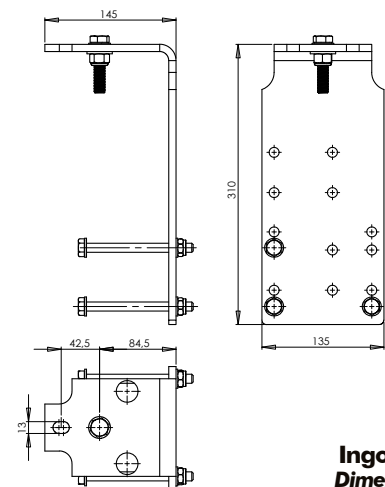
Ingombri
Dimensions

Applicazione
Application



12199400780

Kit staffa per MODULTRUCK
Bracket kit for MODULTRUCK



Ingombri
Dimensions

99740012120

19/03/2012

99712199460 Rev: AC

FINECORSA PNEUMATICO 3 VIE PER CILINDRI

CODICE
CODE

10001800043

3-WAY PNEUMATIC KNOCK-OFF SWITCH FOR TIPPING CYLINDERS

Viene utilizzato per interrompere il flusso di aria verso la camera di salita dei modular e quindi per arrestare la salita quando il cilindro arriva in una posizione stabilita di finecorsa.

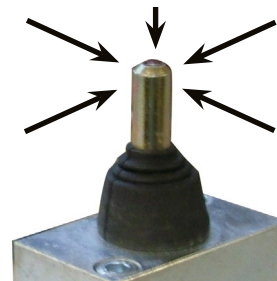
L'azionamento dell'asta di comando può avvenire sia in compressione che in senso radiale sui 360°.

Il sistema viene normalmente utilizzato in alternativa alla fune di finecorsa collegata allo spool del modular.

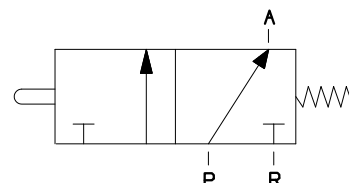
It is designed to cut off the air flow to the tipping valve and therefore to stop the raise when the cylinder arrives at the planned end-of-stroke position.

The activation of the spool can be reached either under compression or thorough 360° radial load.

This system is normally used as alternative to the end-of-stroke cable connected to the spool of the tipping valve.

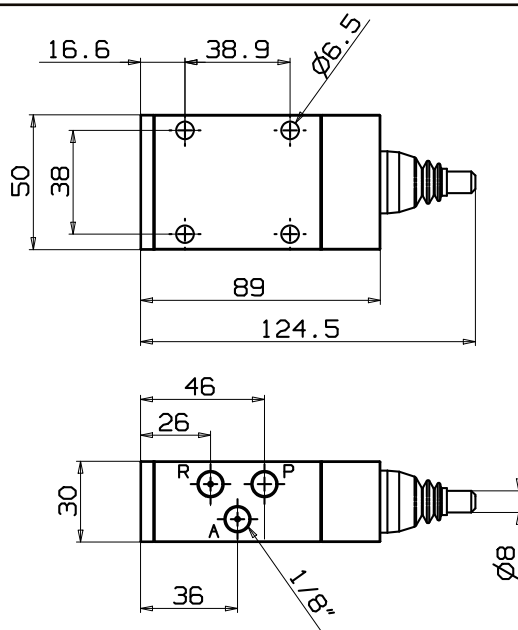


**Schema di
funzionamento**
Functional diagram



Caratteristiche tecniche Technical characteristics

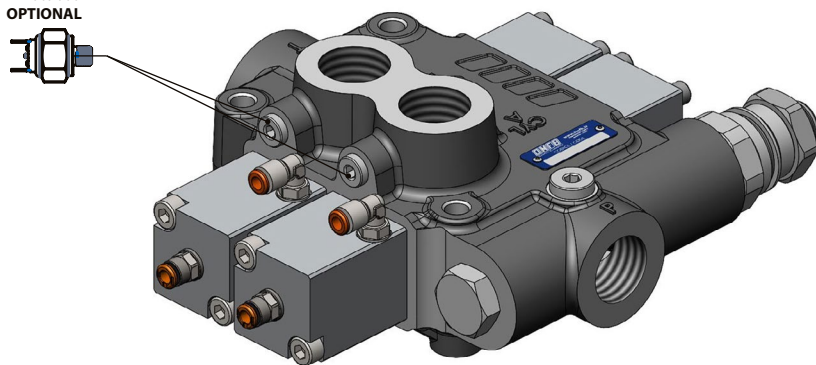
Pressione di esercizio/Working pressure	1 ÷ 8 bar
Temperatura di esercizio/Working temperature	0 ÷ 80°C
Fluido/Fluid	Aria compressa, filtrata e lubrificata ininterrottamente Compressed, filtered and lubricated air continuously
Tipologia/Type	3/2 NC o NA
Diametro nominale/nominal diameter	Ø 1.5mm



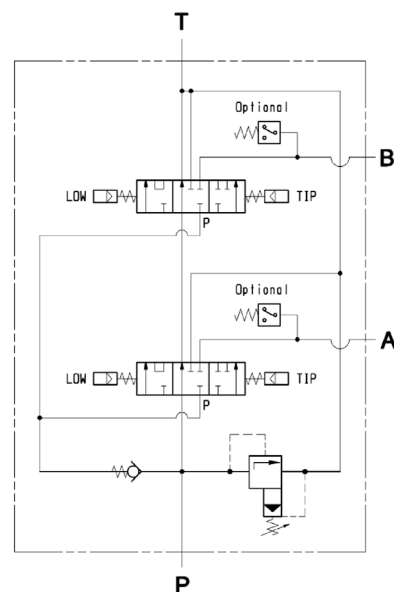
- Valvola di massima pressione CARTRIDGE 150.
- Corpo in ghisa sferoidale per sopportare pressioni fino a 400 bar.
- Corpo zincato e cursore nichelato.
- Garantito per lavorare con olio a temperature -15+110°C, campo di viscosità 12÷100 cSt e grado di filtrazione 25 µm.

- CARTRIDGE 150 relief valve.
- Nodular cast-iron body for pressure up to 400 bar.
- Galvanized body and nickel spool.
- Guaranteed for oil temperature range -15+110 °C, viscosity range 12÷100 cSt and oil filtering 25 µm.

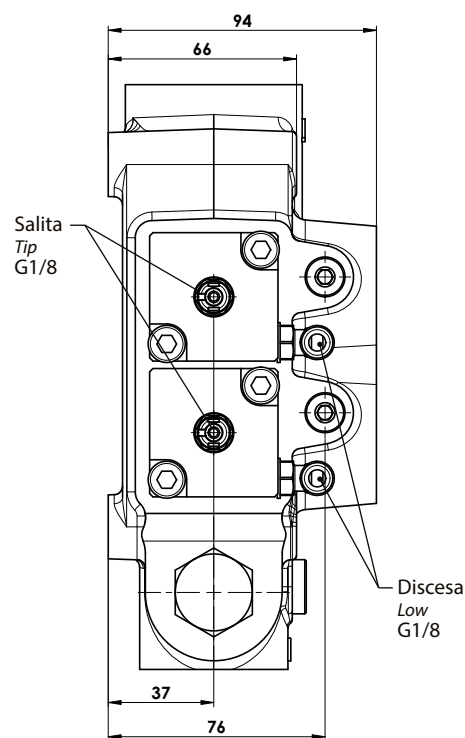
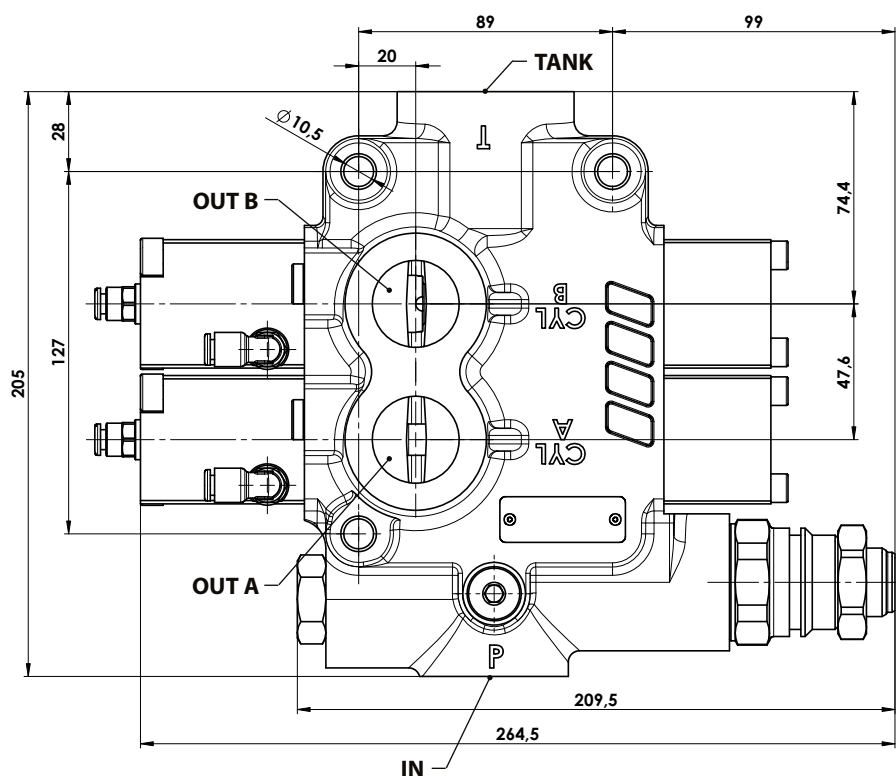
12200900011
OPTIONAL



Schema di funzionamento
Functional diagram

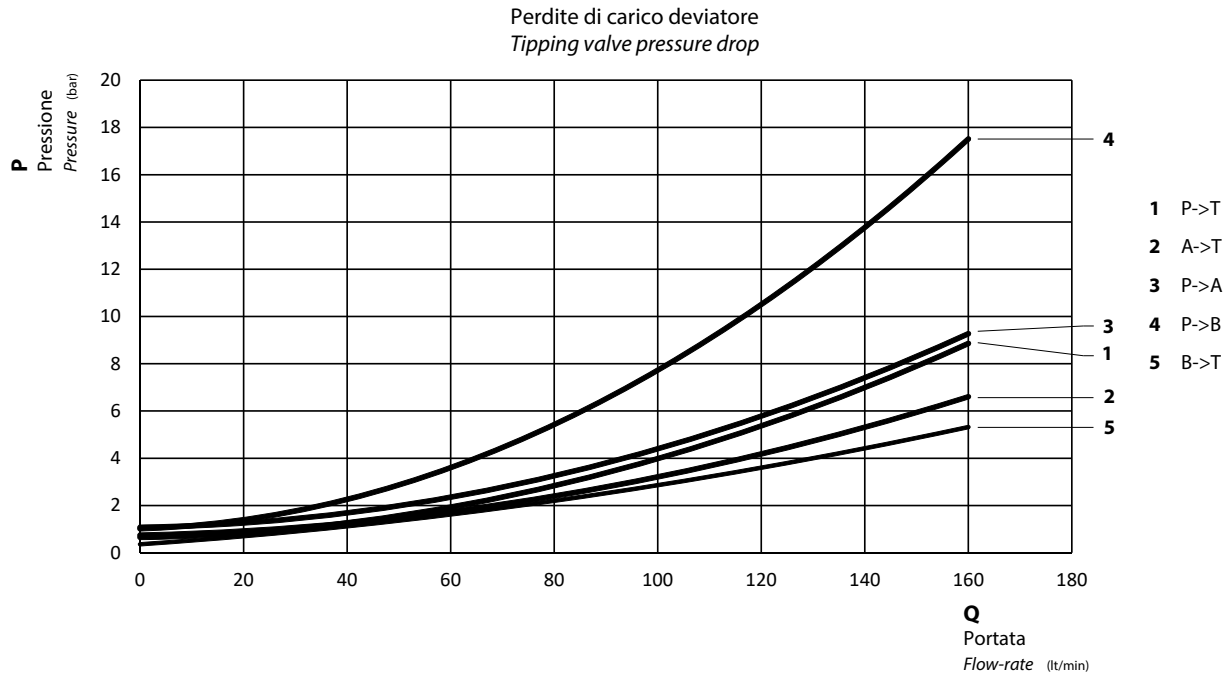


Ingombro / Dimensions

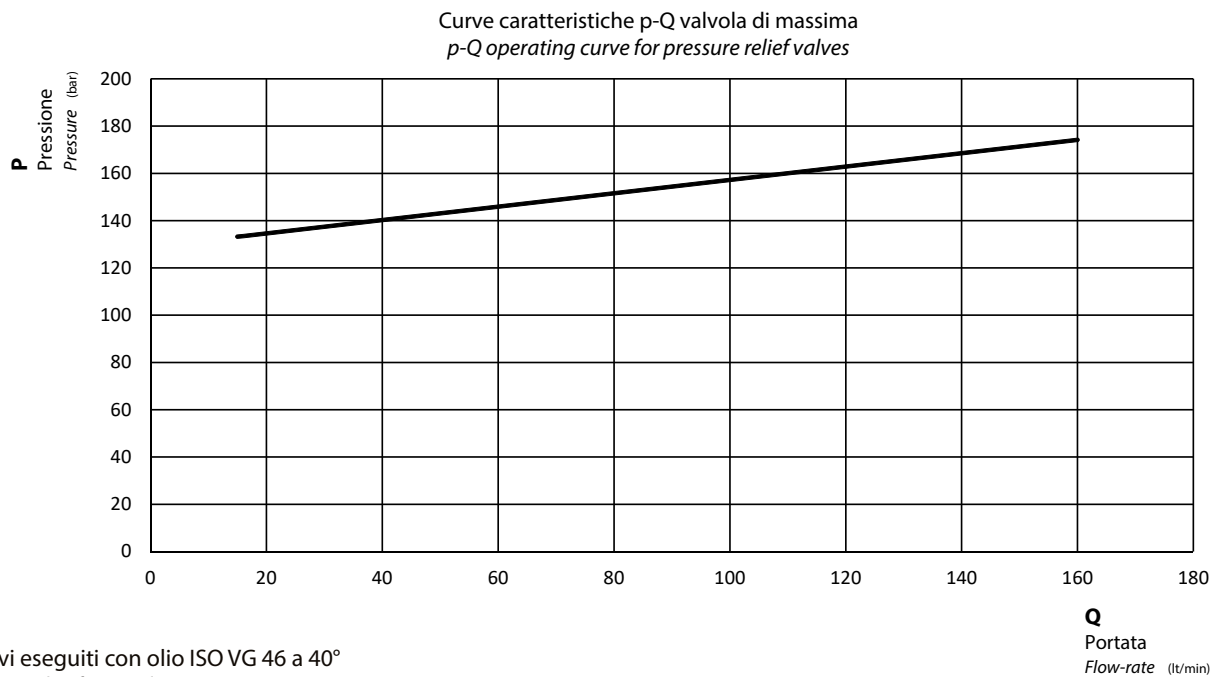


Codice di ordinazione / Order code

Tipo deviatore <i>Tipping valve type</i>	Codice di ordinazione <i>Order code</i>	IN	TANK	OUT A-B	Portata <i>Flow</i>	Pressione / Pressure		Peso <i>Weight</i>
						Taratura standard <i>Standard pressure setting</i>	Taratura massima <i>Max. pressure setting</i>	
		ISO 228	ISO 228	ISO 228	l/min	bar		Kg
DM-160	12101500113	G 1	G 1-1/4	G 1	160	140	260	10



Rilievi eseguiti con olio ISO VG 46 a 40°
The graph refers to oil type ISO VG 46 a 40°



Rilievi eseguiti con olio ISO VG 46 a 40°
The graph refers to oil type ISO VG 46 a 40°

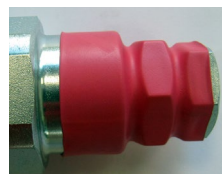
Valvola di massima - Taratura speciale

Per tarature speciali e sigilli antimanomissione è necessario aggiungere al codice di ordinazione il suffisso P o T come da schema:
Esempio: codice di ordinazione standard 121....

Pressure relief valve - Special setting

Special pressure settings and tampering seal are managed according to the following scheme:
Example: standard ordering code 121....

Taratura Setting	Sigillo Tampering seal	Codice ordinazione Ordering code	In fase d'ordine specificare While ordering specify
Standard	NO	121xxxxxxx	----
Speciale Special	NO	121xxxxxxxT	Valore taratura: xxx bar Pressure setting
Speciale Special	SI/YES	121xxxxxxxP	Valore taratura: xxx bar Pressure setting
Standard	SI/YES	121xxxxxxxP	Taratura standard / Standard setting

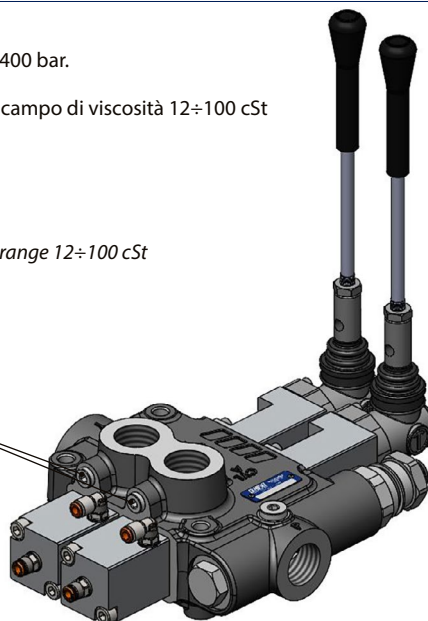


Sigillo antimanomissione
Tampering seal

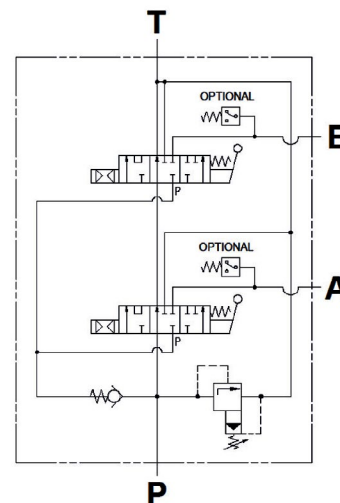
- Valvola di massima pressione CARTRIDGE 150.
- Corpo in ghisa sferoidale per sopportare pressioni fino a 400 bar.
- Corpo zincato e cursore nichelato.
- Garantito per lavorare con olio a temperature -15+110°C, campo di viscosità 12÷100 cSt e grado di filtrazione 25 µm.

- CARTRIDGE 150 relief valve.
- Nodular cast-iron body for pressure up to 400 bar.
- Galvanized body and nickel spool.
- Guaranteed for oil temperature range -15+110 °C, viscosity range 12÷100 cSt and oil filtering 25 µm.

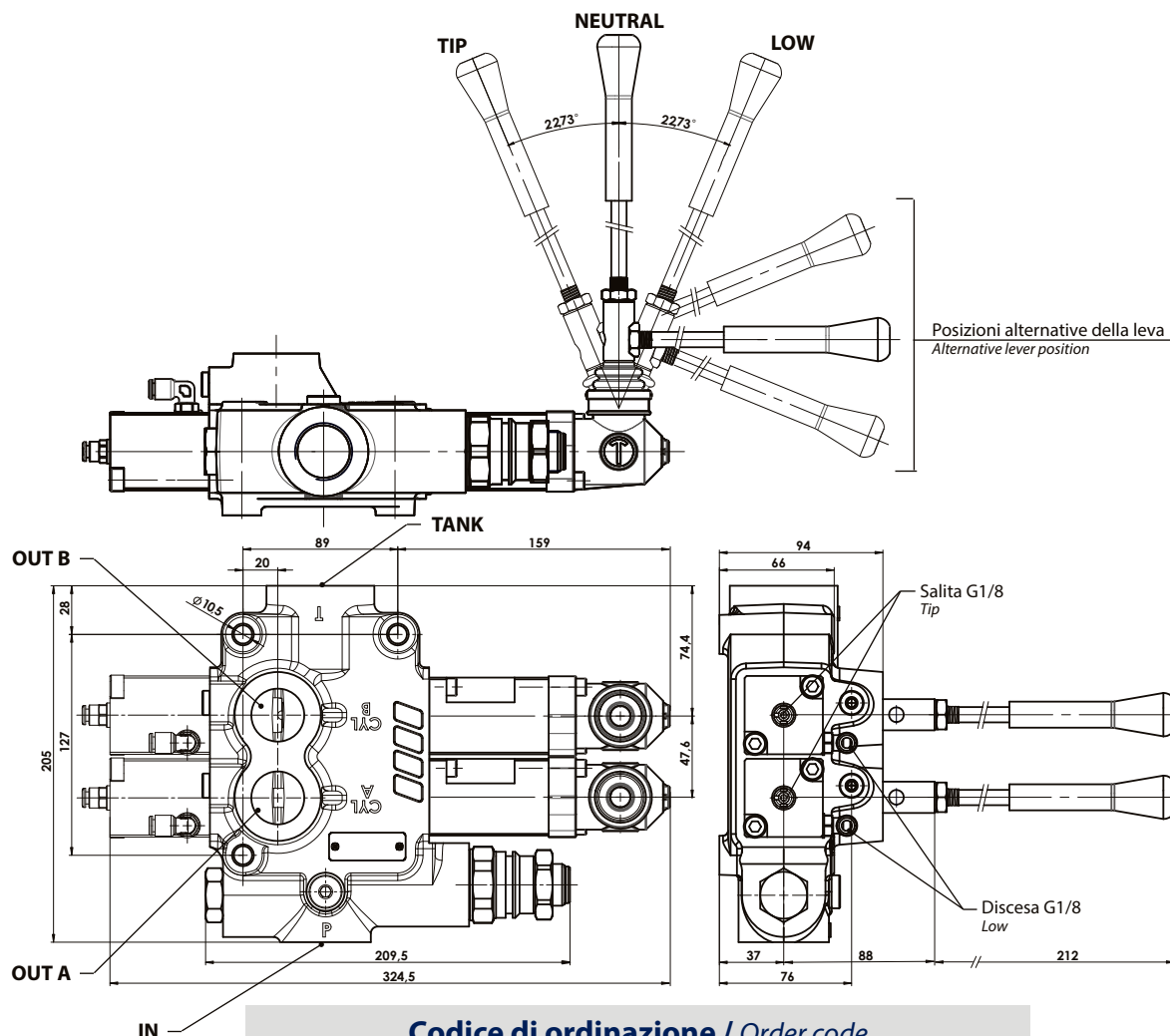
12200900011
OPTIONAL



Schema di funzionamento
Functional diagram

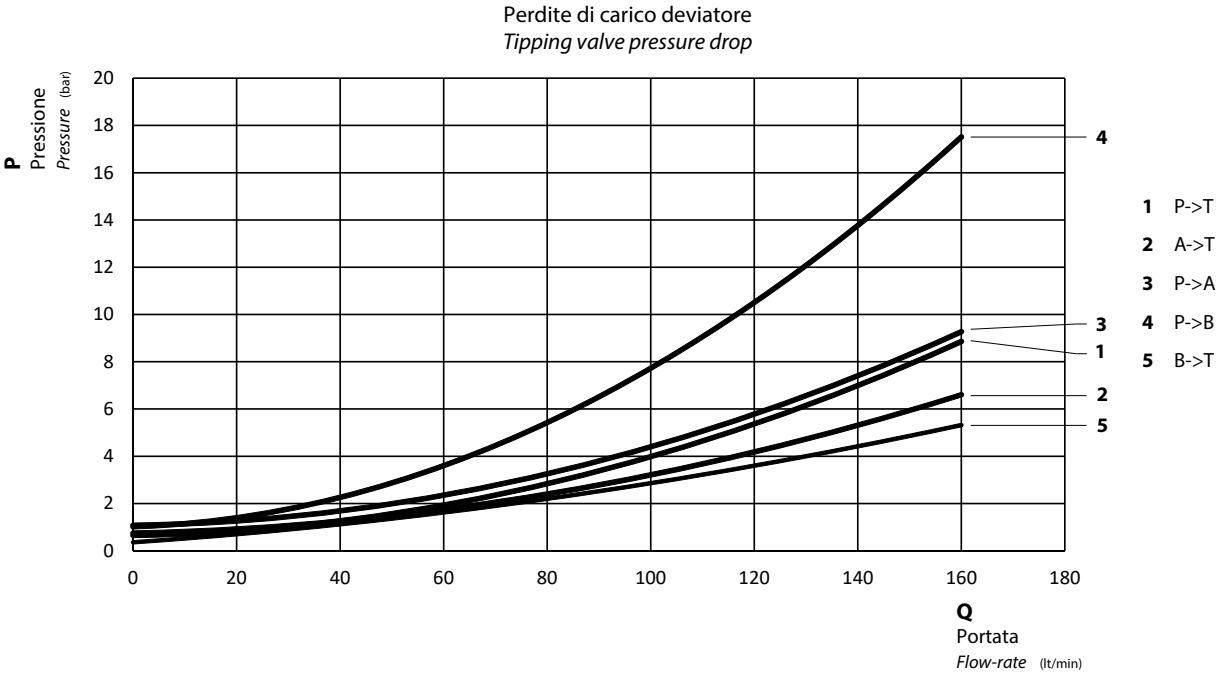


Ingombro / Dimensions

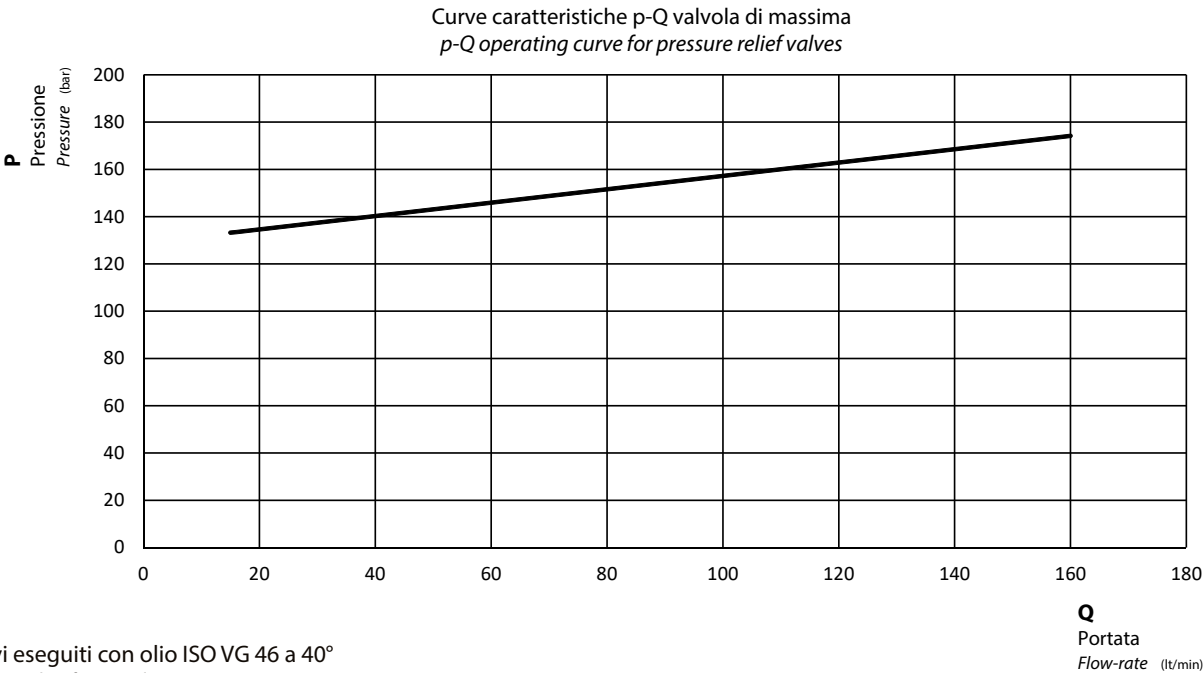


Codice di ordinazione / Order code

Tipo deviatore Tipping valve type	Codice di ordinazione Order code	IN	TANK	OUT A-B	Portata Flow l/min	Pressione / Pressure		Peso Weight Kg
						Taratura standard Standard pressure setting	Taratura massima Max. pressure setting	
DM-160	12191500114	ISO 228 G 1	ISO 228 G 1-1/4	ISO 228 G 1	160	140	260	11



Rilievi eseguiti con olio ISO VG 46 a 40°
The graph refers to oil type ISO VG 46 a 40°



Rilievi eseguiti con olio ISO VG 46 a 40°
The graph refers to oil type ISO VG 46 a 40°

■ **Valvola di massima - Taratura speciale**
Per tarature speciali e sigilli antimanomissione è necessario aggiungere al codice di ordinazione il suffisso P o T come da schema:
Esempio: codice di ordinazione standard 121....

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Example: standard ordering code 121....

Taratura Setting	Sigillo Tampering seal	Codice ordinazione Ordering code	In fase d'ordine specificare While ordering specify
Standard	NO	121xxxxxxx	----
Speciale Special	NO	121xxxxxxxT	Valore taratura: xxx bar Pressure setting
Speciale Special	SI/YES	121xxxxxxxP	Valore taratura: xxx bar Pressure setting
Standard	SI/YES	121xxxxxxxP	Taratura standard / Standard setting



Sigillo antimanomissione
Tampering seal

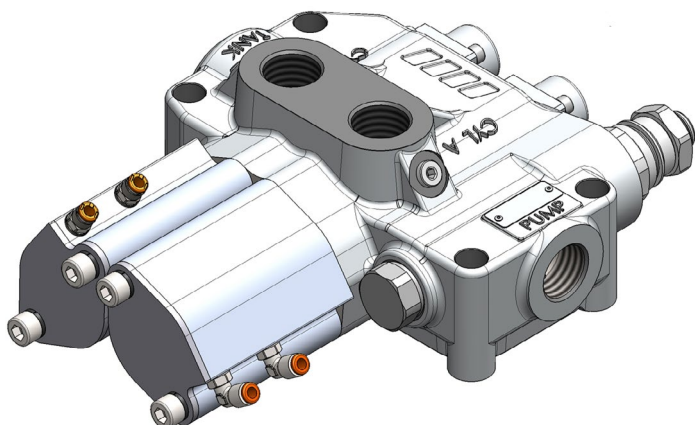
DEVIATORE OLEODINAMICO CON 2 SEZIONI INDIPENDENTE A COMANDO PNEUMATICO DOUBLE SECTION PROPORTIONAL TIPPING VALVE

CODICE
CODE

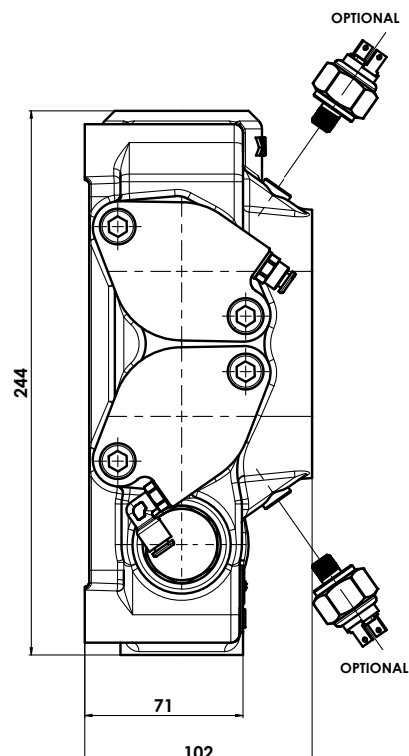
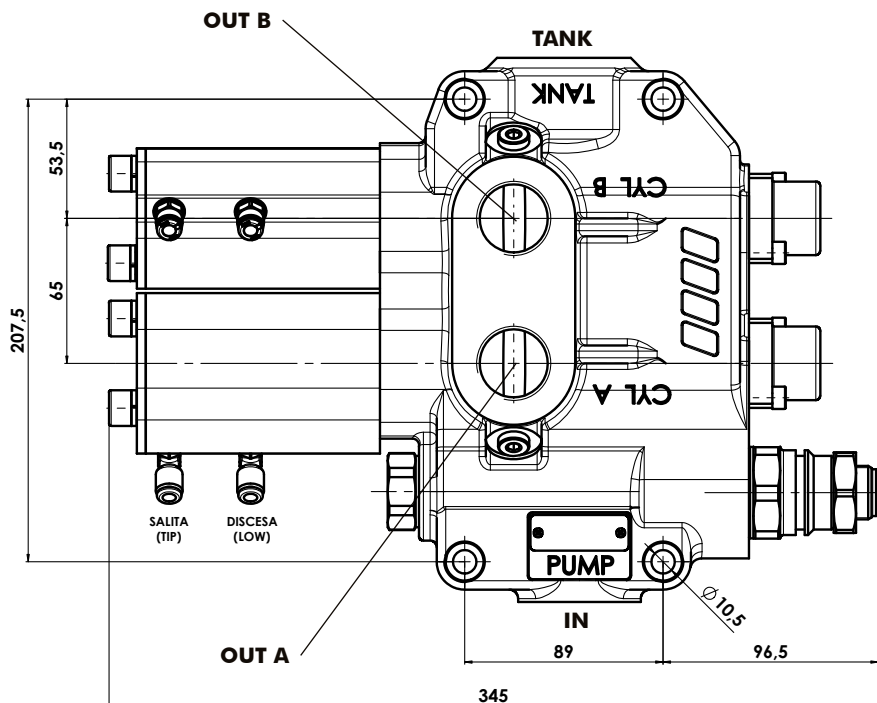
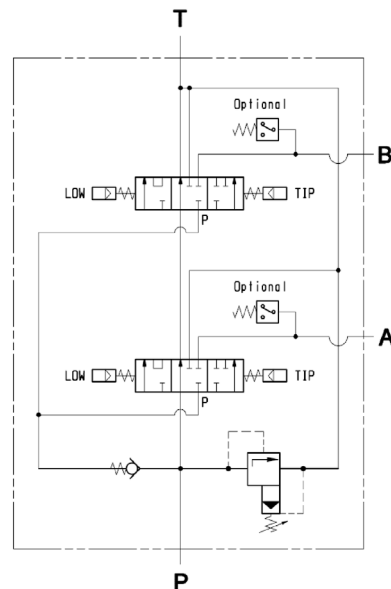
12101500104

"DM 250" 2^a serie

- Valvola di massima pressione CARTRIDGE 150.
- Corpo in ghisa sferoidale per sopportare pressioni fino a 400 bar.
- Corpo zincato e cursore nichelato.
- Garantito per lavorare con olio a temperature -15+110°C, campo di viscosità 12÷100 cSt e grado di filtrazione 25 µm.
- CARTRIDGE 150 relief valve.
- Nodular cast-iron body for pressure up to 400 bar.
- Guaranteed for oil temperature range -15+110 °C, viscosity range 12÷100 cSt and oil filtering 25 µm.
- Galvanized body and nickel spool.



Schema di funzionamento Functional diagram



Tipo deviatore
Tipping valve type

DM 250 CE (2^a serie)

Codice ordinazione
Order code

12101500104

IN

ISO 228

G 1

TANK

ISO 228

G 1-1/4

OUT A/B

ISO 228

G 1

Peso
Weight

16,9 Kg

pag.183



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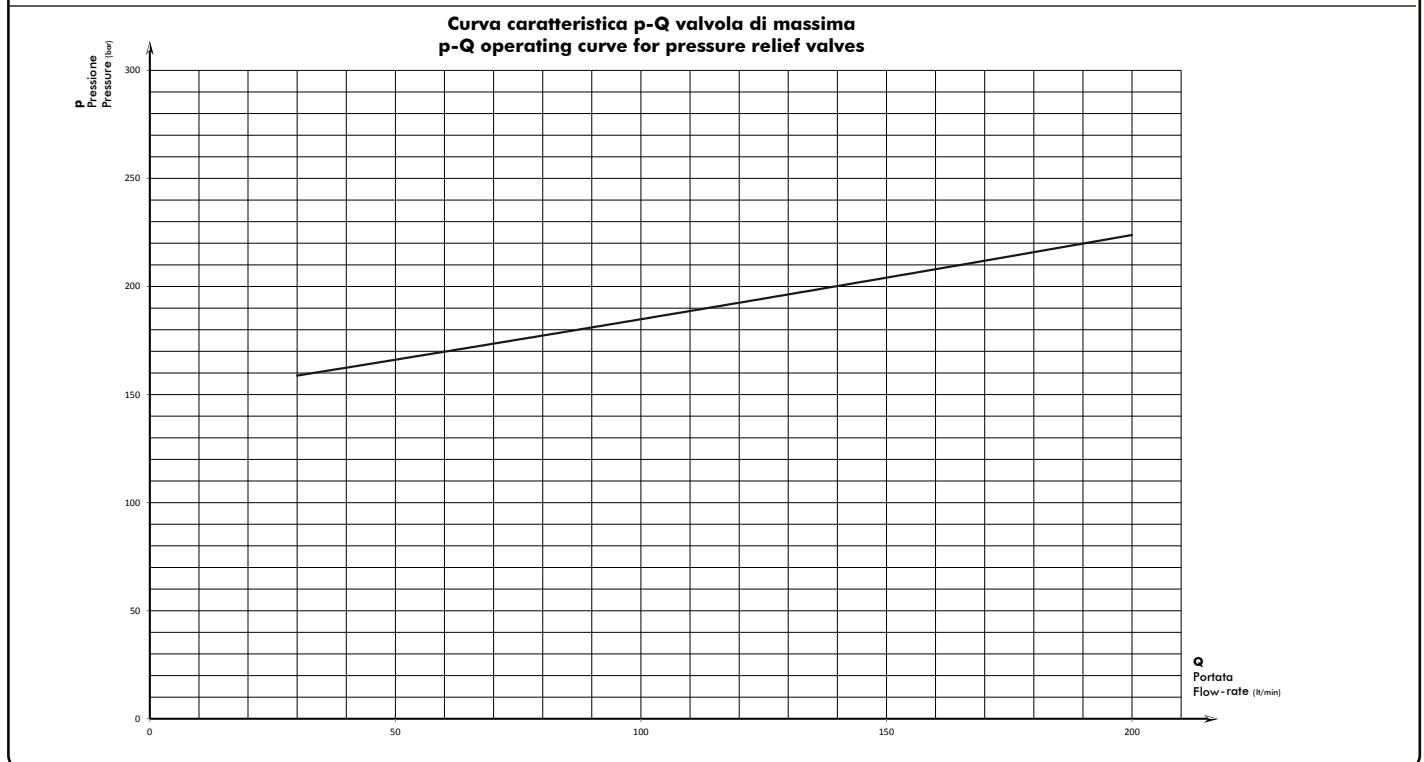
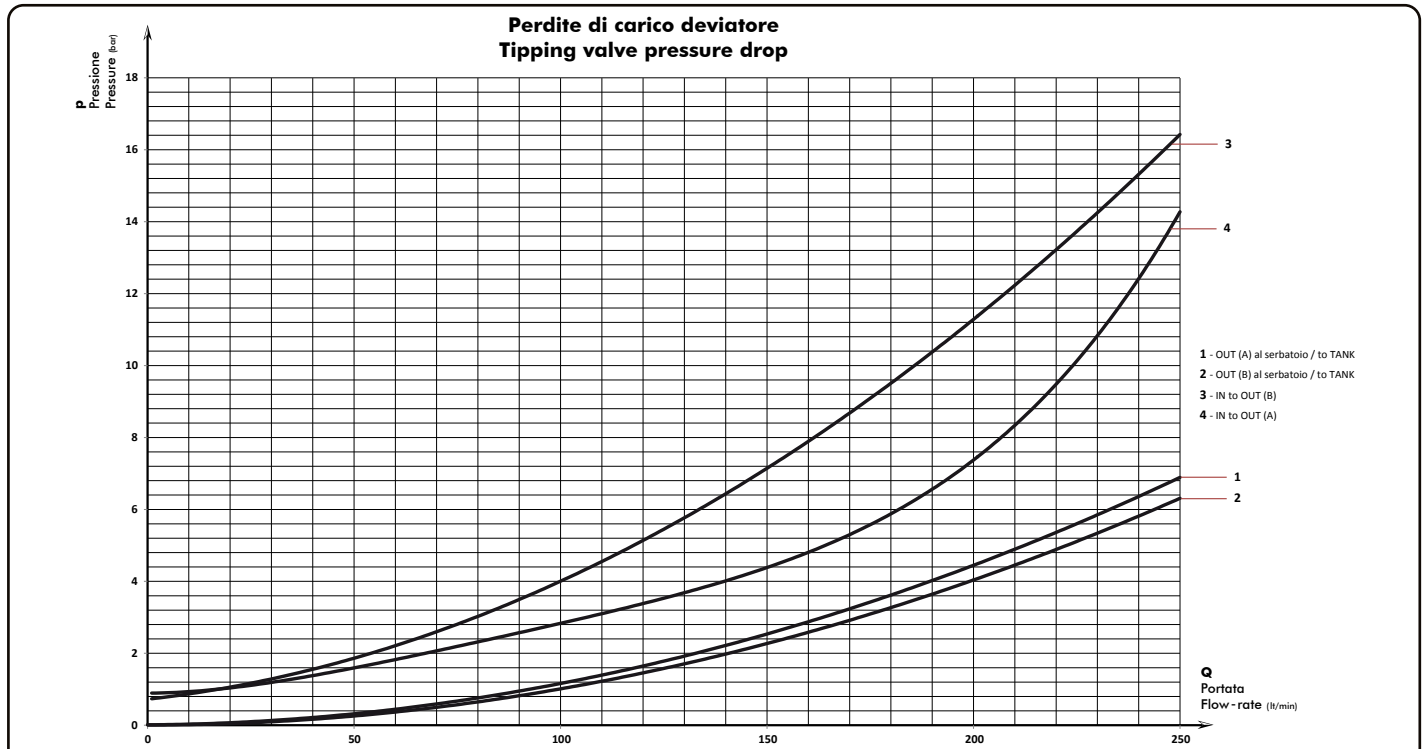
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99740012120

22/04/2021

99712101510 Rev: AB

Tipo deviatore Tipping valve type	Codice ordinazione Order code	Pressioni / Pressure values		Portata Flow
		Taratura standard Standard pressure setting	Taratura massima Max. pressure setting	
DM 250 CE	12101500104	140 bar	260 bar	250 l/min





OPTIONAL

Sigillo di garanzia/Safety sealing
12190100110

Da ordinare separatamente
Must be ordered separately

Rilievi eseguiti con olio ISO VG 46 a 40°
The graph refers to oil type ISO VG 46 a 40°

DEVIATORE OLEODINAMICO A COMANDO PNEUMATICO PER MOTRICE-RIMORCHIO

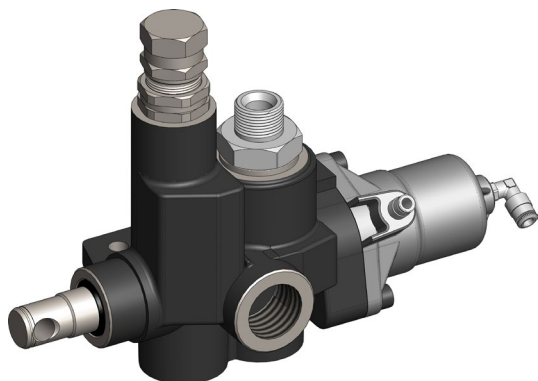
CODICE FAMIGLIA
FAMILY CODE

121009

**PNEUMATIC TIPPING VALVE
FOR TRUCK AND TRAILER**

“MR 200 DLV”

99740012120



Valvola ad azionamento pneumatico, con schema idraulico a centro chiuso (**non** conforme alle direttive CE) appositamente studiata per impianti motrice-rimorchio, con possibilità di selezione di discesa lenta sia su motrice che su rimorchio.

Utilizzabile con deviatore pneumatico tipo LAM 2 leve (senza comando PTO) o 3 leve.

- Valvola di ritegno e valvola di massima pressione registrabile (tipo diretto) incorporate.
- Finecorsa meccanico ad azionamento diretto.
- Corpo zincato e cursore nichelato.
- Garantito per lavorare con olio a temperature -15+110°C, campo di viscosità 12 ÷ 100 cSt e grado di filtrazione 25 µm.

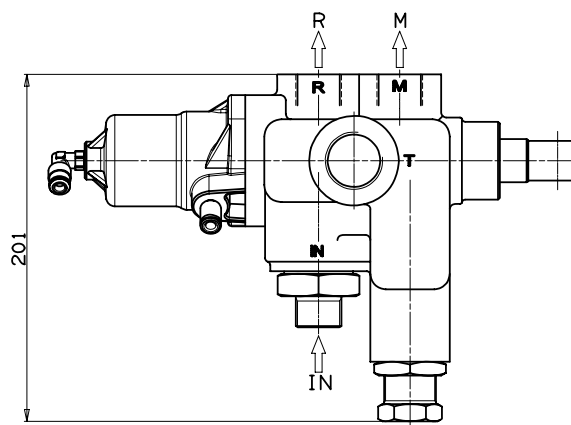
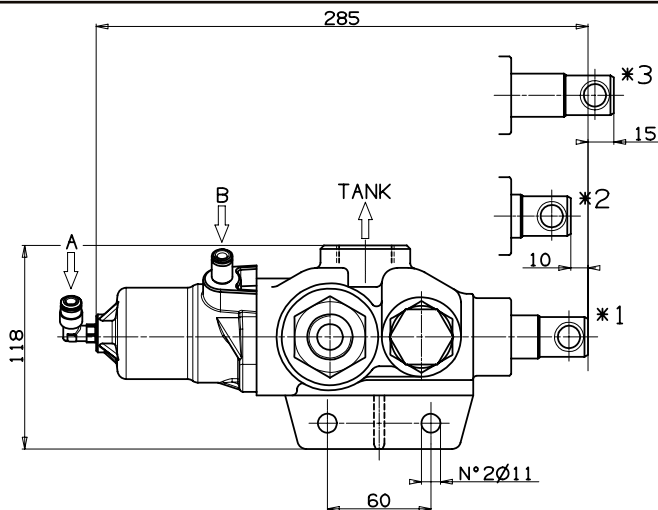
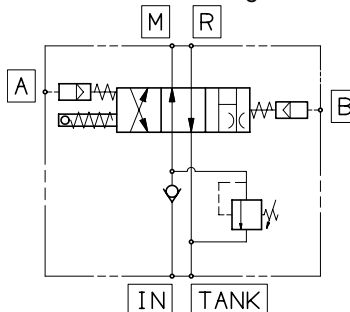
Hydraulic tipping valve, pneumatically controlled, closed center configuration (**not** in accordance with CE standards) especially designed for truck and trailer applications.

Slow lowering function available for both truck and trailer tipper bodies.

It can be operated either by 2 levers (NO PTO) or 3 levers pneumatic switch series LAM.

- Built-in check and adjustable relief valves (direct type).
- Mechanical direct end-of-stroke.
- Galvanized body and nickel spool.
- Guaranteed for oil temperature range -15+110 °C, viscosity range 12 ÷ 100 cSt and oil filtering 25 µm.

Schema di funzionamento Functional diagram



A= FLUSSO DEVIATO A R
FLOW SWITCH TO R

B= DISCESA LENTA
SLOW LOWERING

*1= SALITA M / DISCESA R
M TIPPING / R LOWERING

*2= DISCESA LENTA M E R
M AND R SLOW LOWERING

*3= DISCESA M / SALITA R
M LOWERING / R TIPPING

Tipo deviatore Tipping valve type	Codice ordinazione Order code	IN	TANK	R	M	Pressione / Pressure		Portata Flow l/min	Peso Weight Kg
		ISO 228	ISO 228	ISO 228	ISO 228	Esercizio In service bar	Max. Max. peak press. bar		
MR 200 DLV	12100902002	G 3/4	G 1	G 3/4	G 3/4	180	250	200	6

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26/08/2019

99712100901 Rev. AF

DEVIATORE OLEODINAMICO A COMANDO MANUALE MANUAL DIVERTER VALVE

CODICE FAMIGLIA
FAMILY CODE

121019

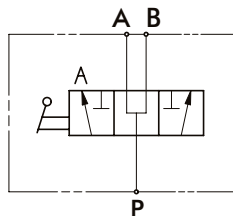
3 VIE ALTA PRESSIONE 3-WAY HIGH PRESSURE

Deviatore 3 vie alta pressione ad azionamento manuale per alimentazione indipendente di due circuiti oleodinamici, appositamente studiato per sopportare gli elevati picchi di pressione che si possono raggiungere su impianti Ribaltabile/Gru o Scarrabile/Gru.

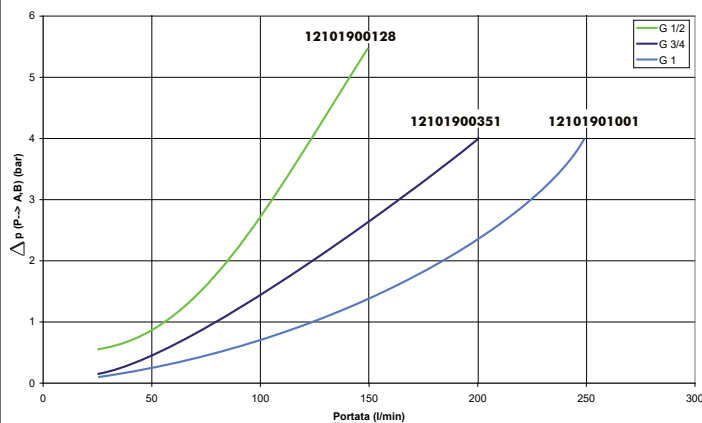
- Pressione fino a 400 bar.
- Schema a centro aperto per prevenire pericolosi colpi d'ariete in fase intermedia.
- Corpo zincato e cursore nichelato.
- Garantito per lavorare con olio a temperature $-15+110^{\circ}\text{C}$, campo di viscosità $12\div 100$ cSt e grado di filtrazione $25\text{ }\mu\text{m}$.

Manual 3-way high pressure diverter valve to control 2 pressure lines separately. Especially designed to afford pressure peaks of applications like Tipper/crane or hook-loader/crane.

- Pressure up to 400 bar.
- Open center scheme to prevent dangerous shocks while switching.
- Galvanized body and nickel spool.
- Guaranteed for oil temperature range $-15+110^{\circ}\text{C}$, viscosity range $12\div 100$ cSt and oil filtering $25\text{ }\mu\text{m}$.

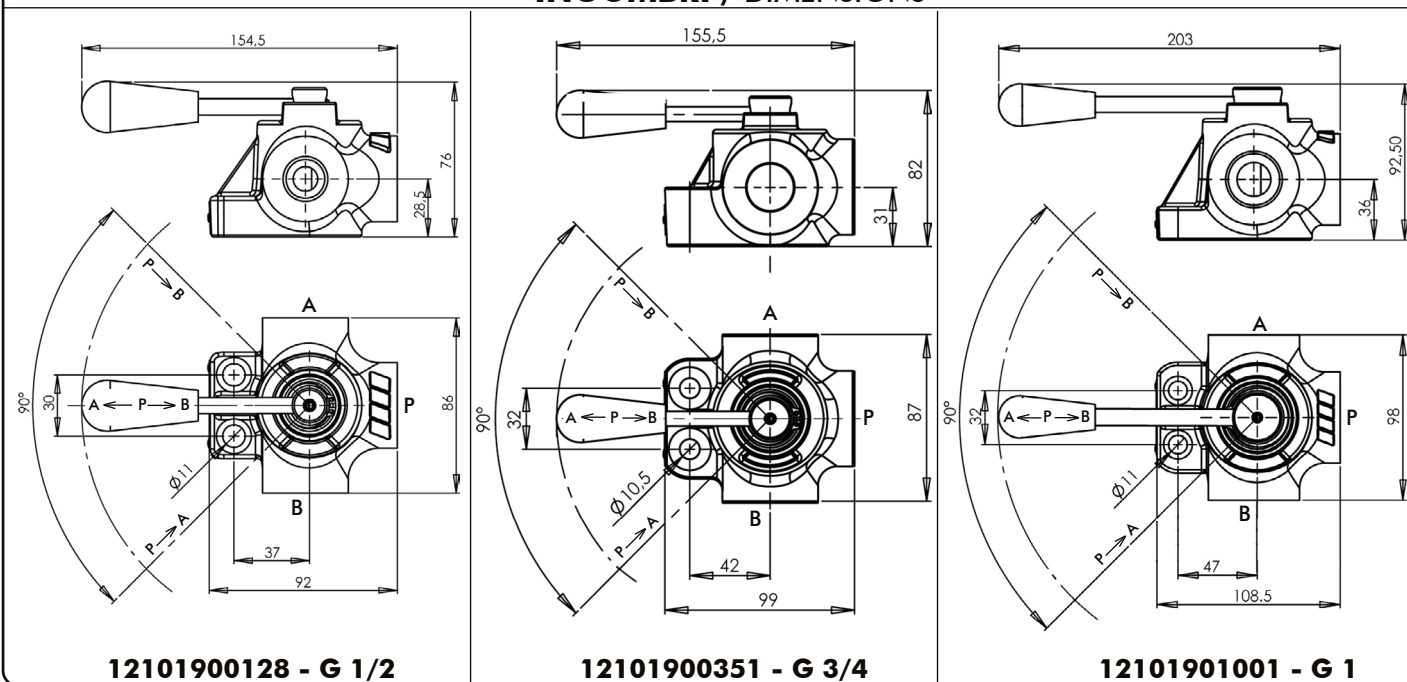


Perdite di carico / Pressure drops



Rilievi eseguiti con olio ISO VG 68 a 40°
The graph refers to oil type ISO VG 68 a 40°

INGOMBRI / DIMENSIONS



12101900128 - G 1/2

12101900351 - G 3/4

12101901001 - G 1

Tipo deviatore Tipping valve type	Codice Order code	Attacchi Port	Pressione / Pressure		Portata Flow	Peso Weight
			Esercizio In service bar	Max Max peak bar		
DVT FLS 3 VIE DVT VLV 3 WAYS	12101900128	G 1/2	380	400	100	1,8
	12101900351	G 3/4			150	2,15
	12101901001	G 1			220	3,7

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26/08/2019

99712101901 Rev: AF

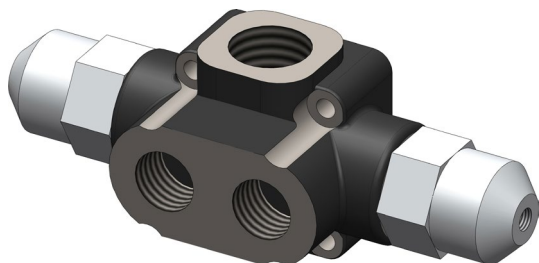
DEVIATORE OLEODINAMICO A COMANDO PNEUMATICO

CODICE FAMIGLIA
FAMILY CODE

121022

PNEUMATIC DIVERTER VALVE

3 VIE 3 POSIZIONI
3 WAY 3 POSITIONS
centro aperto - open center



Deviatore 3 vie ad azionamento pneumatico per alimentazione indipendente o contemporanea di due circuiti oleodinamici, tipicamente utilizzato per impianti a doppia cassa su semirimorchio o motrice/rimorchio.

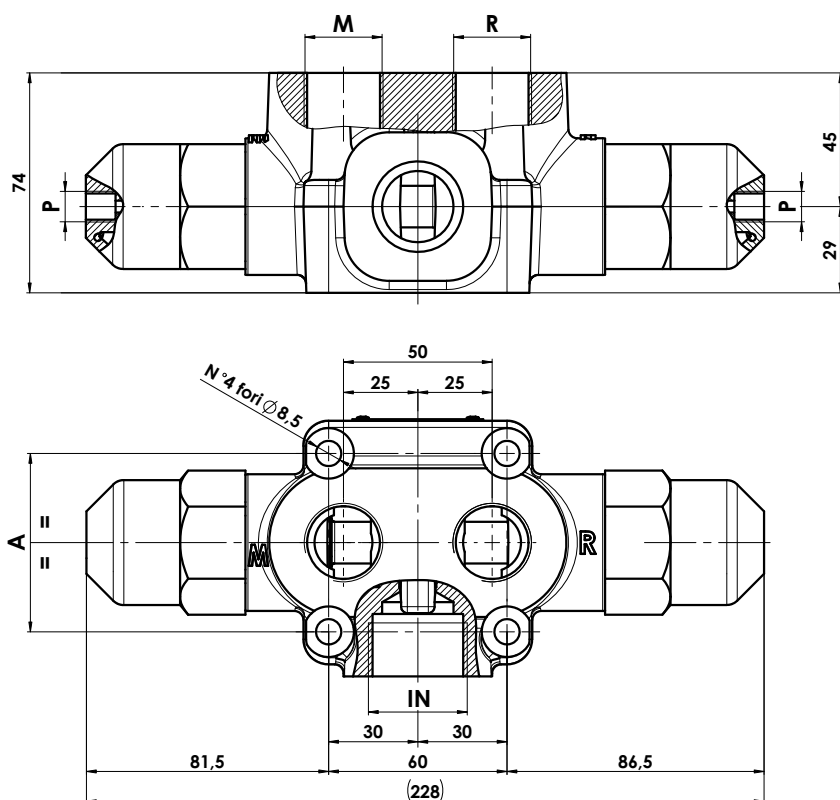
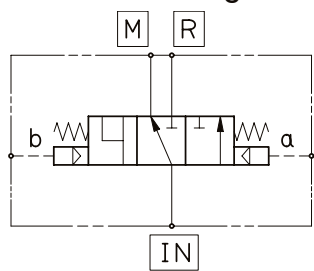
- Portata fino a 250 l/min.
- Pressione fino a 400 bar.
- Corpo zincato e cursore nichelato.
- Garantito per lavorare con olio a temperature -15+110°C, campo di viscosità 12÷100 cSt e grado di filtrazione 25 µm.

Pneumatic 3-way high pressure diverter valve to control 2 pressure lines separately. Especially designed for semi-trailers and truck/trailer.

- Flow up to 250 l/min.
- Pressure up to 400 bar.
- Galvanized body and nickel spool.
- Guaranteed for oil temperature range -15+110 °C, viscosity range 12÷100 cSt and oil filtering 25 µm.

Schema di funzionamento

Functional diagram



Tipo deviatore Tipping valve type	Codice Order code	Pressione / Pressure		Portata Flow l/min	Peso Weight kg
		Esercizio In service bar	Max Max peak pressure bar		
SEL 250-3	12102200123	350	400	250	3
	12192000260				

Tipo deviatore Tipping valve type	Codice Order code	P	A	IN	R	M
SEL 250-3	12102200123	G1/8	60	G1	G3/4	G3/4
	12192000260	1/8NPT	65	1 5/16-12 UN-2B	1 5/16-12 UN-2B	1 5/16-12 UN-2B

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HYDRAULIC COMPONENTS

99740012120

13/01/2020

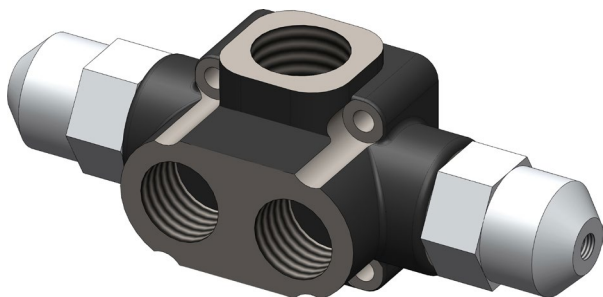
99712102201 Rev. AI

DEVIATORE OLEODINAMICO A COMANDO PNEUMATICO PNEUMATIC DIVERTER VALVE

CODICE FAMIGLIA
FAMILY CODE

121022

3 VIE 3 POSIZIONI
3 WAY 3 POSITIONS
centro chiuso - closed center



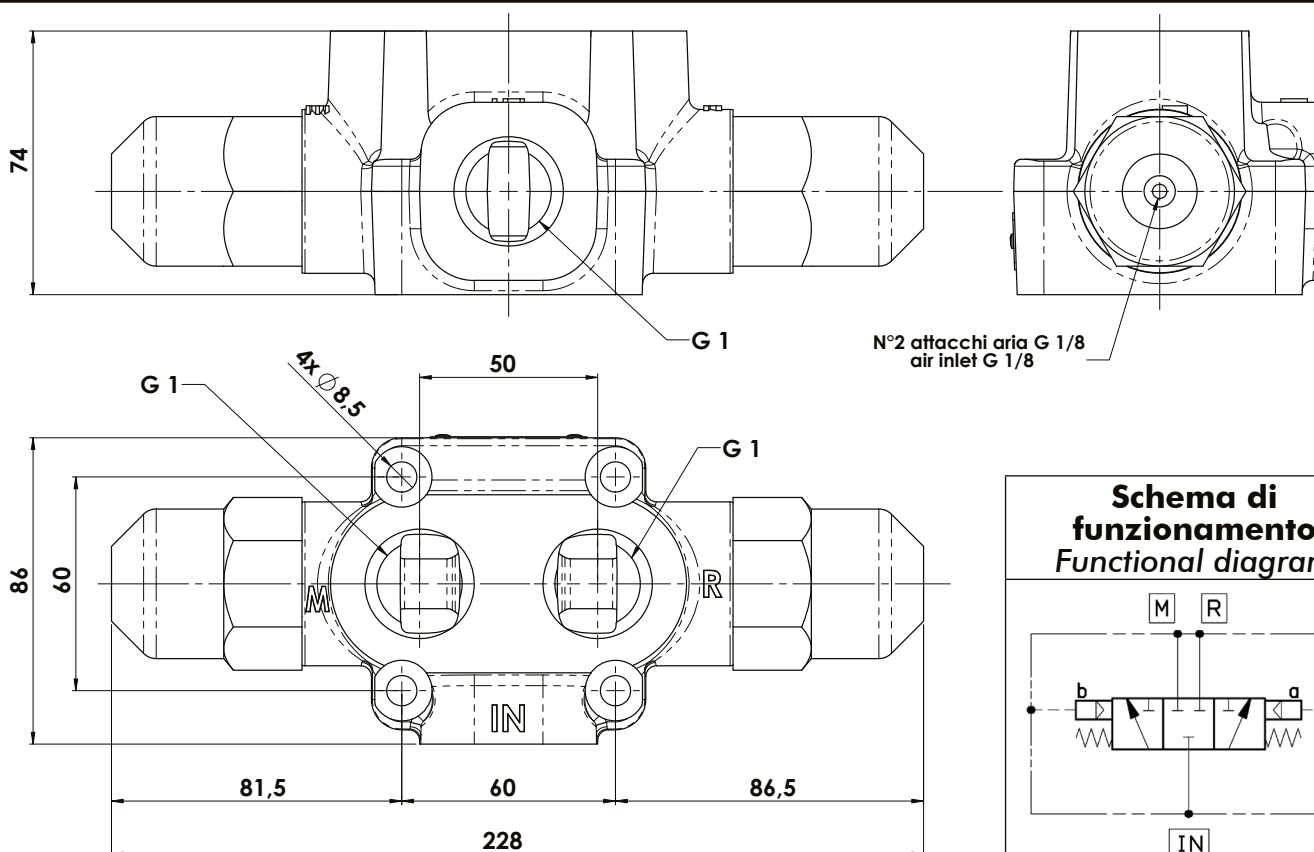
Deviatore 3 vie a centro chiuso ad azionamento pneumatico per alimentazione indipendente o contemporanea di due circuiti oleodinamici, tipicamente utilizzato per impianti a doppia cassa su semirimorchio o motrice/rimorchio.

- Portata fino a 250 l/min.
- Pressione fino a 400 bar.
- Corpo zincato e cursore nichelato.

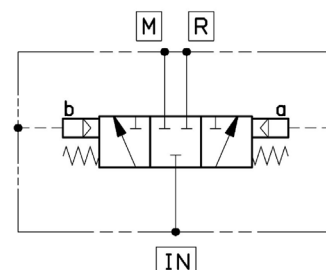
Pneumatic closed centre 3-way high pressure diverter valve to control 2 pressure lines separately. Especially designed for semi-trailers and truck/trailer.

- Flow up to 250 l/min.
- Pressure up to 400 bar.
- Galvanized body and nickel spool.

99740012120



**Schema di
funzionamento**
Functional diagram



13/03/2014

99712102203 Rev: //

Tipo deviatore Tipping valve type	Codice Order code	Pressione Pressure		Portata Flow	Peso Weight
		Esercizio In service bar	Max Max peak pressure bar		
SEL 250-3	12102200169	400	450	250	3

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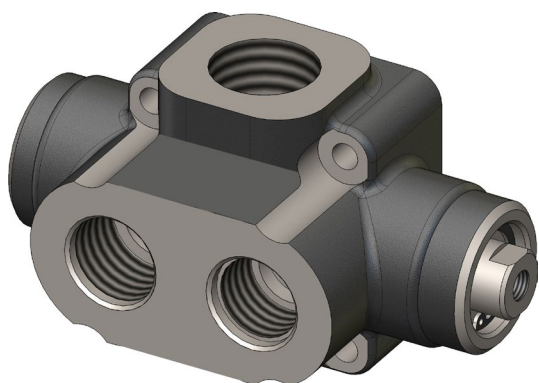
DEVIATORE OLEODINAMICO A COMANDO PNEUMATICO

PNEUMATIC DIVERTER VALVE

CODICE FAMIGLIA
FAMILY CODE

121022

3 VIE 2 POSIZIONI
3-WAY 2-POSITION



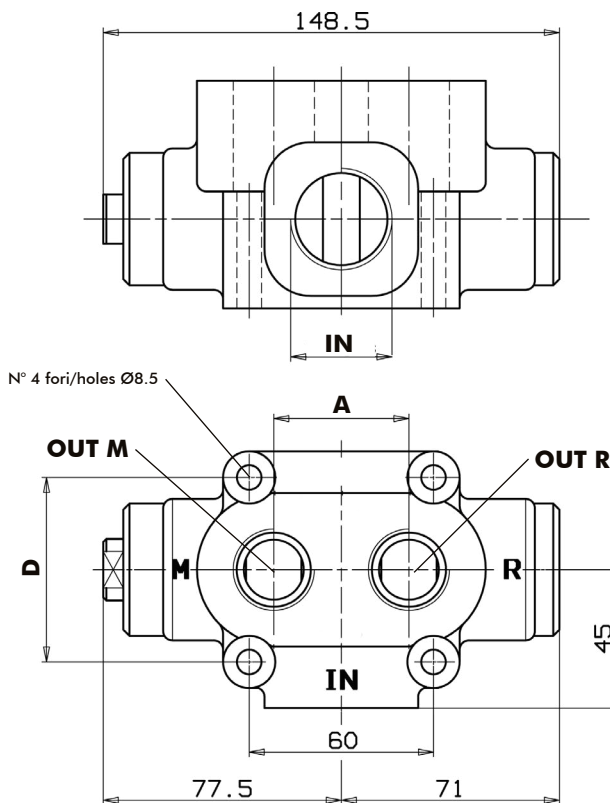
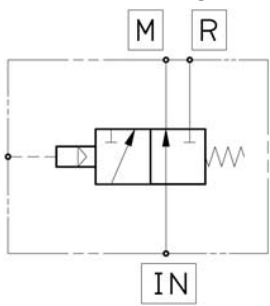
Deviatore 3 vie ad azionamento pneumatico per alimentazione indipendente di due circuiti oleodinamici, tipicamente utilizzato per impianti Ribaltabile/Gru o Motrice/Rimorchio.

- Portata fino a 250 l/min.
- Pressione fino a 400 bar.
- Schema a centro aperto per prevenire pericolosi colpi d'ariete in fase intermedia.
- Corpo zincato e cursore Nichelato.
- Garantito per lavorare con olio a temperature -15+110°C, campo di viscosità 12÷100 cSt e grado di filtrazione 25 µm.

Pneumatic 3-way high pressure diverter valve to control 2 pressure lines separately. Especially designed for applications like Tipper/Crane or Truck/Trailer.

- Flow up to 250 l/min.
- Pressure up to 400 bar.
- Open center scheme to prevent dangerous shocks while switching.
- Body c/w anti-corrosion coating and Nickel spool.
- Guaranteed for oil temperature range -15+110 °C, viscosity range 12÷100 cSt and oil filtering 25 µm.

Schema di funzionamento Functional diagram



Tipo deviatore Tipping valve type	Codice Order code	Pressione / Pressure Esercizio In service bar	Max Max peak pressure bar	Portata Flow l/min	A	IN	OUT M e R	D	Peso Weight kg
SEL 250-2	12102200132	350	400	250	50	G 1	G 3/4	60	2,5
	12102200141					G 1	G 1	65	
SEL 200-2	12102200150			200		G 3/4	G 3/4	60	



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99740012120

23/09/2020

99712102202 Rev: AN

CODICE
CODE

121030

FINECORSA IN TRAZIONE **O SPINTA NORMALMENTE APERTO** **END STROKE VALVES, NORMALLY OPENED**



Valvola utilizzata per bloccare l'immissione di olio in un circuito idraulico o per fermare la corsa di un attuatore (valvola normalmente aperta). La chiusura della valvola, ottenuta azionando il cursore in trazione o spinta, permette un arresto immediato e totale del flusso di olio.

Corpo: ghisa
Componenti interni: acciaio temprato termicamente e rettificato
Guarnizioni: BUNA N standard
Tenuta: trafilemento trascurabile
Temperatura olio: 50°
Viscosità olio: 30cSt

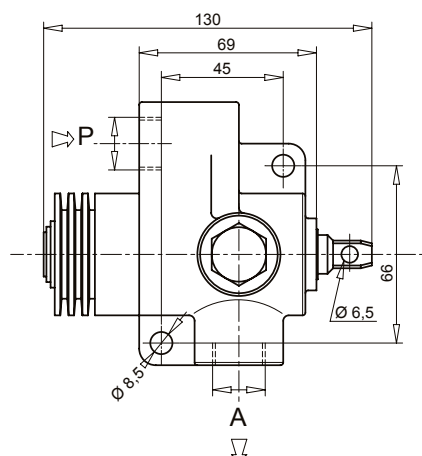
This valve is used to stop oil inlet in a hydraulic circuit or to stop acuator's stroke (normally opened valve). The valve closing, obtained by pulling or pushing the slider, allows an immediate and total stop of the oil flow.

Body: cast iron
Internal parts: grounded and hardened steel
Seals: BUNA N standard
Tightness: minor leakage
Oil temperature: 50° C
Oil viscosity: 30 cSt

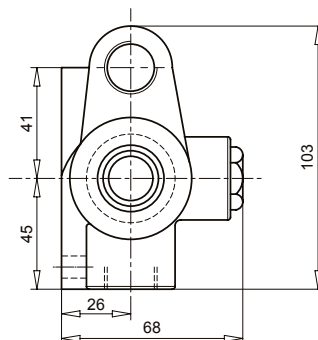
99740012120

24/11/2020

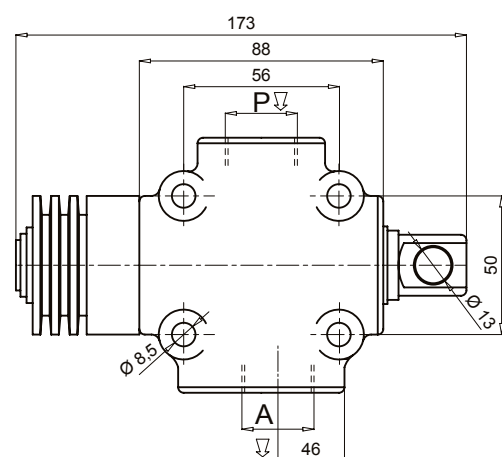
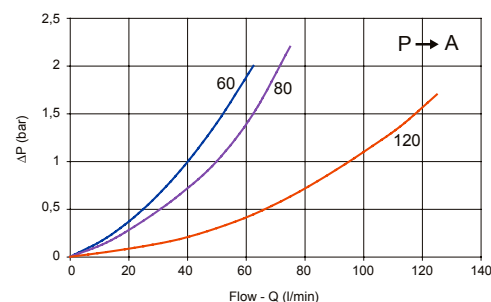
99712130006 Rev: //



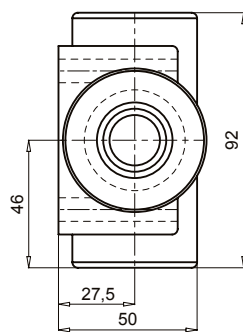
12103010014
12103010032



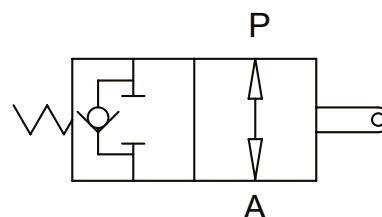
Perdite di carico **Pressure drops curve**



12103010050



Schema idraulico **Hydraulic diagram**



Codice Order code	A - P GAS	Portata Flow l/min	Pressione max Max pressure bar	Corsa max Max stroke mm	Peso Weight kg
12103010014	G 3/8"	60	350	20,5	1,62
12103010032	G 1/2"	80			1,61
12103010050	G 3/4"	120		15,5	2,11

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O.M.F.B. S.p.A. Hydraulic Components

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HYDRAULIC COMPONENTS

FINECORSA IN TRAZIONE **O SPINTA NORMALMENTE CHIUSO** **END STROKE VALVES, NORMALLY CLOSED**

CODICE
CODE

121030



Valvola utilizzata per aprire il passaggio di olio in un circuito idraulico (valvola normalmente chiusa). L'apertura della valvola è ottenuta azionando il cursore in trazione o spinta.

Corpo: ghisa

Componenti interni: acciaio temprato termicamente e rettificato

Guarnizioni: BUNA N standard

Tenuta: trafilamento trascurabile

Temperatura olio: 50°

Viscosità olio: 30cSt

This valve is used to enable oil inlet in a hydraulic circuit (normally closed valve). The valve opens by pulling or pushing the slider.

Body: cast iron

Internal parts: grounded and hardened steel

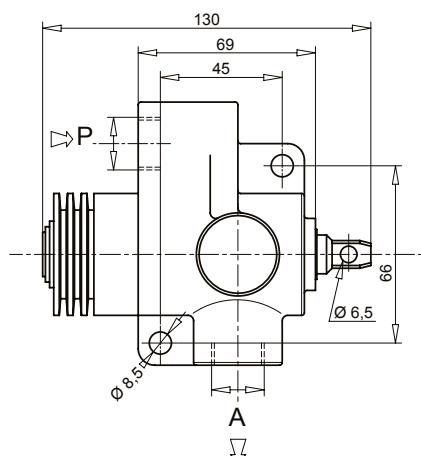
Seals: BUNA N standard

Tightness: minor leakage

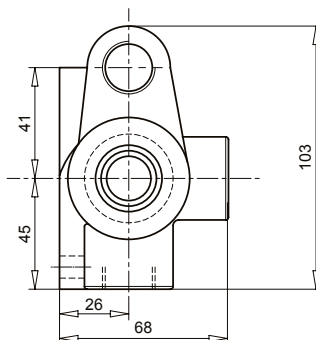
Oil temperature: 50° C

Oil viscosity: 30 cSt

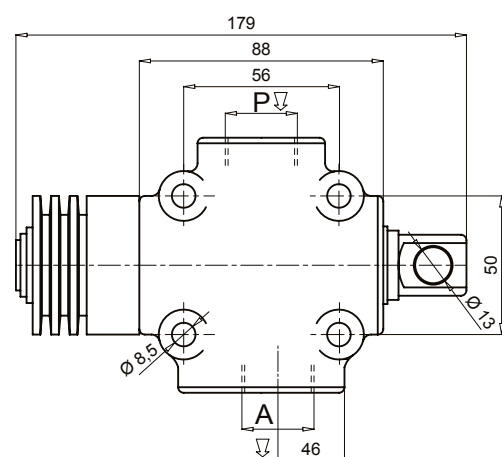
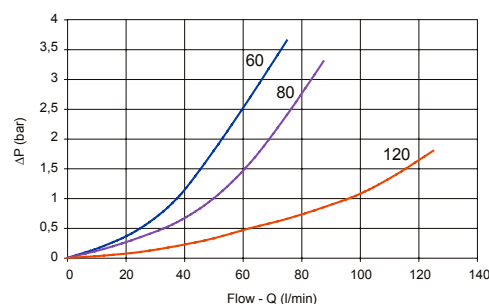
99740012120



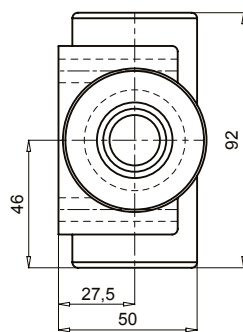
12103010023
12103010041



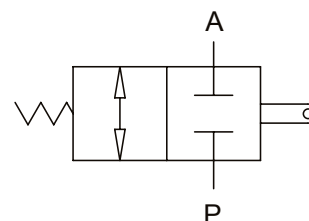
Perdite di carico **Pressure drops curve**



12103010069



Schema idraulico **Hydraulic diagram**



24/11/2020

99712130015 Rev: //

Codice Order code	A - P GAS	Portata Flow l/min	Pressione max Max pressure bar	Corsa max Max stroke mm	Peso Weight kg
12103010023	G 3/8"	60	350	20,5	1,64
12103010041	G 1/2"	80			1,65
12103010069	G 3/4"	120		15,5	2,20

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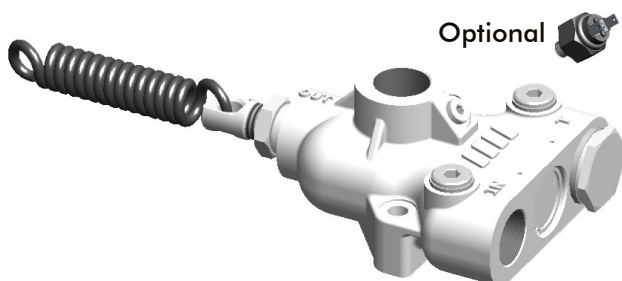
DEVIATORE OLEODINAMICO DI FINE CORSA COMANDO MECCANICO

CODICE
CODE

121035200

“RUNSTOP 200”

MECHANICAL HYDRAULIC END-OF-STROKE VALVE



Deviatore di fine corsa appositamente studiato per l'impiego su rimorchi e semirimorchi sia con impianto ad un tubo che a due tubi. Lo schema idraulico di “scambio” infatti, oltre a proteggere il cilindro da eventuali picchi di pressione, ne consente l'utilizzo sia come centro aperto che come centro chiuso. L'innovativa configurazione ne agevola l'installazione garantendo un notevole risparmio di raccordi e ingombri contenuti, soprattutto nella versione con nipplo snodato optional.

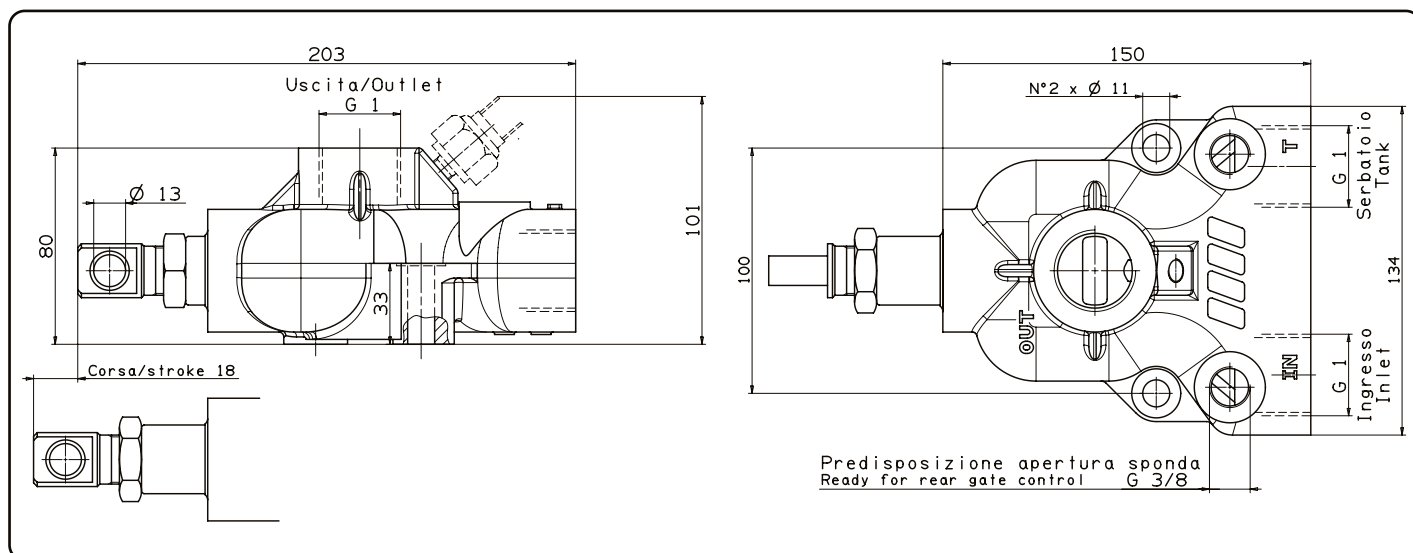
- Azionamento meccanico.
- Portata fino a 200 l/min.
- Corpo in ghisa sferoidale per sopportare pressioni fino a 400 bar.
- Corpo zincato e cursore nichelato.
- Predisposizione per segnalatore di pressione e apertura sponda posteriore
- Molla parastrappi ad alta resistenza inclusa.
- Garantito per lavorare con olio a temperature -15+110°C, campo di viscosità 12÷100 cSt e grado di filtrazione 25 µm.

End of stroke valve especially designed for trailers and semi-trailers either with 1 pipe or 2 pipes configurations. The special hydraulic scheme allows the valve to be used for either open or closed center circuits. Furthermore it prevents the cylinder from any pressure peaks.

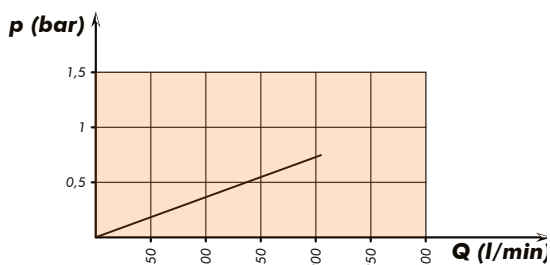
The innovative and compact design makes the fitting easier and cost effective.

- Mechanical runstop valve.
- Flow up to 200 l/min.
- Cast iron body resistant to pressure up to 400 bar.
- Galvanized body and nickel spool.
- Pressure switch option.
- High-resistance anti-shock spring.
- Guaranteed for oil temperature range -15+110 °C, viscosity range 12÷100 cSt and oil filtering 25 µm.

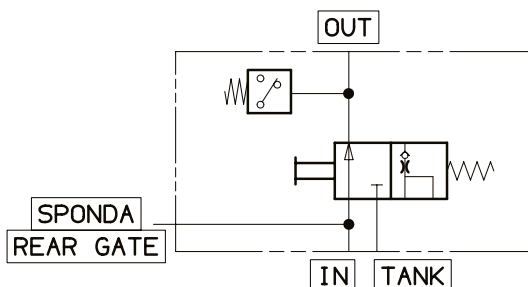
99740012120



Perdite di carico Pressure drops



Schema di funzionamento Functional diagram



Tipo deviatore
Tipping valve type

Codice
Order code

Pressure
Pressure
Max
Max pressure
bar

Portata
Flow

Peso
Weight

RUNSTOP 200

12103500200

350

200

4,8

pag.201



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03/10/2017

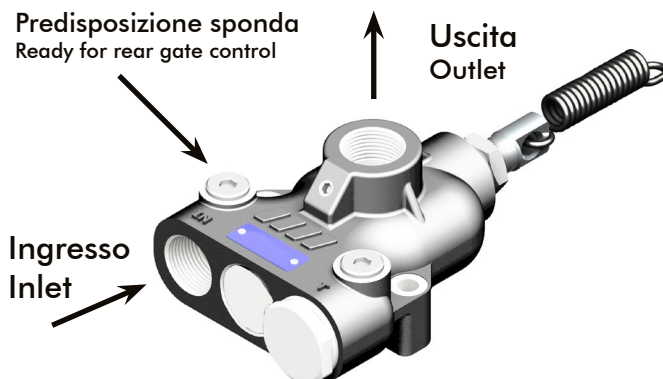
99712103520 Rev. AG

Collegamento per impianto a 1 tubo

1 Pipe configuration

In questa configurazione il RUNSTOP interrompe il flusso dell'olio al cilindro e tutta la mandata viene dirottata allo scarico tramite la valvola di massima del deviatore. Si consiglia l'utilizzo di deviatori con valvole di massima pilotate, come la serie modular "pilot valve".

By this configuration the RUNSTOP valve interrupts the oil flow to the cylinder and the delivery is diverted to the outlet through the relief valve of the main tipping valve. In this case we recommend to use tipping valves c/w piloted relief valves like our modular pilot valve series.



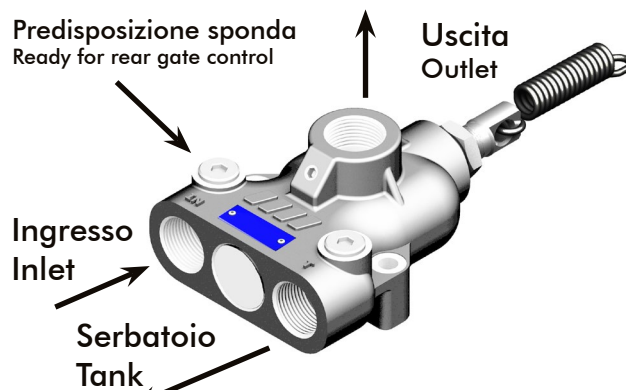
99740012120

Collegamento per impianto a 2 tubi

2 Pipes configuration

In questa configurazione il RUNSTOP interrompe il flusso dell'olio al cilindro e tutta la mandata viene dirottata allo scarico tramite il secondo tubo collegato al serbatoio.

By this configuration the RUNSTOP valve interrupts the oil flow to the cylinder and the delivery is diverted to the outlet through the second pipe connected to the oil tank.



03/10/2017

99712103520 Rev: AG

DEVIATORE FINECORSA 1" RUNSTOP 200 Lt + VALV. LIMITATR.

**CODICE
CODE**

12103500226

MECHANICAL HYDRAULIC END OF STROKE VALVE RUNSTOP 200 Lt + CARTRIDGE VALVE

RUNSTOP 200 + VLV. LIMITATRICE



OPTIONAL

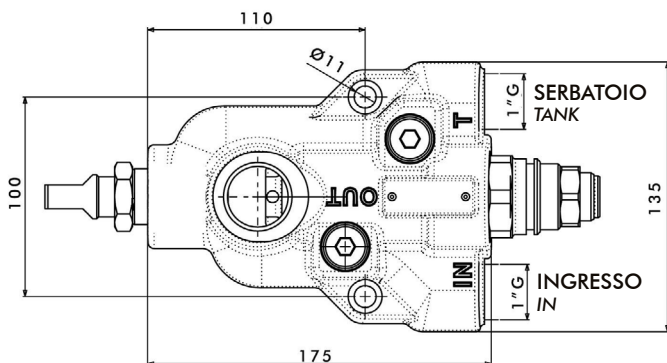
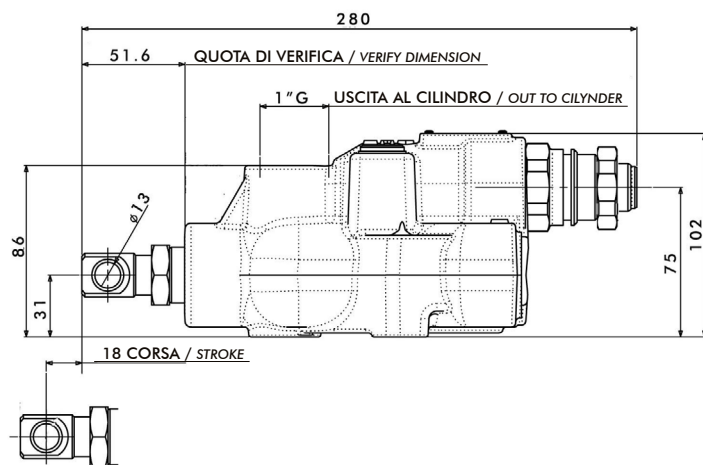
Deviatore di fine corsa appositamente studiato per l'impiego su rimorchi e semirimorchi dotato di valvola limitatrice di pressione tipo "cartridge" incorporata che, utilizzata con impianto a due tubi, permette di proteggere il cilindro da eventuali picchi di pressione. L'innovativa configurazione ne agevola l'installazione garantendo un notevole risparmio di raccordi e ingombri contenuti, soprattutto nella versione con nipplo snodato optional.

- Azionamento meccanico.
- Portata fino a 200 l/min.
- Corpo in ghisa sferoidale per sopportare pressioni fino a 400 bar.
- Corpo zincato e cursore nichelato.
- Predisposizione per segnalatore di pressione.
- Molla parastrappi ad alta resistenza inclusa.
- Garantito per lavorare con olio a temperature -15+110°C, campo di viscosità 12÷100 cSt e grado di filtrazione 25 µm.

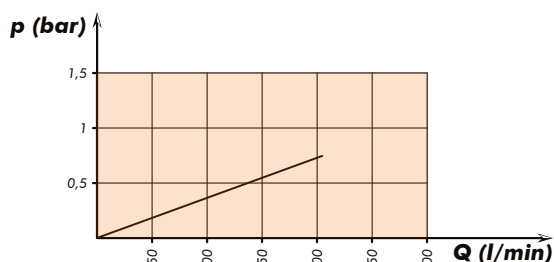
End of stroke valve developed for trailers and semitrailers applications; the built-in Max Pressure Valve "cartridge" type, when used in two-pipes circuits, allows to protect the cylinder from pressure peaks.

The innovative and compact design makes the fitting easier and cost effective.

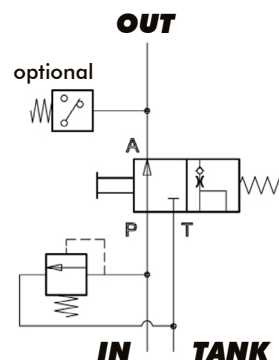
- Mechanical runstop valve.
- Flow up to 200 l/min.
- Cast iron body resistant to pressure up to 400 bar.
- Galvanized body and nickel spool.
- Pressure switch option.
- High-resistance anti-shock spring.
- Guaranteed for oil temperature range -15+110 °C, viscosity range 12÷100 cSt and oil filtering 25 µm.



Perdite di carico da OUT a TANK Pressure drops OUT to TANK



Schema di funzionamento Functional diagram



Tipo deviatore
Tipping valve type

Codice
Order code

Pressione max.
Max. pressure

Portata
Flow

Peso
Weight

RUNSTOP 200 1"

12103500226

250 bar

l/min.

200

Kg

5.2

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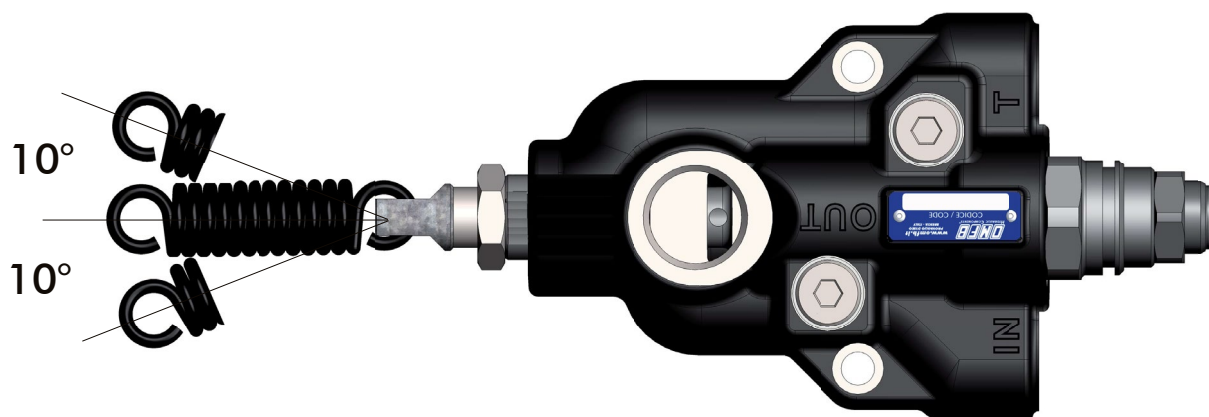
99740012120

26/08/2019

99712103522 Rev: AD

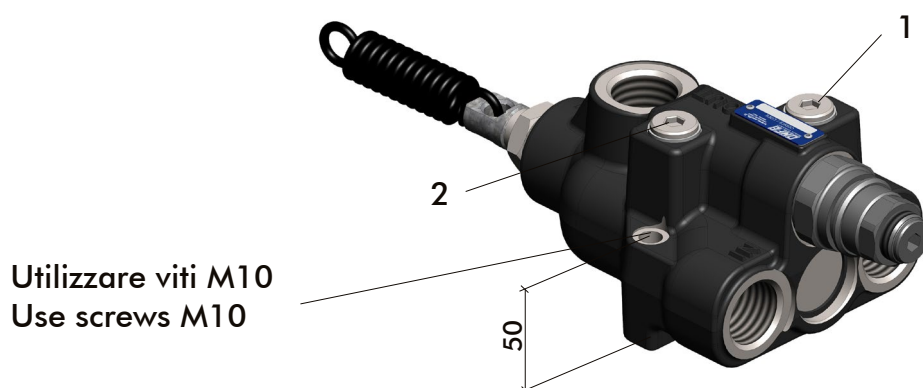
ISTRUZIONI DI MONTAGGIO E UTILIZZO

INSTALLATION AND USER MANUAL



La molla deve essere montata in modo che lavori con una angolazione max. di 10° rispetto all'asse. Assicurarsi che la molla stessa, in condizioni di riposo, resti in posizione orizzontale.

The spring has to be positioned in such a way that its maximum working angle is not over than 10°. Make sure that spring while in rest point is horizontally positioned.



I punti 1 e 2 sono attacchi ausiliari di pressione (P) e scarico (S) da 3/8"G per apertura sponde.

The ports 1 and 2 are auxiliary outlets for pressure (P) and return (S) to 3/8"G to opening doors.

DEVIATORE OLEODINAMICO DI FINE CORSA COMANDO MECCANICO/PNEUMATICO MECHANICAL/PNEUMATIC HYDRAULIC END-OF-STROKE VALVE

CODICE
CODE

12103510206

“RUNSTOP 200”

Optional



Deviatore di fine corsa appositamente studiato per l'impiego su rimorchi e semirimorchi sia con impianto ad un tubo che a due tubi. Lo schema idraulico di "scambio" infatti, oltre a proteggere il cilindro da eventuali picchi di pressione, ne consente l'utilizzo sia come centro aperto che come centro chiuso. L'innovativa configurazione ne agevola l'installazione garantendo un notevole risparmio di raccordi e ingombri contenuti, soprattutto nella versione con nipplo snodato optional.

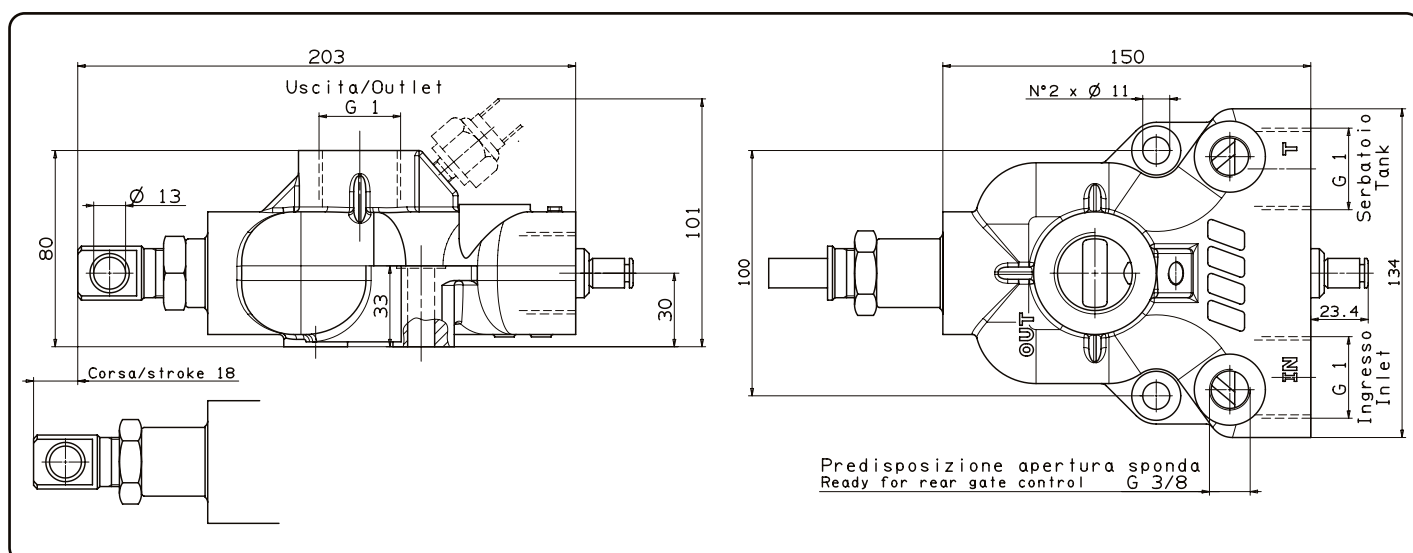
- Azionamento meccanico/pneumatico.
- Portata fino a 200 l/min.
- Corpo in ghisa sferoidale per sopportare pressioni fino a 400 bar.
- Corpo zincato e cursore nichelato.
- Predisposizione per segnalatore di pressione e apertura sponda posteriore
- Molla parastrappi ad alta resistenza inclusa.
- Garantito per lavorare con olio a temperature -15+110°C, campo di viscosità 12÷100 cSt e grado di filtrazione 25 µm.

End of stroke valve especially designed for trailers and semi-trailers either with 1 pipe or 2 pipes configurations. The special hydraulic scheme allows the valve to be used for either open or closed center circuits. Furthermore it prevents the cylinder from any pressure peaks.

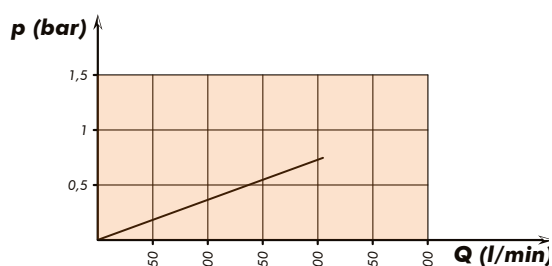
The innovative and compact design makes the fitting easier and cost effective.

- Mechanical/pneumatic runstop valve.
- Flow up to 200 l/min.
- Cast iron body resistant to pressure up to 400 bar.
- Galvanized body and nickel spool.
- Pressure switch option.
- High-resistance anti-shock spring.
- Guaranteed for oil temperature range -15+110 °C, viscosity range 12÷100 cSt and oil filtering 25 µm.

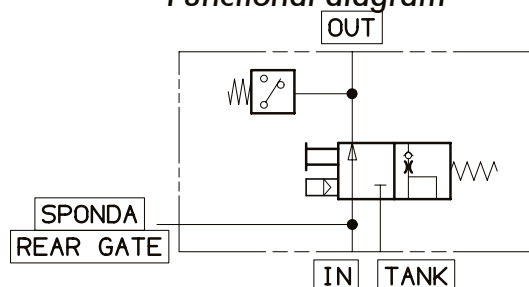
99740012120



Perdite di carico Pressure drops



Schema di funzionamento Functional diagram



26/08/2019

99712110206 Rev: AF

Tipo deviatore Tipping valve type	Codice Order code	Pressure Pressure Max Max pressure bar	Portata Flow l/min	Peso Weight kg
RUNSTOP 200	12103510206	350	200	4,8

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Collegamento per impianto a 1 tubo

1 Pipe configuration

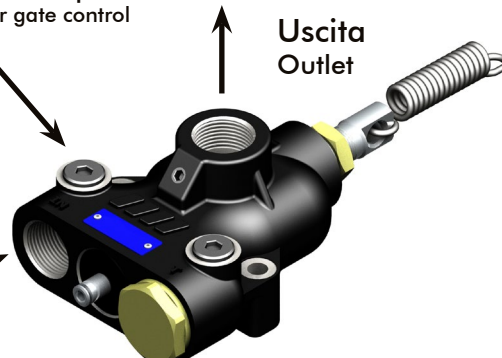
In questa configurazione il RUNSTOP interrompe il flusso dell'olio al cilindro e tutta la mandata viene dirottata allo scarico tramite la valvola di massima del deviatore. Si consiglia l'utilizzo di deviatori con valvole di massima pilotate, come la serie modular "pilot valve".

By this configuration the RUNSTOP valve interrupts the oil flow to the cylinder and the delivery is diverted to the outlet through the relief valve of the main tipping valve. In this case we recommend to use tipping valves c/w piloted relief valves like our modular pilot valve series.

Predisposizione sponda
Ready for rear gate control

Uscita
Outlet

Ingresso
Inlet



99740012120

Collegamento per impianto a 2 tubi

2 Pipes configuration

In questa configurazione il RUNSTOP interrompe il flusso dell'olio al cilindro e tutta la mandata viene dirottata allo scarico tramite il secondo tubo collegato al serbatoio.

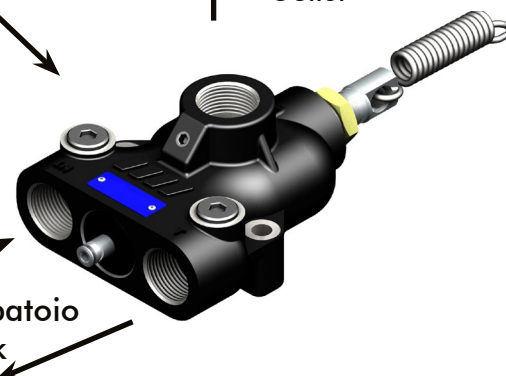
By this configuration the RUNSTOP valve interrupts the oil flow to the cylinder and the delivery is diverted to the outlet through the second pipe connected to the oil tank.

Predisposizione sponda
Ready for rear gate control

Uscita
Outlet

Ingresso
Inlet

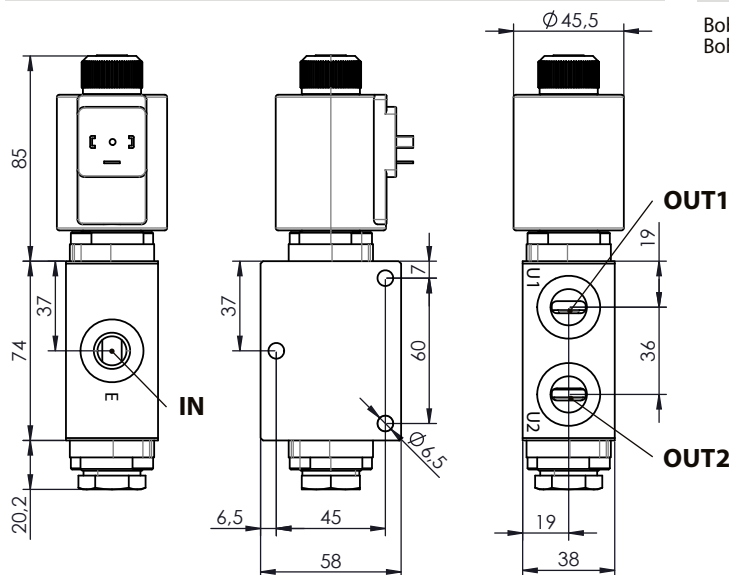
Serbatoio
Tank



26/08/2019

99712110206 Rev: AF

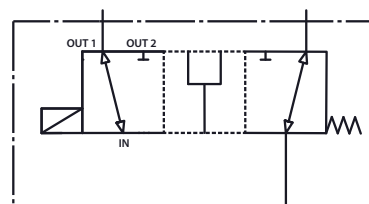
Ingombro / Dimensions



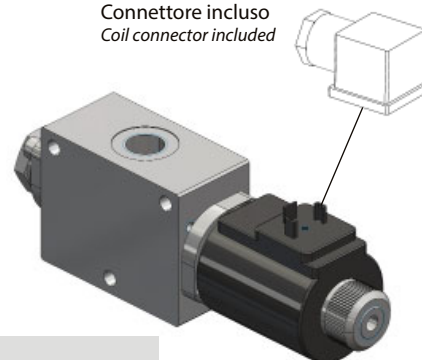
Ricambi / Spare parts

Bobina / Coil 12V 12190200164
Bobina / Coil 24V 12190200173

**Schema di funzionamento
Functional diagram**



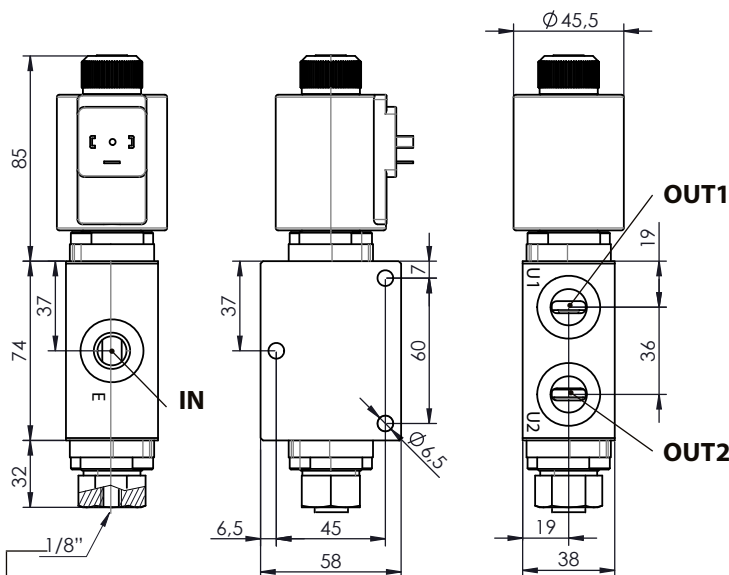
Connettore incluso
Coil connector included



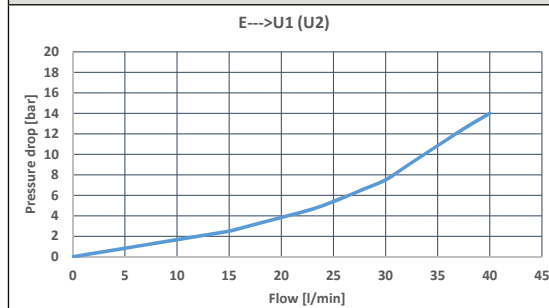
Codice di ordinazione / Order code

	Descrizione Description	Attacchi Ports	Tensione Voltage	Potenza Power	Portata max. Max. flow	Pressione max. Max. pressure
			V	W	l/min	bar
12192024048	Deviatore 3/2 Comando elettrico 3/2 solenoid control diverter flow	G 3/8	24	46	40	250
12192012051	Deviatore 3/2 Comando elettrico 3/2 solenoid control diverter flow		12			

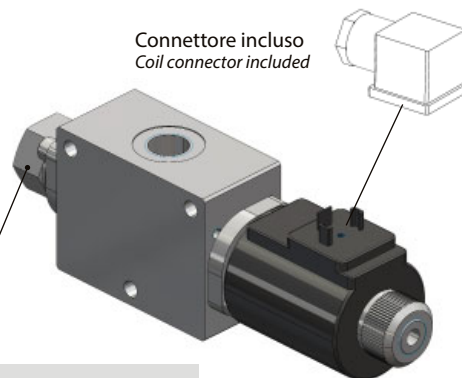
Ingombro con drenaggio / Dimensions with drain



12192024048-12192012051-12192000047-12192012042



Connettore incluso
Coil connector included

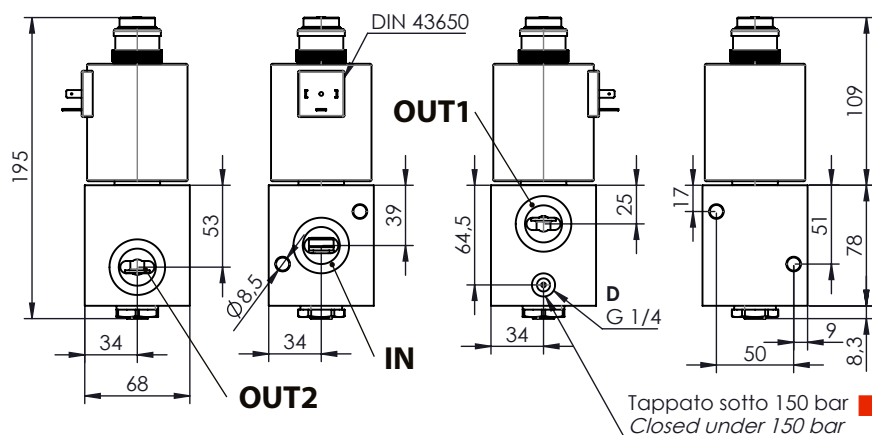


CON DRENAGGIO - Collegare a serbatoio su applicazioni con pressioni superiori a 250 bar.
WITH DRAIN - Connect to tank on application with pressures over 250 bar.

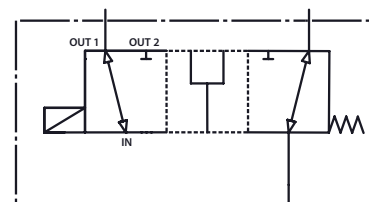
Codice di ordinazione / Order code

	Descrizione Description	Attacchi Ports	Tensione Voltage	Potenza Power	Portata max. Max. flow	Pressione max. Max. pressure
			V	W	l/min	bar
12192000047	Deviatore 3/2 HP Comando elettrico 3/2 HP solenoid control diverter flow	G 3/8	24	46	40	400
12192012042	Deviatore 3/2 HP Comando elettrico 3/2 HP solenoid control diverter flow		12			

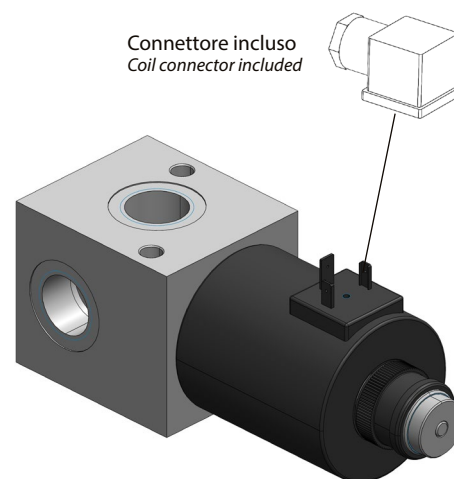
Ingombro / Dimensions



Schema di funzionamento
Functional diagram



Connettore incluso
Coil connector included



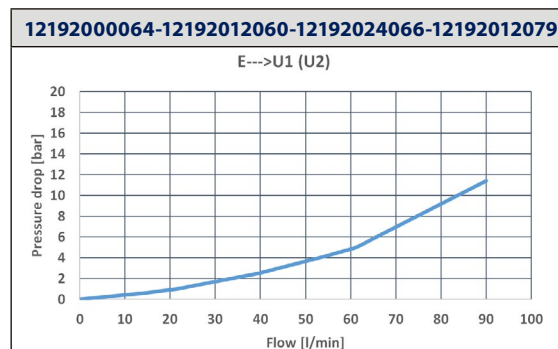
Codice di ordinazione / Order code

	Descrizione Description	Attacchi Ports	Tensione Voltage	Potenza Power	Portata max. Max. flow	Pressione max. Max. pressure
			V	W	l/min	bar
12192000064	Deviatore 3/2 HP Comando elettrico 3/2 HP solenoid control diverter flow	G 3/4	24	60	90	400
12192012060	Deviatore 3/2 HP Comando elettrico 3/2 HP solenoid control diverter flow		12			
12192024066	Deviatore 3/2 Comando elettrico 3/2 solenoid control diverter flow		24			250
12192012079	Deviatore 3/2 Comando elettrico 3/2 solenoid control diverter flow		12			

Collegare a serbatoio su applicazioni con pressioni superiori a 150 bar.
Connect to tank on application with pressures over 150 bar.

Ricambi / Spare parts

Bobina / Coil 12V 12190200280
Bobina / Coil 24V 12190200299

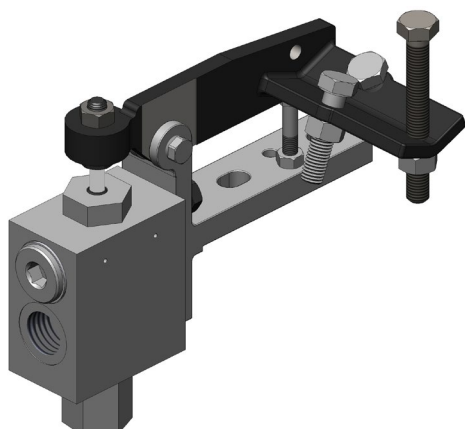


VALVOLA FINECORSA TRILATERALE

3-WAY KNOCK-OFF VALVE

CODICE
CODE

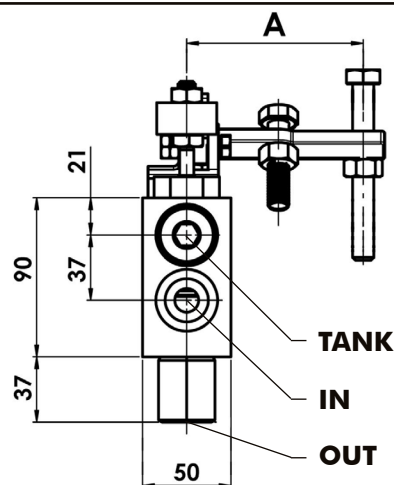
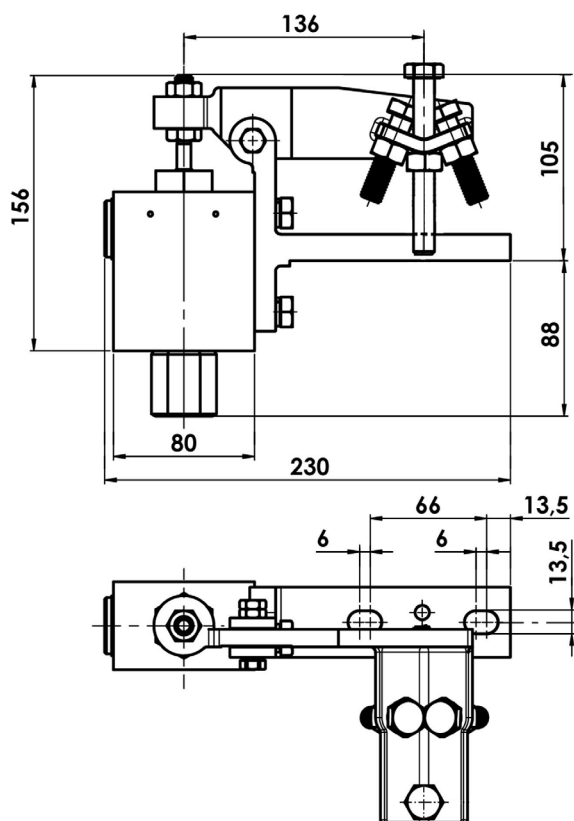
12399100305
12399100332



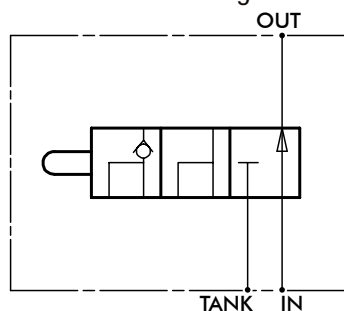
Valvola di fine corsa appositamente studiata per il montaggio sulla culla dei ribaltabili trilaterali, con commutazione della portata di scarico.
Garantito per lavorare con olio a temperature $-15+110^{\circ}\text{C}$, campo di viscosità $12 \div 100$ cSt e grado di filtrazione $25\text{ }\mu\text{m}$.

Knock-off valve especially designed for mounting onto the cylinder's cradle of 3-way tipper trucks. When activated the oil is diverted to tank.
Guaranteed for oil temperature range $-15+110^{\circ}\text{C}$, viscosity range $12 \div 100$ cSt and oil filtering $25\text{ }\mu\text{m}$.

Codice Code	OUT	IN	TANK	A mm	Portata Flow l/min.	Pressione massima Max. pressure bar
12399100305	G 3/4	G 3/4	G 3/4	80	100	300
12399100332				100		

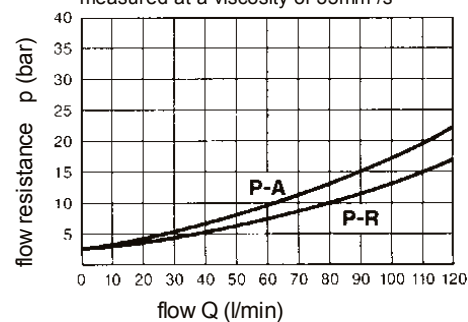


Schema di funzionamento Functional diagram



p-Q characteristic lines

measured at a viscosity of $35\text{ mm}^2/\text{s}$



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O.M.F.B. S.p.A. Hydraulic Components

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99740012120

16/12/2013

99712399130 Rev. AC

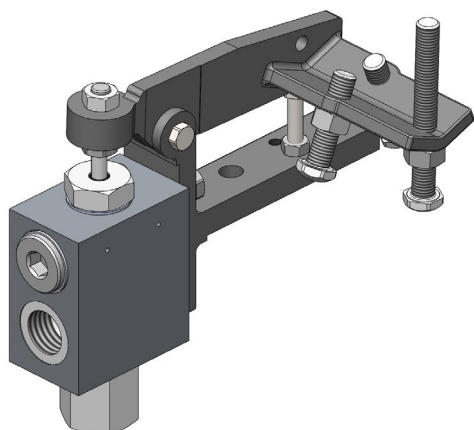
VALVOLA FINECORSA TRILATERALE

3-WAY KNOCK-OFF VALVE

CODICE
CODE

12399100421
12399100430

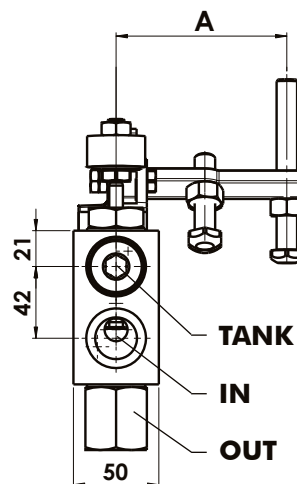
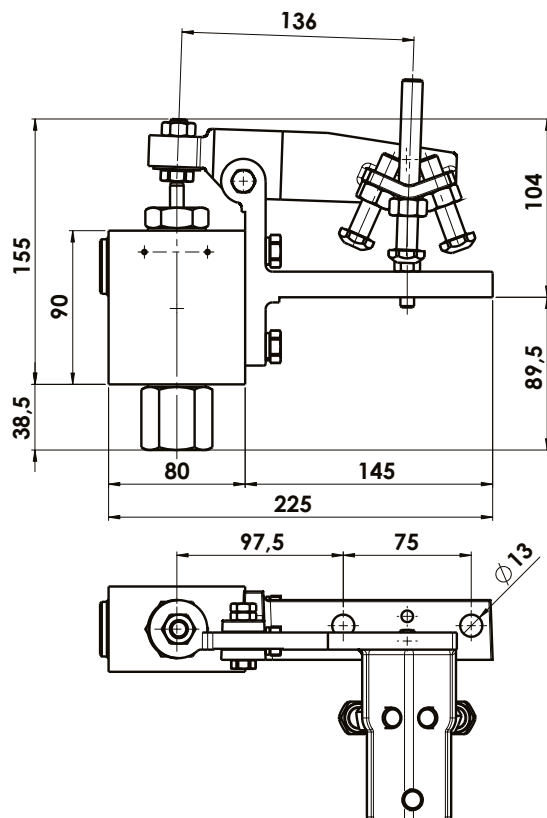
99740012120



Valvola di fine corsa appositamente studiata per il montaggio sulla culla dei ribaltabili trilaterali, con commutazione della portata di scarico.
Garantito per lavorare con olio a temperature $-15+110^{\circ}\text{C}$, campo di viscosità $12 \div 100 \text{ cSt}$ e grado di filtrazione $25 \mu\text{m}$.

Knock-off valve especially designed for mounting onto the cylinder's cradle of 3-way tipper trucks. When activated the oil is diverted to tank.
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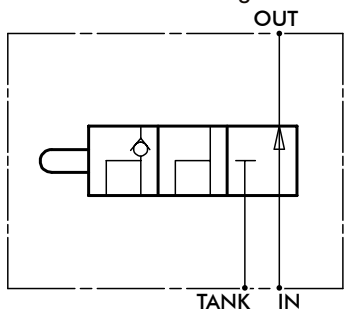
Codice Code	OUT	IN	TANK	A mm	Portata Flow l/min.	Pressione massima Max. pressure bar
12399100421	G 3/4	G 3/4	G 3/4	100	100	300
12399100430				80		



14/01/2016

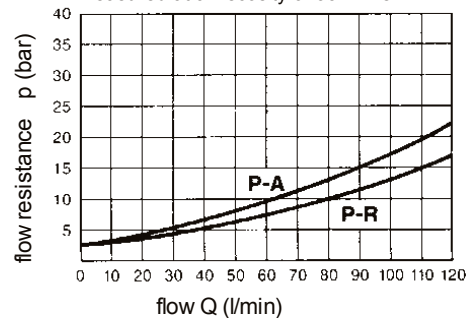
99712399140 Rev: //

Schema di funzionamento Functional diagram



p-Q characteristic lines

measured at a viscosity of $35 \text{ mm}^2/\text{s}$



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