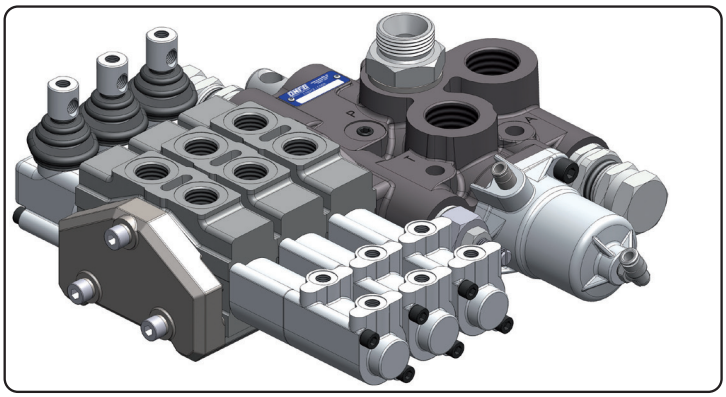
DEVIATORE OLEODINAMICO MULTIFUNZIONE
MULTIFUNCTIONAL HYDRAULIC CONTROL VALVE

CODICE FAMIGLIA *FAMILY CODE* **121016**

"MODUL-GATE"



Valvola ad azionamento pneumatico per portate di olio elevate, con schema idraulico a centro aperto in accordo alle direttive CE, particolarmente indicata su ribaltabili pesanti, cava-cantiere e semirimorchi. Utilizzabile con i deviatori pneumatici O.M.F.B. per ottenere una modulazione continua della velocità di discesa.
La valvola principale ha il corpo in ghisa sferoidale zincato, il cursore nichelato ed é predisposta per il montaggio di distributori ausiliari a pacchetto.
Gli elementi ausiliari sono a comando pneumatico con emergenza manuale e possono essere a semplice o a doppio effetto, sono combinabili tra di loro fino ad un massimo di 3 sezioni.
L'elemento principale è dotato di valvola di massima pressione di tipo diretto/cartridge/pilot sul ramo ribaltabile nonchè di una valvola di massima pressione e di un regolatore di portata sul ramo dei distributori ausiliari.

Pneumatic control valve for high flows, open centered to meet the CE requirements, it is especially designed for heavy duty tippers, off-road tippers and semi-trailers. We recommend to use OMFB air controls to enhance the proportional lowering speed. The main valve is made of galvanized nodular cast iron body, nickel spool and it is ready to accept one or more auxiliary valves. These auxiliary valves are pneumatically controlled and complete with manual override system and can be either single or double acting. They can be fitted together up to 3 sections. The main valve is complete with direct/cartridge/pilot relief valve on the cylinder port as well as a relief valve and flow regulator on the auxiliary valve port.

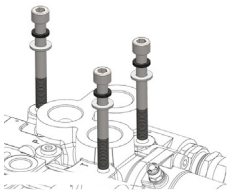
99740012120

CARATTERISTICHE TECNICHE DEVIATORE PRINCIPALE
TECHNICAL FEATURES OF MAIN VALVE

Portata nominale/*Flow rate*	250 *l/min.*
Pressione max. all'utilizzo/*Max. working pressure*	320 *bar*
Temperatura di esercizio/*Working temperature*	-15+110°C
Viscosità olio/*Oil viscosity*	12 - 100 cSt
Filtrazione olio/*Oil filtering*	< 25 µm
Pressione taratura standard/*Standard pressure setting*	Vedere grafico/*See chart*
Pressione taratura max./*Max. pressure setting*	Vedere grafico/*See chart*
Pressione pneumatica max./*Max. pneumatic pressure*	12 *bar*

CARATTERISTICHE TECNICHE DISTRIBUTORI AUSILIARI
TECHNICAL FEATURES OF AUXILIARY VALVES

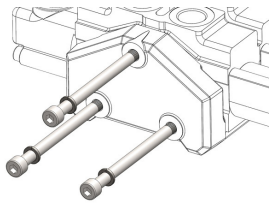
Porata minima di funzionamento Minimum operating flow rate	20 *l/min.*
Portata nominale / *Flow rate*	60 *l/min.*
Pressione max. all'utilizzo / *Max. working pressure*	320 *bar*
Temperatura di esercizio / *Working temperature*	-15+110°C
Viscosità olio/*Oil viscosity*	12 - 100 cSt
Filtrazione olio/*Oil filtering*	< 25 µm
Pressione pneumatica max. *Max. pneumatic pressure*	12 *bar*



Kit fissaggio deviatore / *Main valve mounting kit*

Codice / *Code* **12199400520**

Q.	Descrizione	*Description*
3	Vite TCE M10 L=90mm	*Screw M10 TCE L=90mm*
3	Rondelle piane per M10	*Washer M10*
3	Rondelle elastiche per M10S	*pring washer M10*

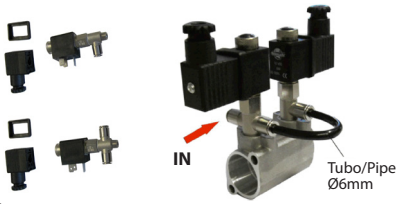


Kit tiranti distributori ausiliari / *Auxiliary valves fixation kit*

Codice / *Code*	**Descrizione** / *Description*	
13499250016	**Kit tiranti x 1 distributore ausiliario**	*1 Auxiliary valve fixation kit*
13499250025	**Kit tiranti x 2 distributori ausiliari**	*2 Auxiliary valves fixation kit*
13499250034	**Kit tiranti x 3 distributori ausiliari**	*3 Auxiliary valves fixation kit*
13499250043	**Kit tiranti x 4 distributori ausiliari**	*4 Auxiliary valves fixation kit*

15/07/2026

OPTIONAL

Immagine / *Image*	**Codice** / *Code*	**Descrizione** / *Description*
	**13401600446**	Leva e pomello / *Lever and knob*
	**13401600491 (12V)** **13401600508 (24V)**	Kit elettrovalvole e raccordi per servocomando elettropneumatico 12V e 24V, per rendere possibile l'azionamento pneumatico mediante comando elettrico. 12V *and* 24V *electropneumatic servo control kits for activating the pneumatic operation by means of an electric signal.*

99712101601 Rev: BD

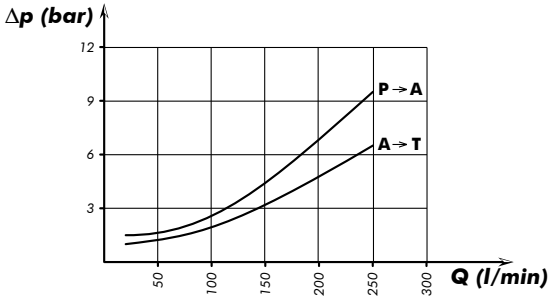
OMFB HYDRAULIC COMPONENTS

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

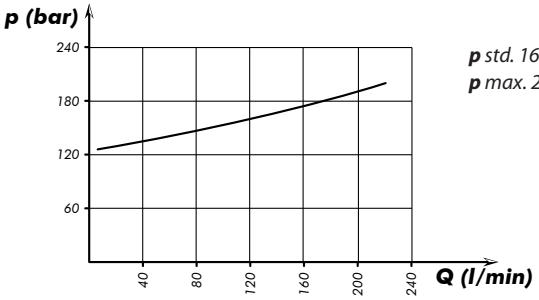
COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

DEVIATORE PRINCIPALE / *MAIN VALVE*

Perdite di carico deviatore
Tipping valve pressure drops

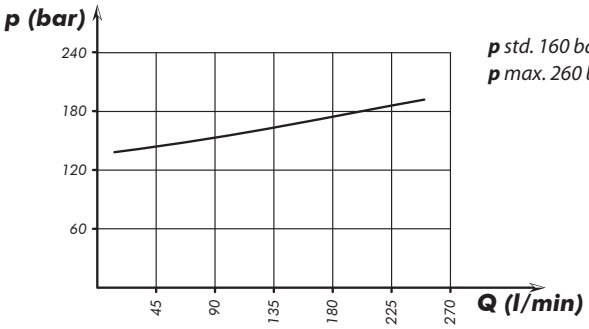


Curva caratteristica p-Q Valvola di max. Diretta
p-Q operating curve for Direct pressure relief valves



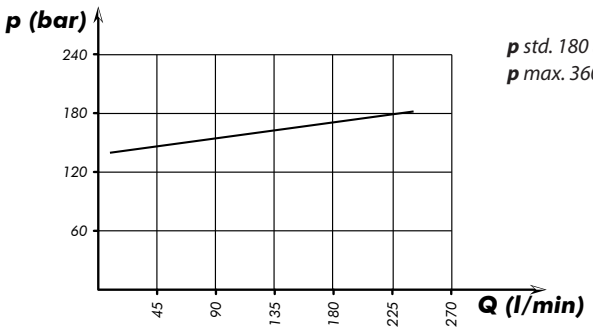
p *std. 160 bar*
p *max. 280 bar*

Curva caratteristica p-Q Valvola di max. Cartridge
p-Q operating curve for Cartridge pressure relief valves



p *std. 160 bar*
p *max. 260 bar*

Curva caratteristica p-Q Valvola di max. Pilot
p-Q operating curve for Pilot pressure relief valves

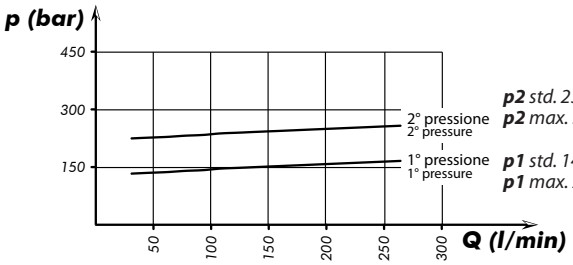


p *std. 180 bar*
p *max. 360 bar*

Curva caratteristica p-Q Valvola di max. Pilot 2PP
p-Q operating curve for Pilot 2PP pressure relief valves

Range di taratura approssimativa:
- 1^ pressione: 0 / 200 bar
- 2^ pressione: prima pressione + 0 /200 bar

Pressure Setting Range approx.:
- Low pressure: 0 / 200 bar
- High pressure: low pressure value + 0 /200 bar

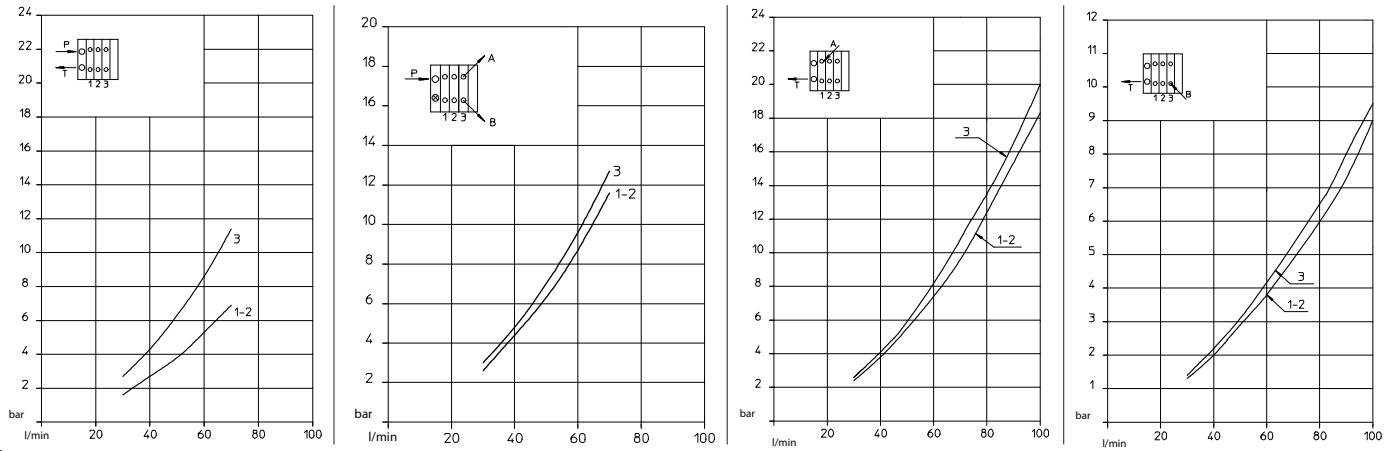


p2 *std. 230 bar*
p2 *max. 360 bar*

p1 *std. 140 bar*
p1 *max. 200 bar*

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

PERDITA DI CARICO DISTRIBUTORI AUSILIARI
PRESSURE DROP AUXILIARY VALVE



99740012120

15/07/2026

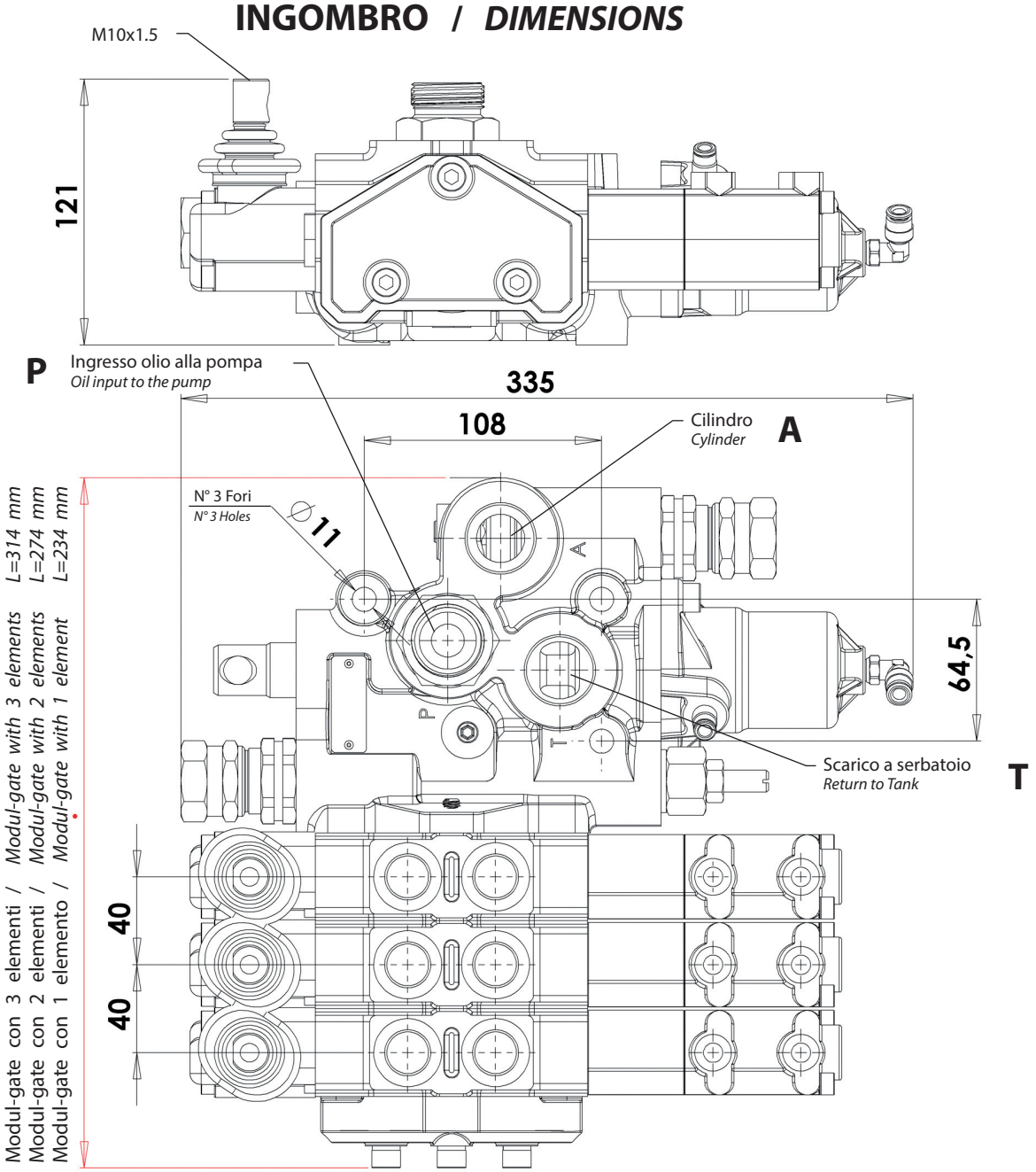
99712101601 Rev: BD

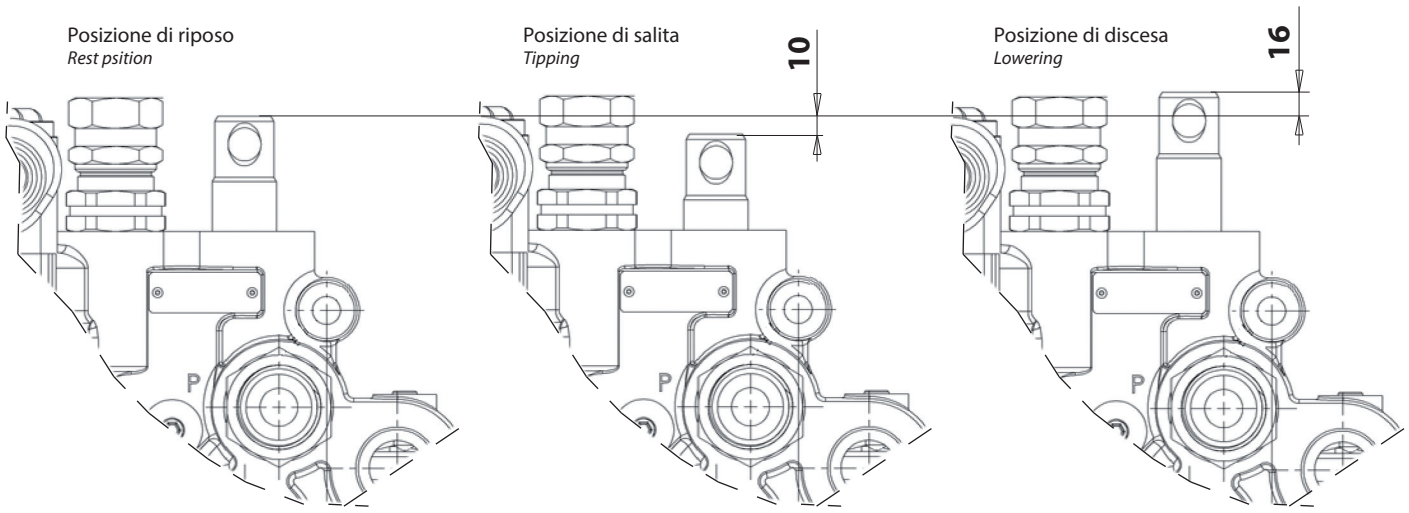
COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

OMFB HYDRAULIC COMPONENTS

INGOMBRO / *DIMENSIONS*





99740012120

15/07/2026

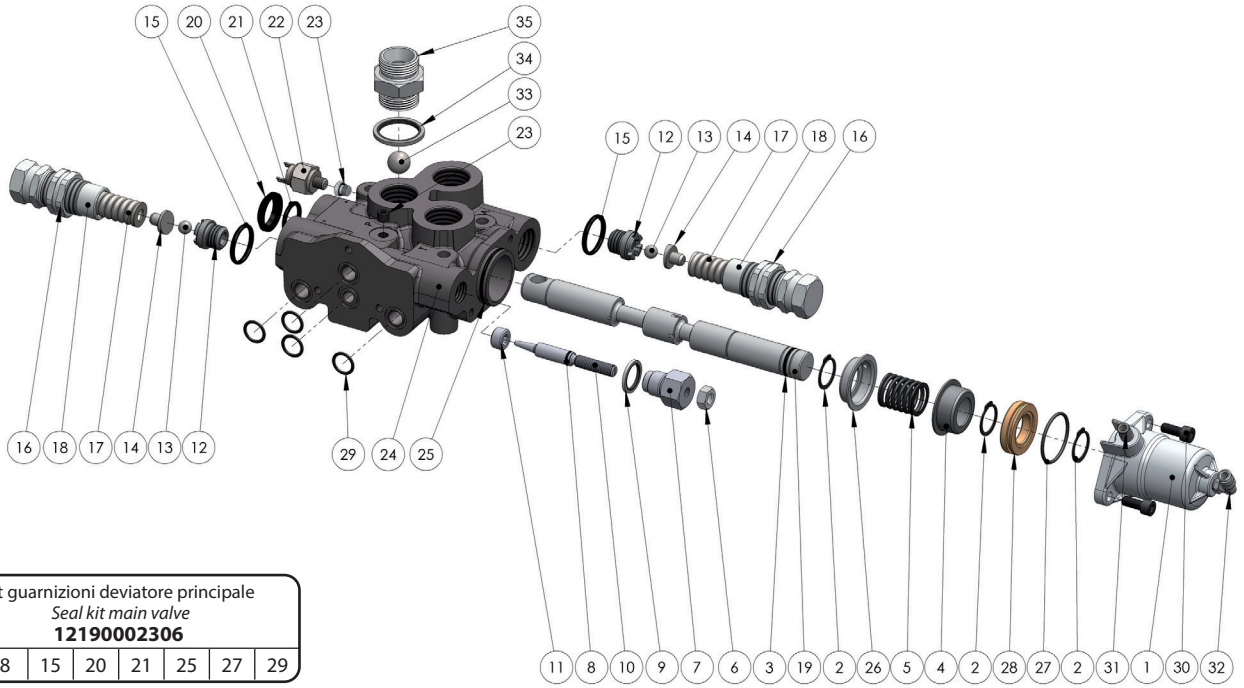
99712101601 Rev: BD

OMFB HYDRAULIC COMPONENTS

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

RICAMBI VALVOLA DIRETTA / DIRECT VALVE *SPARE PARTS*

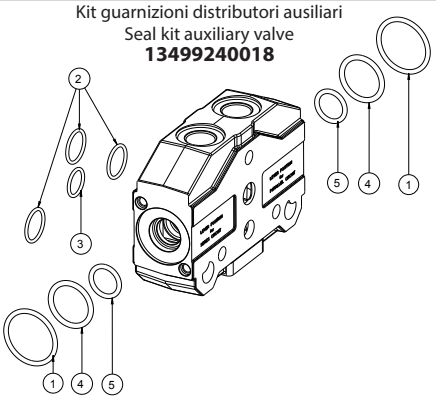


Kit guarnizioni deviatore principale
Seal kit main valve
12190002306

3	8	15	20	21	25	27	29

N°	Codice *Code*	Descrizione *Description*		Q.
1	*53700400259*	Cilindro	*Cylinder*	1
2	*50100200229*	Anello seeger 24 E	*Circlip*	3
3	*50600200158*	Guarnizione OR 3081	*O-Ring 3081*	1
4	*53400100203*	Anello guidamolla	*Spring guide ring*	1
5	*51200600302*	Molla ritorno cursore	*Rod spring return*	1
6	*50500400023*	Dado M10 H8 UNI 5588	*Nut M10*	1
7	*54000300468*	Tappo corpo rubinetto	*Plug*	1
8	*50600100104*	Guarnizione OR 108	*O-Ring 108*	1
9	*11600910129*	Rondella acciaio-gomma	*Steel-rubber washer*	1
10	*50400000609*	Grano registro portata a scarico	*Return flow setting grub screw*	1
11	*50400000618*	Grano conico M18x1.5 forato DIN 906	*Grub hole screw*	1
12	*54000000167*	Tappo guida sfera	*Ball bearing guide cap*	2
13	*51000900116*	Sfera GR. AAA (ISO 20) 7/16" (Ø11.11)	*Ball 7/16"*	2
14	*54200100091*	Pistoncino guida molla e sfera	*Piston*	2
15	*50600300086*	Guarnizione OR 4112	*O-Ring 4112*	2
16	*50500000581*	Dado registro valvola di max.	*Max. pressure setting nut*	2
17	*51200500849*	Molla valvola di massima	*Max. pressure spring*	2
18	*54000300413*	Tappo regolazione valv.max.press.	*Max. pressure setting plug*	2
19	*53600300752*	Stelo cursore	*Rod*	1
20	*50600001819*	Guarnizione raschiapolvere	*Scraper seal*	1
21	*50600300059*	Guarnizione OR 4100	*O-Ring 4100*	2
22	*12200900011*	Idrostop (OPTIONAL)	*Pressure switch (OPTIONAL)*	1
23	*11500900016*	Tappo acciaio G 1/8" DIN 906	*Steel plug G 1/8"*	2
24	*52000300540*	Corpo deviatore	*Deviator body*	1
25	*50600200336*	Guarnizione OR 3175	*O-Ring 3175*	1
26	*53400100141*	Anello guidamolla	*Spring guide ring*	1
27	*50600200309*	Guarnizione OR 3156	*O-Ring 3156*	1
28	*53200300143*	Pistone	*Piston*	1
29	*50600100168*	Guarnizione OR 2062	*O-Ring 2062*	4
30	*50200300548*	Vite TCE M8x20	*Screw TCE M8x20*	2
31	*10001700151M*	Raccordo diritto tubo 6	*Straight fitting pipe 6*	1
32	*10001600125*	Raccordo a 90° 1/8"	*Fitting 90° 1/8"*	1
33	*51000900214*	Sfera GR AAA 3/4" (Ø19.05)	*Ball 3/4"*	1
34	*11600911002*	Rondella acciaio-gomma G 1"	*Steel-rubber washer*	1
35	*54000700204*	Tappo corpo valvola di ritegno	*Check valve body cap*	1

Kit guarnizioni distributori ausiliari
Seal kit auxiliary valve
13499240018



N°	Descrizione Description	Q.
1	OR 3118 029.82 x 2.62 NBR 90	2
2	OR 2068 017.17 x 1.78 NBR 90	3
3	OR 2056 014.00 x 1.78 NBR 90	1
4	OR 3-912 023.47 x 2.95 NBR 70	2
5	OR 121 015.88 x 2.62 NBR 70	2

99740012120

15/07/2026

99712101601 Rev: BD

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

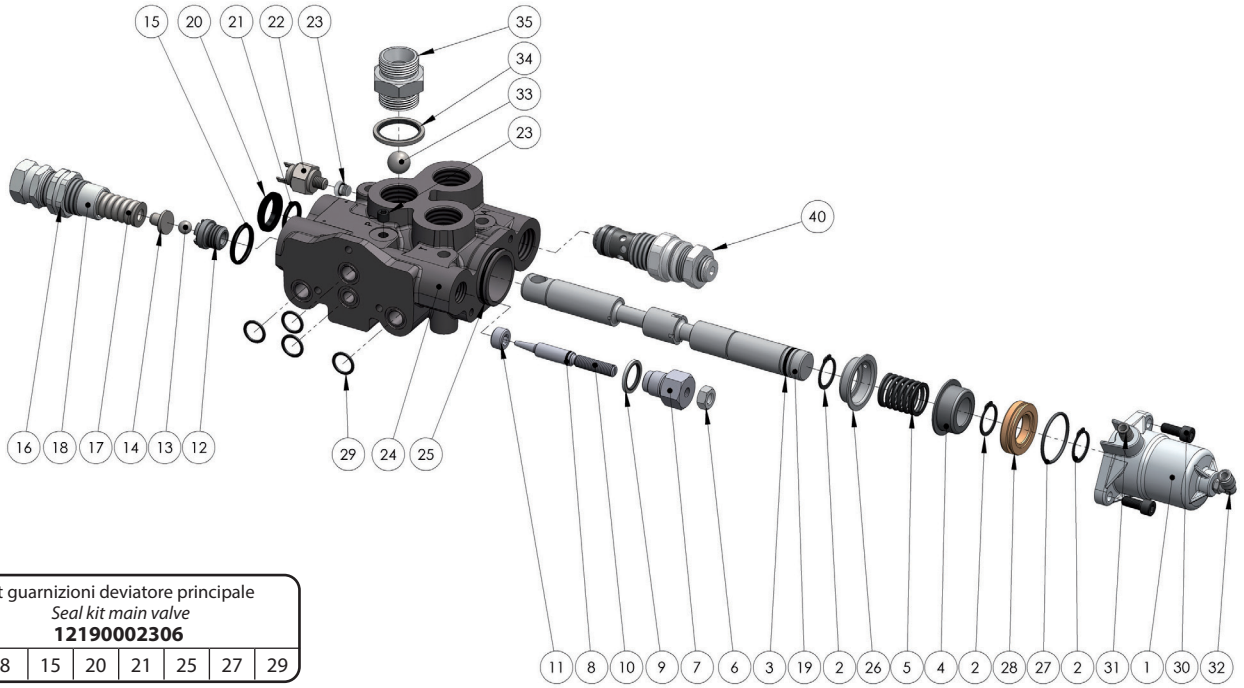
O.M.F.B. S.p.A. Hydraulic Components

We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.

Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

OMFB HYDRAULIC COMPONENTS

RICAMBI VALVOLA CARTRIDGE / CARTRIDGE VALVE *SPARE PARTS*

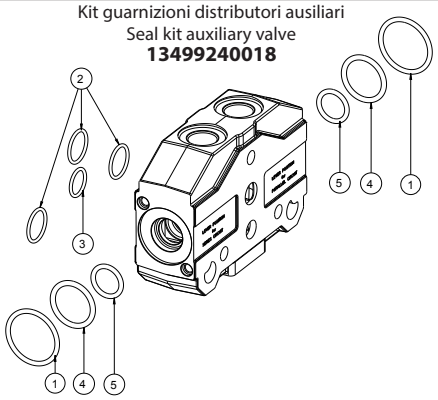


Kit guarnizioni deviatore principale
Seal kit main valve
12190002306

3	8	15	20	21	25	27	29

N°	Codice *Code*	Descrizione *Description*		Q.
1	*53700400259*	Cilindro	*Cylinder*	1
2	*50100200229*	Anello seeger 24 E	*Circlip*	3
3	*50600200158*	Guarnizione OR 3081	*O-Ring 3081*	1
4	*53400100203*	Anello guidamolla	*Spring guide ring*	1
5	*51200600302*	Molla ritorno cursore	*Rod spring return*	1
6	*50500400023*	Dado M10 H8 UNI 5588	*Nut M10*	1
7	*54000300468*	Tappo corpo rubinetto	*Plug*	1
8	*50600100104*	Guarnizione OR 108	*O-Ring 108*	1
9	*11600910129*	Rondella acciaio-gomma	*Steel-rubber washer*	1
10	*50400000609*	Grano registro portata a scarico	*Return flow setting grub screw*	1
11	*50400000618*	Grano conico M18x1.5 forato DIN 906	*Grub hole screw*	1
12	*54000000167*	Tappo guida sfera	*Ball bearing guide cap*	2
13	*51000900116*	Sfera GR. AAA (ISO 20) 7/16" (Ø11.11)	*Ball 7/16"*	2
14	*54200100091*	Pistoncino guida molla e sfera	*Piston*	2
15	*50600300086*	Guarnizione OR 4112	*O-Ring 4112*	2
16	*50500000581*	Dado registro valvola di max.	*Max. pressure setting nut*	2
17	*51200500849*	Molla valvola di massima	*Max. pressure spring*	2
18	*54000300413*	Tappo regolazione valv.max.press.	*Max. pressure setting plug*	2
19	*53600300752*	Stelo cursore	*Rod*	1
20	*50600001819*	Guarnizione raschiapolvere	*Scraper seal*	1
21	*50600300059*	Guarnizione OR 4100	*O-Ring 4100*	2
22	*12200900011*	Idrostop (OPTIONAL)	*Pressure switch (OPTIONAL)*	1
23	*11500900016*	Tappo acciaio G 1/8" DIN 906	*Steel plug G 1/8"*	2
24	*52000300540*	Corpo deviatore	*Deviator body*	1
25	*50600200336*	Guarnizione OR 3175	*O-Ring 3175*	1
26	*53400100141*	Anello guidamolla	*Spring guide ring*	1
27	*50600200309*	Guarnizione OR 3156	*O-Ring 3156*	1
28	*53200300143*	Pistone	*Piston*	1
29	*50600100168*	Guarnizione OR 2062	*O-Ring 2062*	4
30	*50200300548*	Vite TCE M8x20	*Screw TCE M8x20*	2
31	*10001700151M*	Raccordo diritto tubo 6	*Straight fitting pipe 6*	1
32	*10001600125*	Raccordo a 90° 1/8"	*Fitting 90° 1/8"*	1
33	*51000900214*	Sfera GR AAA 3/4" (Ø19.05)	*Ball 3/4"*	1
34	*11600911002*	Rondella acciaio-gomma G 1"	*Steel-rubber washer*	1
35	*54000700204*	Tappo corpo valvola di ritegno	*Check valve body cap*	1
40	*12109020261*	Valvola di massima CARTRIDGE	*CARTRIDGE relief valve*	1

Kit guarnizioni distributori ausiliari
Seal kit auxiliary valve
13499240018



N°	Descrizione Description	Q.
1	OR 3118 029.82 x 2.62 NBR 90	2
2	OR 2068 017.17 x 1.78 NBR 90	3
3	OR 2056 014.00 x 1.78 NBR 90	1
4	OR 3-912 023.47 x 2.95 NBR 70	2
5	OR 121 015.88 x 2.62 NBR 70	2

99740012120

15/07/2026

99712101601 Rev: BD

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

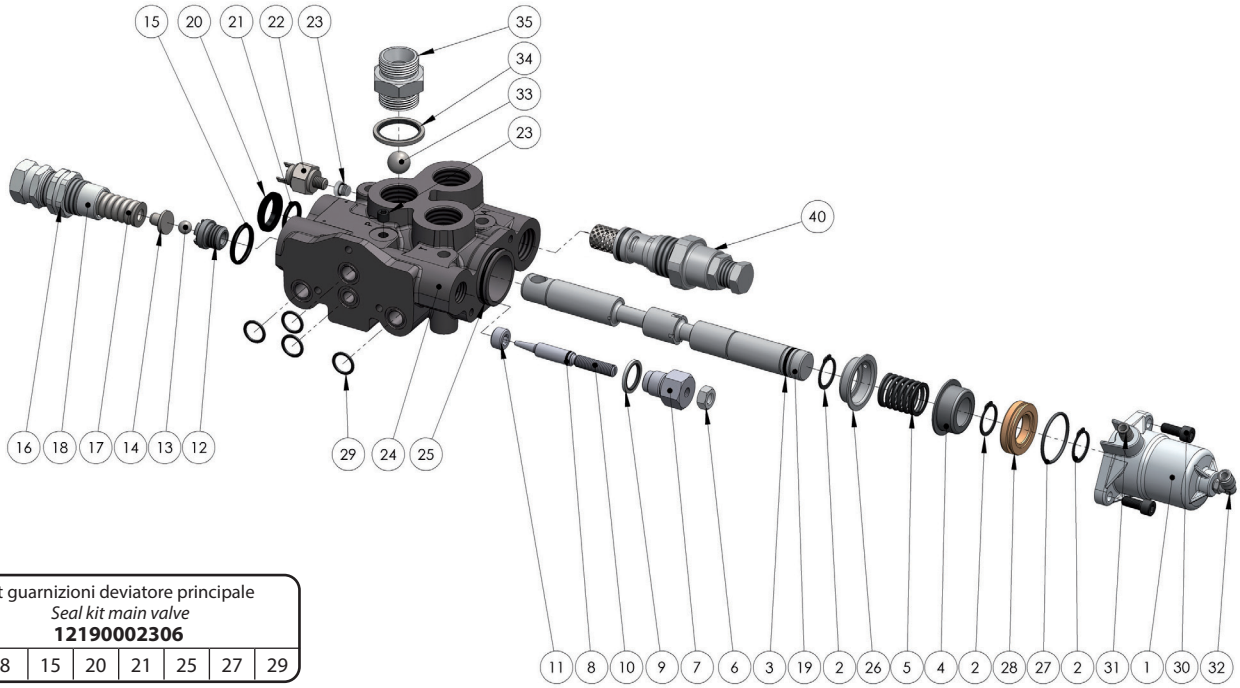
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.

Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

OMFB HYDRAULIC COMPONENTS

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

RICAMBI VALVOLA PILOT / PILOT VALVE *SPARE PARTS*

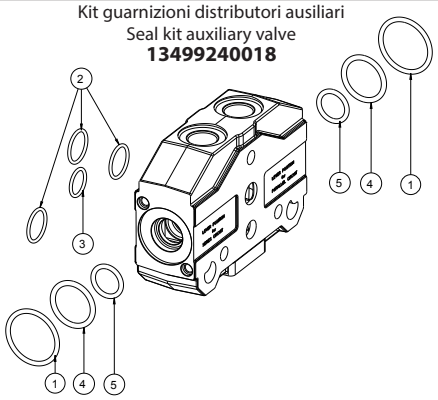


Kit guarnizioni deviatore principale
Seal kit main valve
12190002306

3	8	15	20	21	25	27	29

N°	Codice *Code*	Descrizione *Description*		Q.
1	*53700400259*	Cilindro	*Cylinder*	1
2	*50100200229*	Anello seeger 24 E	*Circlip*	3
3	*50600200158*	Guarnizione OR 3081	*O-Ring 3081*	1
4	*53400100203*	Anello guidamolla	*Spring guide ring*	1
5	*51200600302*	Molla ritorno cursore	*Rod spring return*	1
6	*50500400023*	Dado M10 H8 UNI 5588	*Nut M10*	1
7	*54000300468*	Tappo corpo rubinetto	*Plug*	1
8	*50600100104*	Guarnizione OR 108	*O-Ring 108*	1
9	*11600910129*	Rondella acciaio-gomma	*Steel-rubber washer*	1
10	*50400000609*	Grano registro portata a scarico	*Return flow setting grub screw*	1
11	*50400000618*	Grano conico M18x1.5 forato DIN 906	*Grub hole screw*	1
12	*54000000167*	Tappo guida sfera	*Ball bearing guide cap*	2
13	*51000900116*	Sfera GR. AAA (ISO 20) 7/16" (Ø11.11)	*Ball 7/16"*	2
14	*54200100091*	Pistoncino guida molla e sfera	*Piston*	2
15	*50600300086*	Guarnizione OR 4112	*O-Ring 4112*	2
16	*50500000581*	Dado registro valvola di max.	*Max. pressure setting nut*	2
17	*51200500849*	Molla valvola di massima	*Max. pressure spring*	2
18	*54000300413*	Tappo regolazione valv.max.press.	*Max. pressure setting plug*	2
19	*53600300752*	Stelo cursore	*Rod*	1
20	*50600001819*	Guarnizione raschiapolvere	*Scraper seal*	1
21	*50600300059*	Guarnizione OR 4100	*O-Ring 4100*	2
22	*12200900011*	Idrostop (OPTIONAL)	*Pressure switch (OPTIONAL)*	1
23	*11500900016*	Tappo acciaio G 1/8" DIN 906	*Steel plug G 1/8"*	2
24	*52000300540*	Corpo deviatore	*Deviator body*	1
25	*50600200336*	Guarnizione OR 3175	*O-Ring 3175*	1
26	*53400100141*	Anello guidamolla	*Spring guide ring*	1
27	*50600200309*	Guarnizione OR 3156	*O-Ring 3156*	1
28	*53200300143*	Pistone	*Piston*	1
29	*50600100168*	Guarnizione OR 2062	*O-Ring 2062*	4
30	*50200300548*	Vite TCE M8x20	*Screw TCE M8x20*	2
31	*10001700151M*	Raccordo diritto tubo 6	*Straight fitting pipe 6*	1
32	*10001600125*	Raccordo a 90° 1/8"	*Fitting 90° 1/8"*	1
33	*51000900214*	Sfera GR AAA 3/4" (Ø19.05)	*Ball 3/4"*	1
34	*11600911002*	Rondella acciaio-gomma G 1"	*Steel-rubber washer*	1
35	*54000700204*	Tappo corpo valvola di ritegno	*Check valve body cap*	1
40	*12109020323*	Valvola di massima PILOT	*PILOT relief valve*	1

Kit guarnizioni distributori ausiliari
Seal kit auxiliary valve
13499240018



N°	Descrizione Description	Q.
1	OR 3118 029.82 x 2.62 NBR 90	2
2	OR 2068 017.17 x 1.78 NBR 90	3
3	OR 2056 014.00 x 1.78 NBR 90	1
4	OR 3-912 023.47 x 2.95 NBR 70	2
5	OR 121 015.88 x 2.62 NBR 70	2

99740012120

15/07/2026

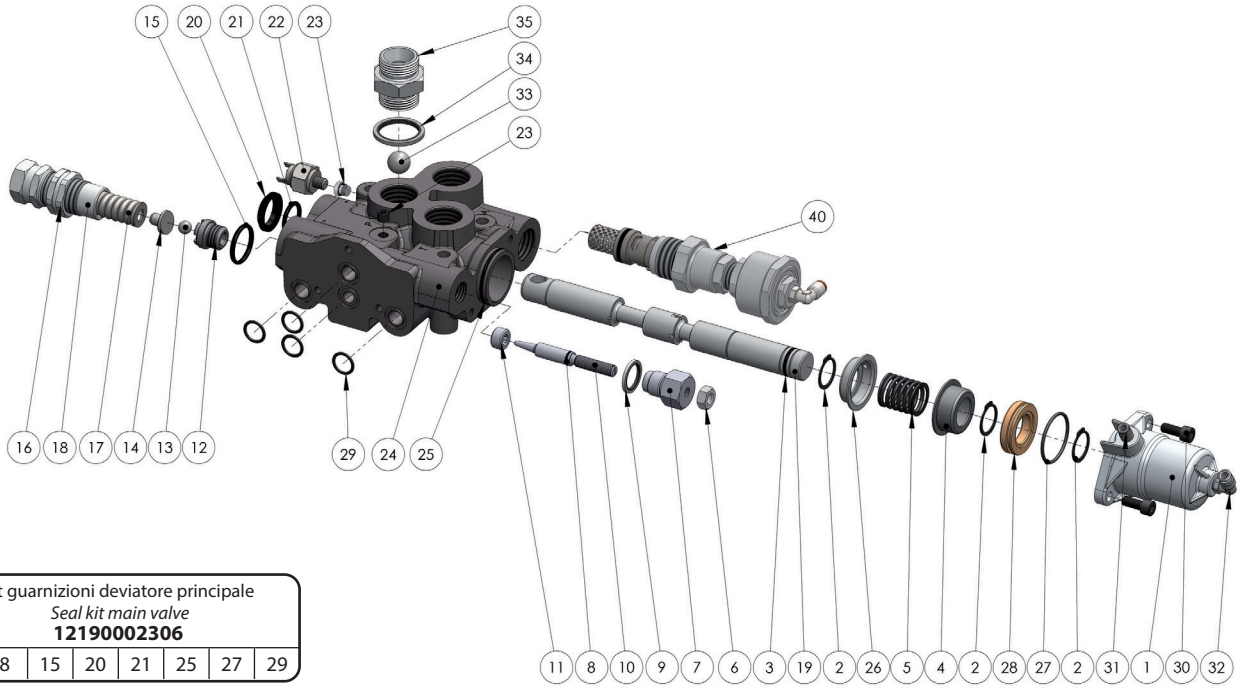
99712101601 Rev: BD

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

OMFB HYDRAULIC COMPONENTS

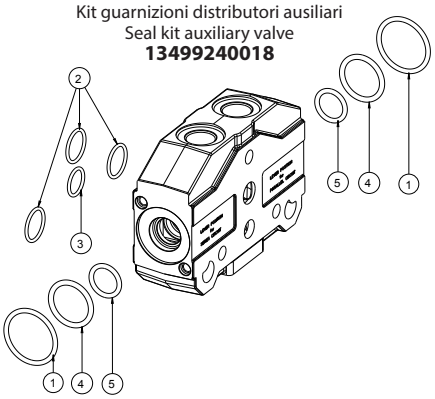
RICAMBI VALVOLA PILOT 2PP / PILOT 2PP VALVE *SPARE PARTS*



Kit guarnizioni deviatore principale *Seal kit main valve* **12190002306**							
3	8	15	20	21	25	27	29

N°	Codice *Code*	Descrizione *Description*		Q.
1	*53700400259*	Cilindro	*Cylinder*	1
2	*50100200229*	Anello seeger 24 E	*Circlip*	3
3	*50600200158*	Guarnizione OR 3081	*O-Ring 3081*	1
4	*53400100203*	Anello guidamolla	*Spring guide ring*	1
5	*51200600302*	Molla ritorno cursore	*Rod spring return*	1
6	*50500400023*	Dado M10 H8 UNI 5588	*Nut M10*	1
7	*54000300468*	Tappo corpo rubinetto	*Plug*	1
8	*50600100104*	Guarnizione OR 108	*O-Ring 108*	1
9	*11600910129*	Rondella acciaio-gomma	*Steel-rubber washer*	1
10	*50400000609*	Grano registro portata a scarico	*Return flow setting grub screw*	1
11	*50400000618*	Grano conico M18x1.5 forato DIN 906	*Grub hole screw*	1
12	*54000000167*	Tappo guida sfera	*Ball bearing guide cap*	2
13	*51000900116*	Sfera GR. AAA (ISO 20) 7/16" (Ø11.11)	*Ball 7/16"*	2
14	*54200100091*	Pistoncino guida molla e sfera	*Piston*	2
15	*50600300086*	Guarnizione OR 4112	*O-Ring 4112*	2
16	*50500000581*	Dado registro valvola di max.	*Max. pressure setting nut*	2
17	*51200500849*	Molla valvola di massima	*Max. pressure spring*	2
18	*54000300413*	Tappo regolazione valv.max.press.	*Max. pressure setting plug*	2
19	*53600300752*	Stelo cursore	*Rod*	1
20	*50600001819*	Guarnizione raschiapolvere	*Scraper seal*	1
21	*50600300059*	Guarnizione OR 4100	*O-Ring 4100*	2
22	*12200900011*	Idrostop (OPTIONAL)	*Pressure switch (OPTIONAL)*	1
23	*11500900016*	Tappo acciaio G 1/8" DIN 906	*Steel plug G 1/8"*	2
24	*52000300540*	Corpo deviatore	*Deviator body*	1
25	*50600200336*	Guarnizione OR 3175	*O-Ring 3175*	1
26	*53400100141*	Anello guidamolla	*Spring guide ring*	1
27	*50600200309*	Guarnizione OR 3156	*O-Ring 3156*	1
28	*53200300143*	Pistone	*Piston*	1
29	*50600100168*	Guarnizione OR 2062	*O-Ring 2062*	4
30	*50200300548*	Vite TCE M8x20	*Screw TCE M8x20*	2
31	*10001700151M*	Raccordo diritto tubo 6	*Straight fitting pipe 6*	1
32	*10001600125*	Raccordo a 90° 1/8"	*Fitting 90° 1/8"*	1
33	*51000900214*	Sfera GR AAA 3/4" (Ø19.05)	*Ball 3/4"*	1
34	*11600911002*	Rondella acciaio-gomma G 1"	*Steel-rubber washer*	1
35	*54000700204*	Tappo corpo valvola di ritegno	*Check valve body cap*	1
40	*12109020396*	Valvola di massima PILOT 2 pressioni indipendenti	*2 indipendent pressure set PILOT relief valve*	1

Kit guarnizioni distributori ausiliari
Seal kit auxiliary valve
13499240018



N°	Descrizione Description	Q.
1	OR 3118 029.82 x 2.62 NBR 90	2
2	OR 2068 017.17 x 1.78 NBR 90	3
3	OR 2056 014.00 x 1.78 NBR 90	1
4	OR 3-912 023.47 x 2.95 NBR 70	2
5	OR 121 015.88 x 2.62 NBR 70	2

99740012120

15/07/2026

99712101601 Rev: BD

O.M.F.B. S.p.A. Hydraulic Components
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.

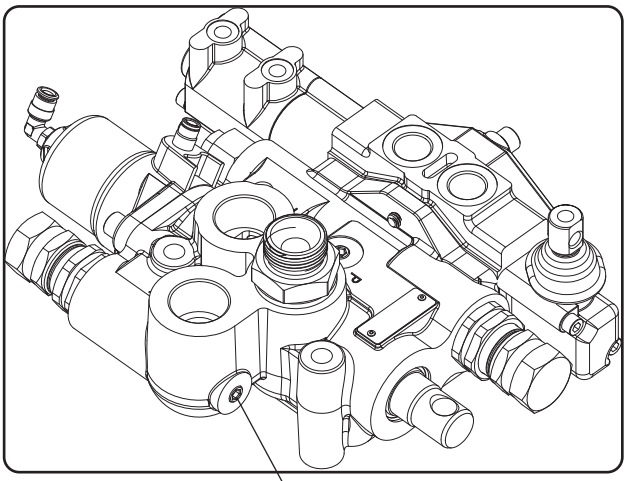
OMFB HYDRAULIC COMPONENTS

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

DEVIATORE MODUL-GATE: RIBALTABILE + 1 SEZIONE DOPPIO EFFETTO

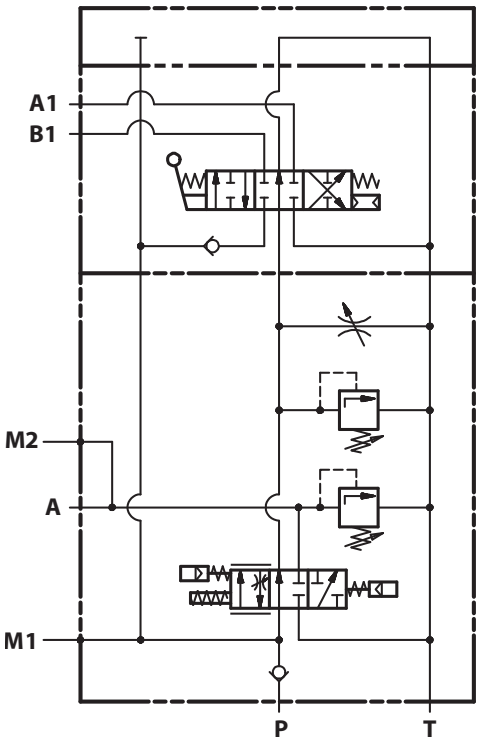
MODUL-GATE CONTROL VALVE: MAIN VALVE + 1 DOUBLE ACTING SECTION

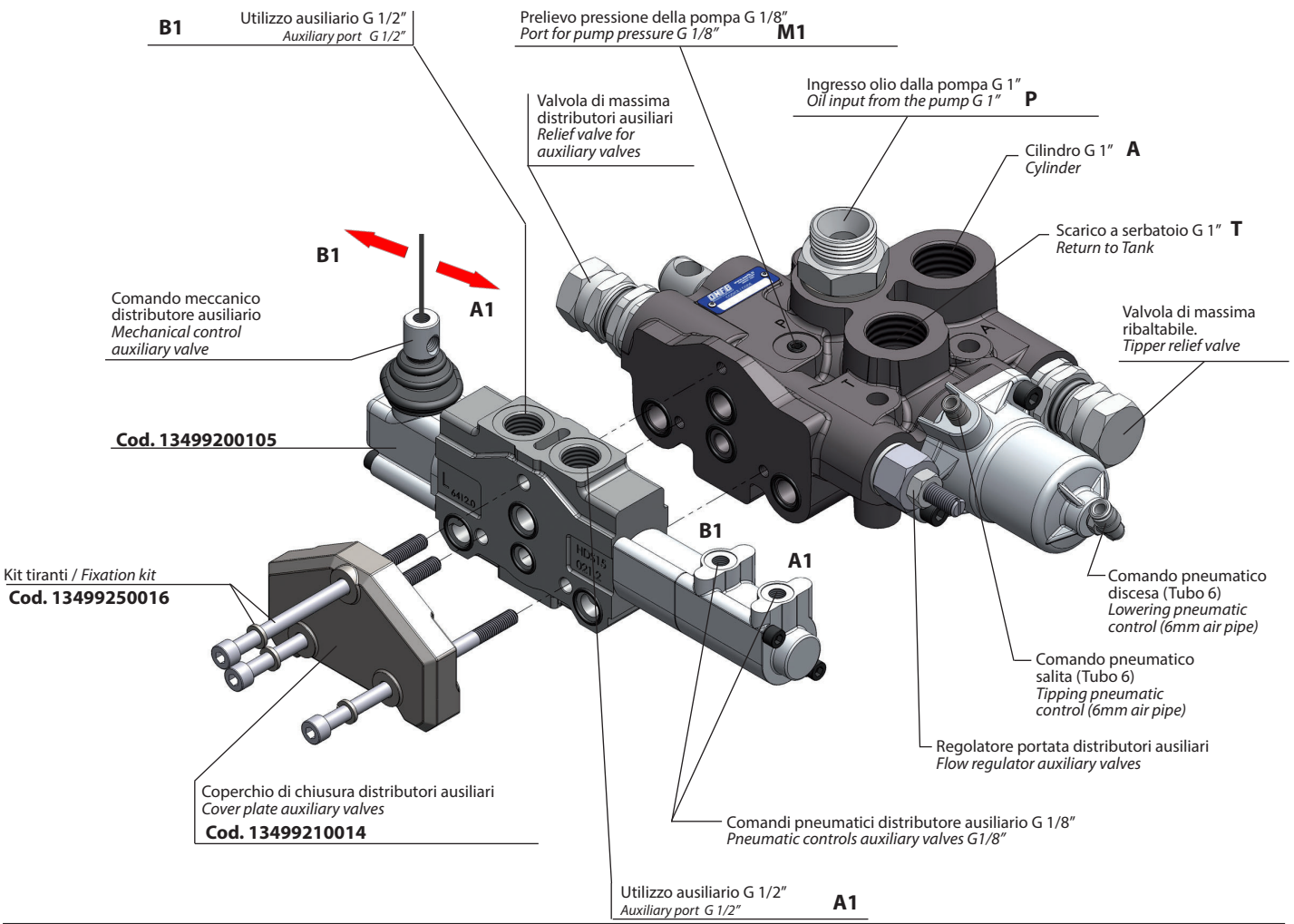
Codice / Code	Tipo valvola di massima Relief valve type
12101600103	Diretta / Direct
12101601102	Cartridge
12101602101	Pilot
12101603100	2P Pilot



Prelievo pressione del cilindro G 1/8"
Port for cylinder pressure G 1/8" **M2**

Schema idraulico / *Hydraulic scheme*





99740012120

15/07/2026

99712101601 Rev: BD

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

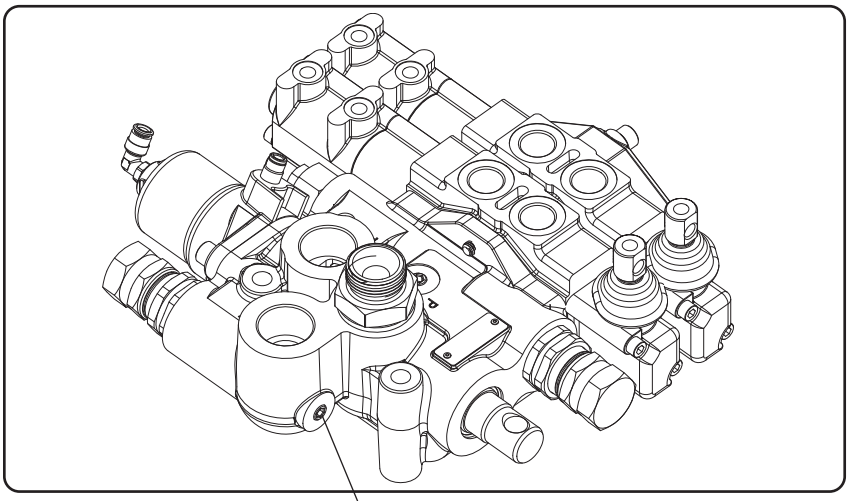
O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

OMFB HYDRAULIC COMPONENTS

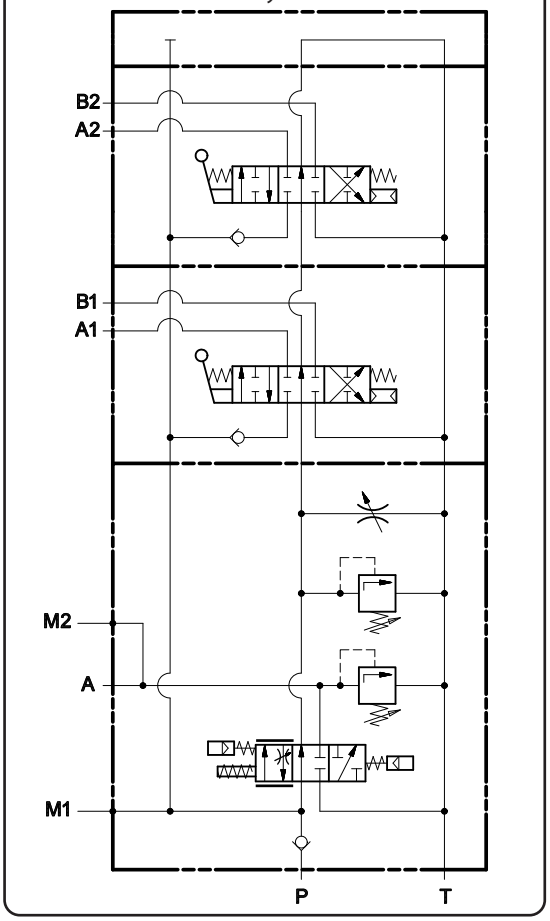
DEVIATORE MODUL-GATE: RIBALTABILE + 2 SEZIONI DOPPIO EFFETTO

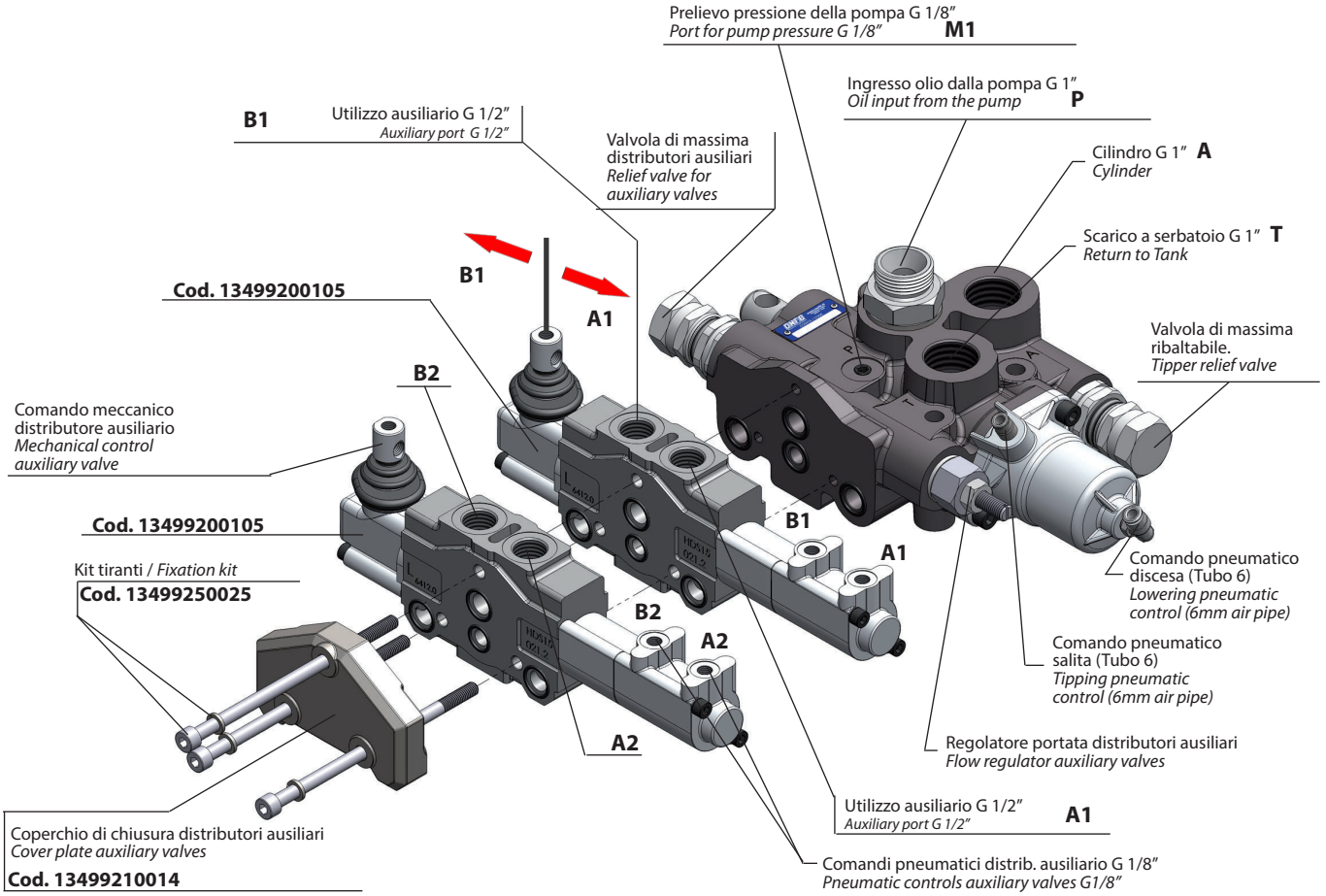
MODUL-GATE CONTROL VALVE: MAIN VALVE + 2 DOUBLE ACTING SECTIONS

Codice / Code	Tipo valvola di massima Relief valve type
12101600201	Diretta / Direct
12101601200	Cartridge
12101602209	Pilot



Schema idraulico / *Hydraulic scheme*





99740012120

15/07/2026

99712101601 Rev: BD

OMFB HYDRAULIC COMPONENTS

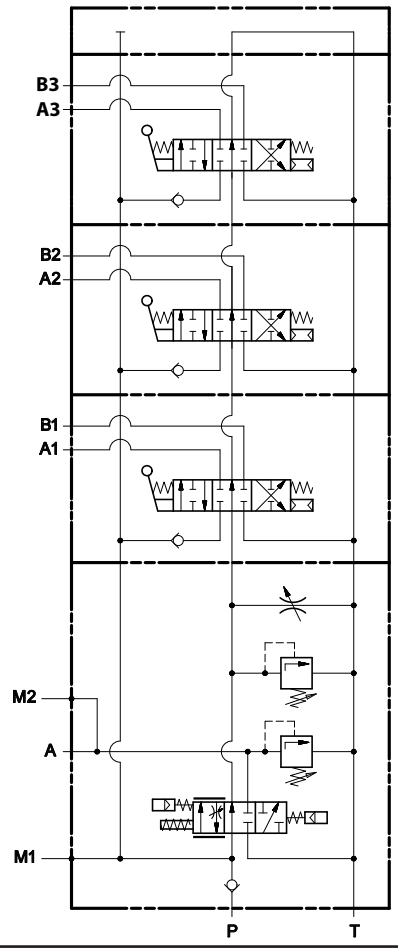
O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

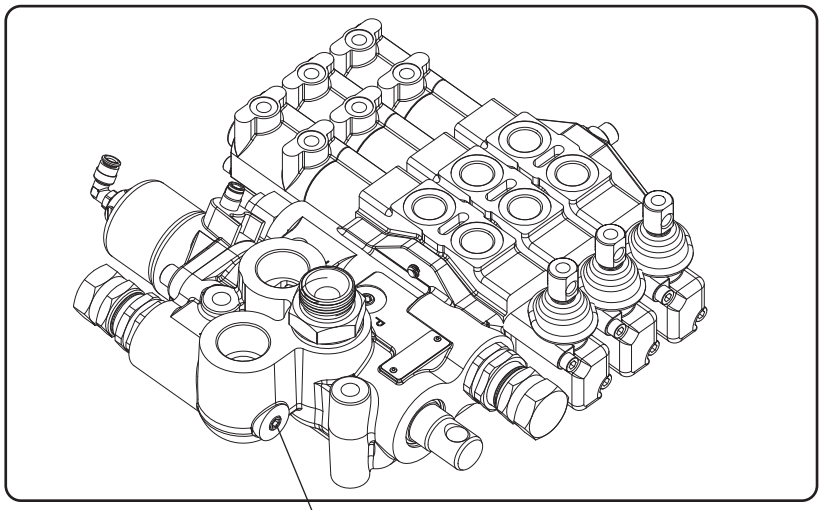
COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

DEVIATORE MODUL-GATE: RIBALTABILE + 3 SEZIONI DOPPIO EFFETTO COD. 12101600309

MODUL-GATE CONTROL VALVE: MAIN VALVE + 3 DOUBLE ACTING SECTIONS 12101600309

Schema idraulico / *Hydraulic scheme*





Prelievo pressione del cilindro G 1/8"
Port for cylinder pressure G 1/8" **M2**

M1 Prelievo pressione della pompa G 1/8"
Port for pump pressure G 1/8"

Valvola di massima distributori ausiliari
Relief valve for auxiliary valves

A1 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"

B1 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"

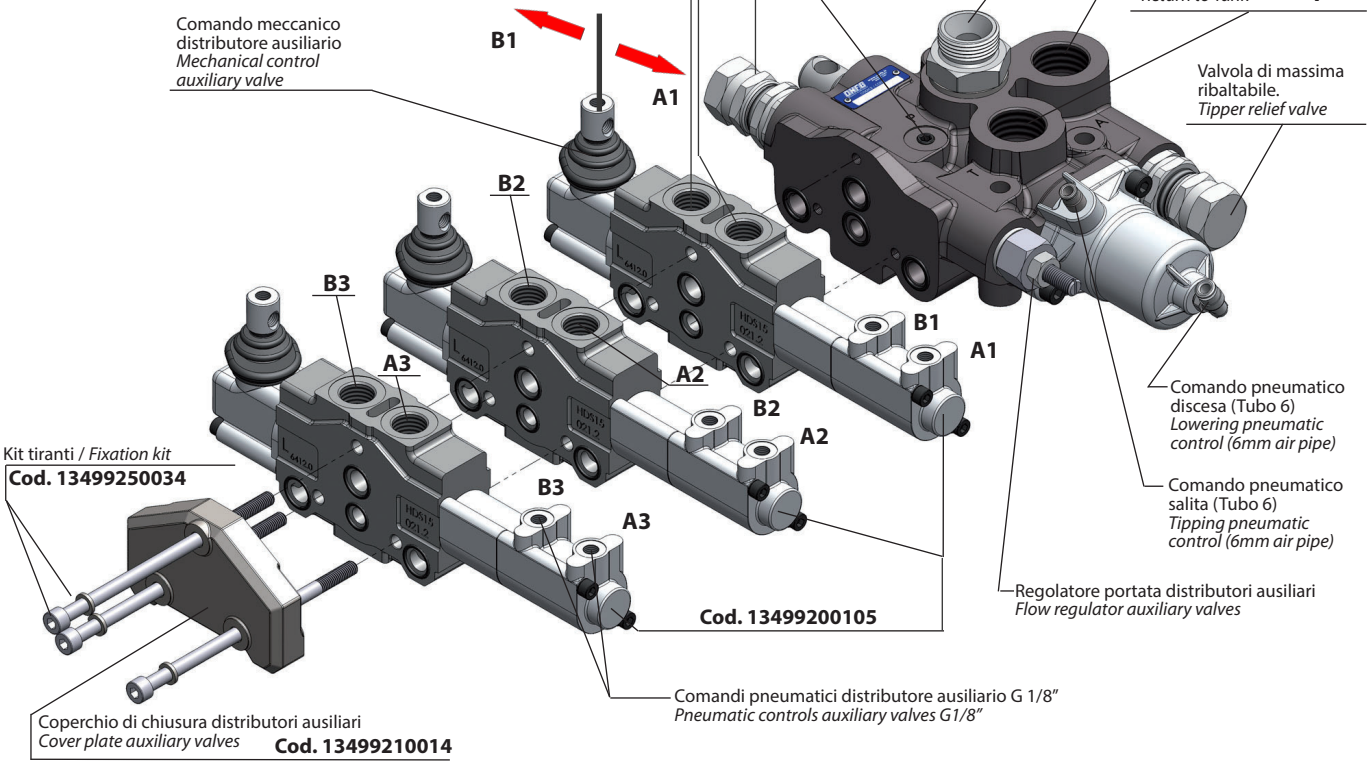
Comando meccanico distributore ausiliario
Mechanical control auxiliary valve

Ingresso olio dalla pompa G 1" **P**
Oil input from the pump

Cilindro G 1" **A**
Cylinder

Scarico a serbatoio G 1" **T**
Return to Tank

Valvola di massima ribaltabile.
Tipper relief valve



Kit tiranti / *Fixation kit*
Cod. 13499250034

Comando pneumatico discesa (Tubo 6)
Lowering pneumatic control (6mm air pipe)

Comando pneumatico salita (Tubo 6)
Tipping pneumatic control (6mm air pipe)

Regolatore portata distributori ausiliari
Flow regulator auxiliary valves

Cod. 13499200105

Comandi pneumatici distributore ausiliario G 1/8"
Pneumatic controls auxiliary valves G1/8"

Coperchio di chiusura distributori ausiliari
Cover plate auxiliary valves **Cod. 13499210014**

99740012120

15/07/2026

99712101601 Rev: BD

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

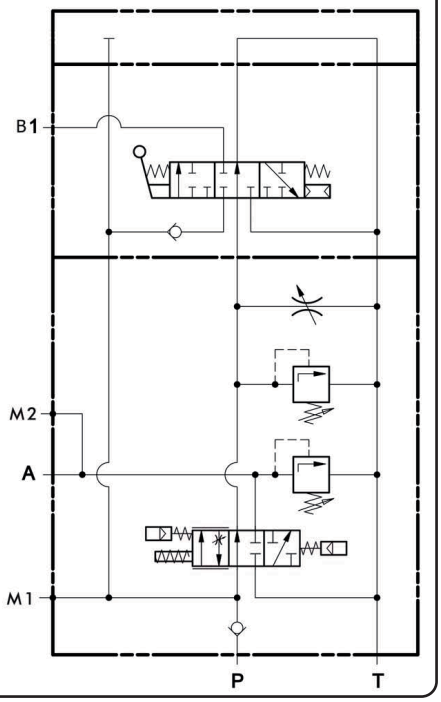
OMFB HYDRAULIC COMPONENTS

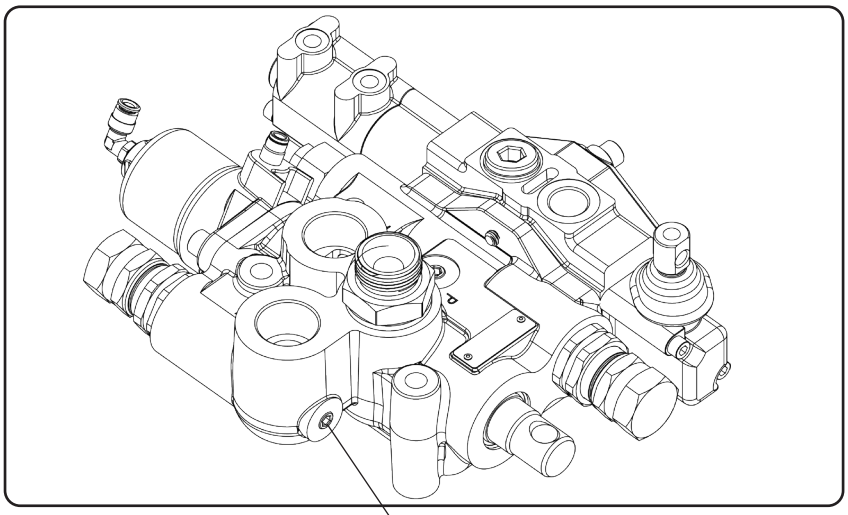
DEVIATORE MODUL-GATE: RIBALTABILE + 1 SEZIONE SEMPLICE EFFETTO

MODUL-GATE CONTROL VALVE: MAIN VALVE + 1 SINGLE ACTING SECTION

Codice / Code	Tipo valvola di massima Relief valve type
12101600112	Diretta / Direct
12101601111	Cartridge
12101602110	Pilot

Schema idraulico / *Hydraulic scheme*





Prelievo pressione del cilindro G 1/8"
Port for cylinder pressure G 1/8" **M2**

Prelievo pressione della pompa G 1/8"
Port for pump pressure G 1/8" **M1**

Ingresso olio dalla pompa G 1"
Oil input from the pump **P**

Cilindro G 1" **A**
Cylinder

Scarico a serbatoio G 1" **T**
Return to Tank

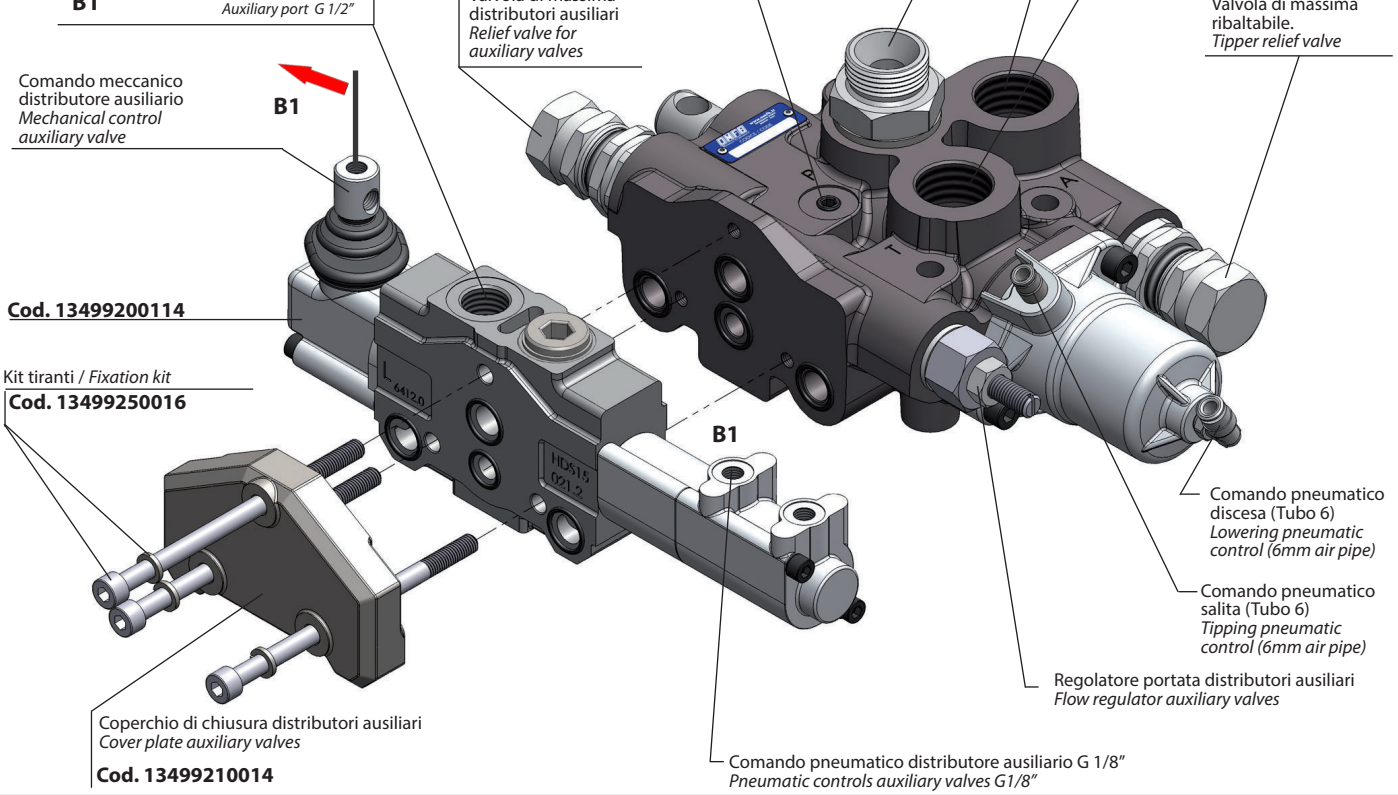
B1 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"

Valvola di massima distributori ausiliari
Relief valve for auxiliary valves

Valvola di massima ribaltabile.
Tipper relief valve

Comando meccanico distributore ausiliario
Mechanical control auxiliary valve

B1



Cod. 13499200114

Kit tiranti / *Fixation kit*
Cod. 13499250016

Comando pneumatico discesa (Tubo 6)
Lowering pneumatic control (6mm air pipe)

Comando pneumatico salita (Tubo 6)
Tipping pneumatic control (6mm air pipe)

Regolatore portata distributori ausiliari
Flow regulator auxiliary valves

Coperchio di chiusura distributori ausiliari
Cover plate auxiliary valves
Cod. 13499210014

Comando pneumatico distributore ausiliario G 1/8"
Pneumatic controls auxiliary valves G1/8"

99740012120

15/07/2026

99712101601 Rev: BD

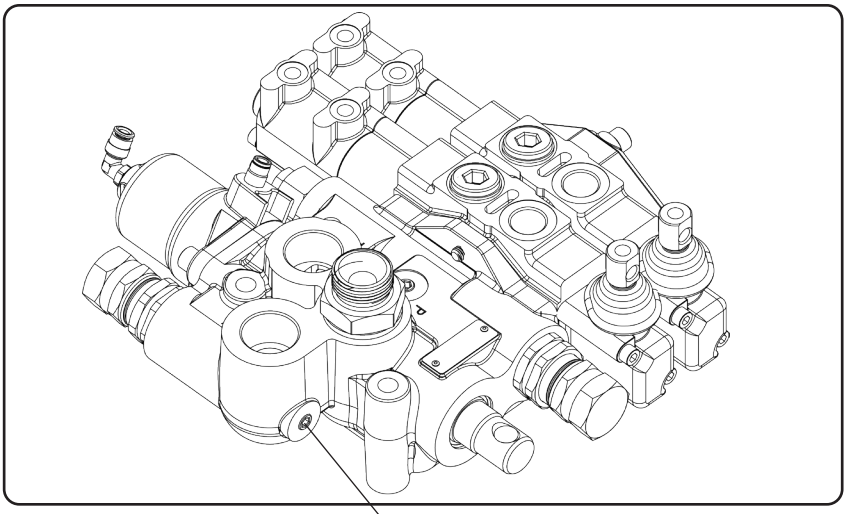
OMFB HYDRAULIC COMPONENTS

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

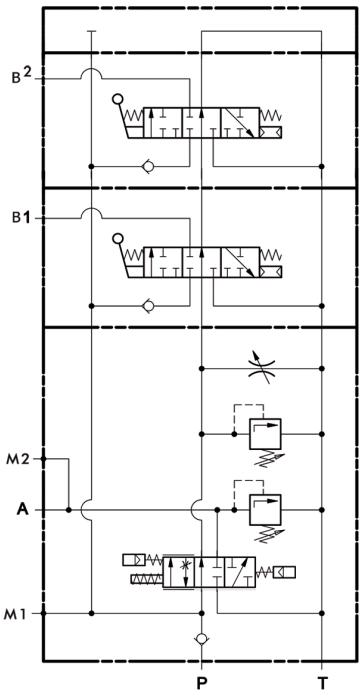
DEVIATORE MODUL-GATE: RIBALTABILE + 2 SEZIONI SEMPLICE EFFETTO COD. 12101600215

MODUL-GATE CONTROL VALVE: MAIN VALVE + 2 SINGLE ACTING SECTIONS COD. 12101600215



Prelievo pressione del cilindro G 1/8"
Port for cylinder pressure G 1/8" **M2**

Schema idraulico / *Hydraulic scheme*



Prelievo pressione della pompa G 1/8"
Port for pump pressure G 1/8" **M1**

Ingresso olio dalla pompa G 1"
Oil input from the pump **P**

Cilindro G 1" **A**
Cylinder

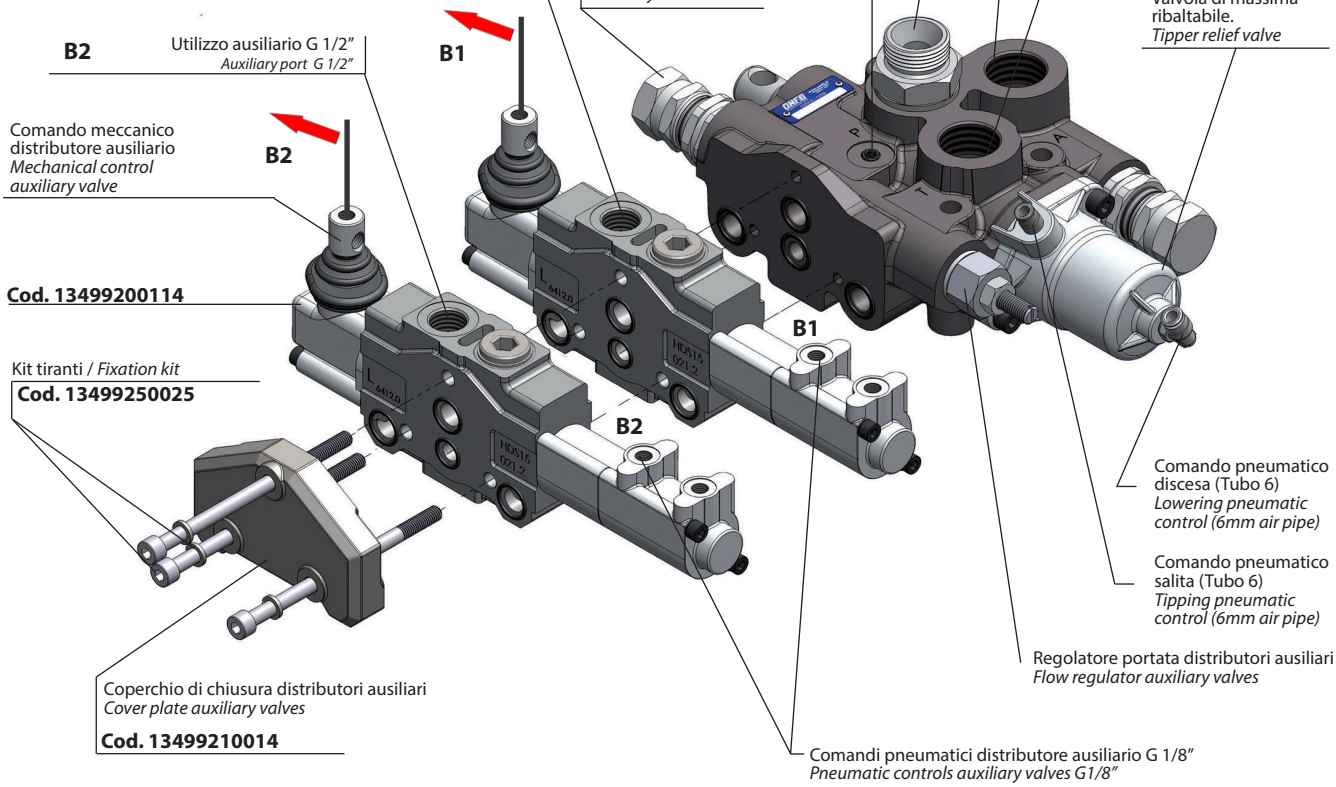
Scarico a serbatoio G 1" **T**
Return to Tank

B1 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"

Valvola di massima distributori ausiliari
Relief valve for auxiliary valves

Valvola di massima ribaltabile.
Tipper relief valve

B2 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"



Comando meccanico distributore ausiliario
Mechanical control auxiliary valve

Cod. 13499200114

Kit tiranti / *Fixation kit*
Cod. 13499250025

Comando pneumatico discesa (Tubo 6)
Lowering pneumatic control (6mm air pipe)

Comando pneumatico salita (Tubo 6)
Tipping pneumatic control (6mm air pipe)

Regolatore portata distributori ausiliari
Flow regulator auxiliary valves

Coperchio di chiusura distributori ausiliari
Cover plate auxiliary valves
Cod. 13499210014

Comandi pneumatici distributore ausiliario G 1/8"
Pneumatic controls auxiliary valves G1/8"

99740012120

15/07/2026

99712101601 Rev: BD

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

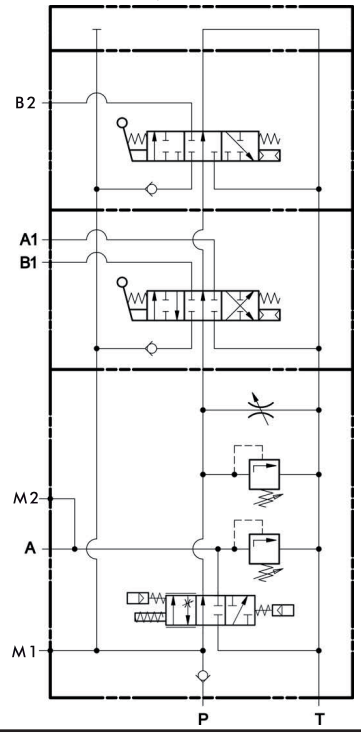
O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

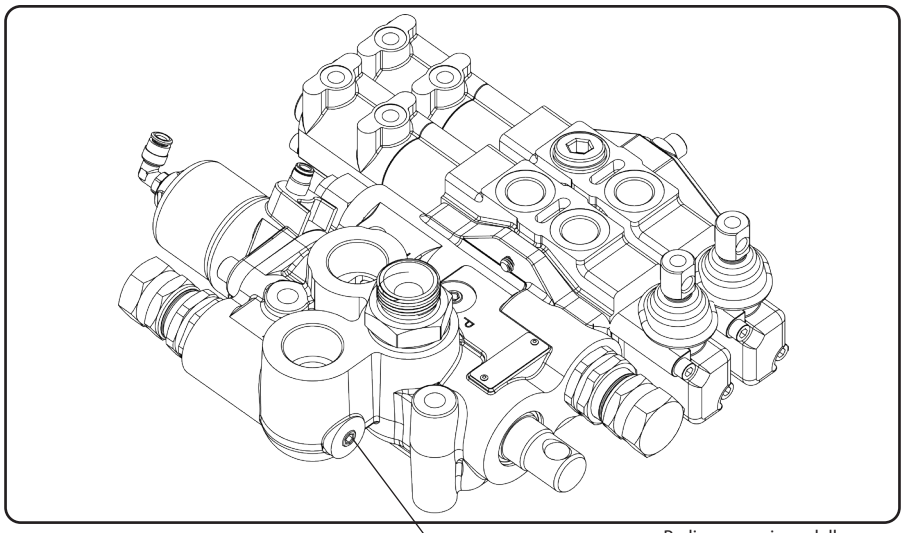
OMFB HYDRAULIC COMPONENTS

DEVIATORE MODUL-GATE: RIBALTABILE + 1 SEZIONE DOPPIO EFFETTO + 1 SEZIONE SEMPLICE EFFETTO COD. 12101600210

MODUL-GATE CONTROL VALVE: MAIN VALVE + 1 DOUBLE ACTING SECTION + 1 SINGLE ACTING SECTION 12101600210

Schema idraulico / *Hydraulic scheme*





99740012120

Prelievo pressione del cilindro G 1/8"
Port for cylinder pressure G 1/8" **M2**

Prelievo pressione della pompa G 1/8"
Port for pump pressure G 1/8" **M1**

Valvola di massima distributori ausiliari
Relief valve for auxiliary valves

Ingresso olio dalla pompa G 1"
Oil input from the pump **P**

A1 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"

Cilindro G 1" **A**
Cylinder

B1 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"

Scarico a serbatoio G 1" **T**
Return to Tank

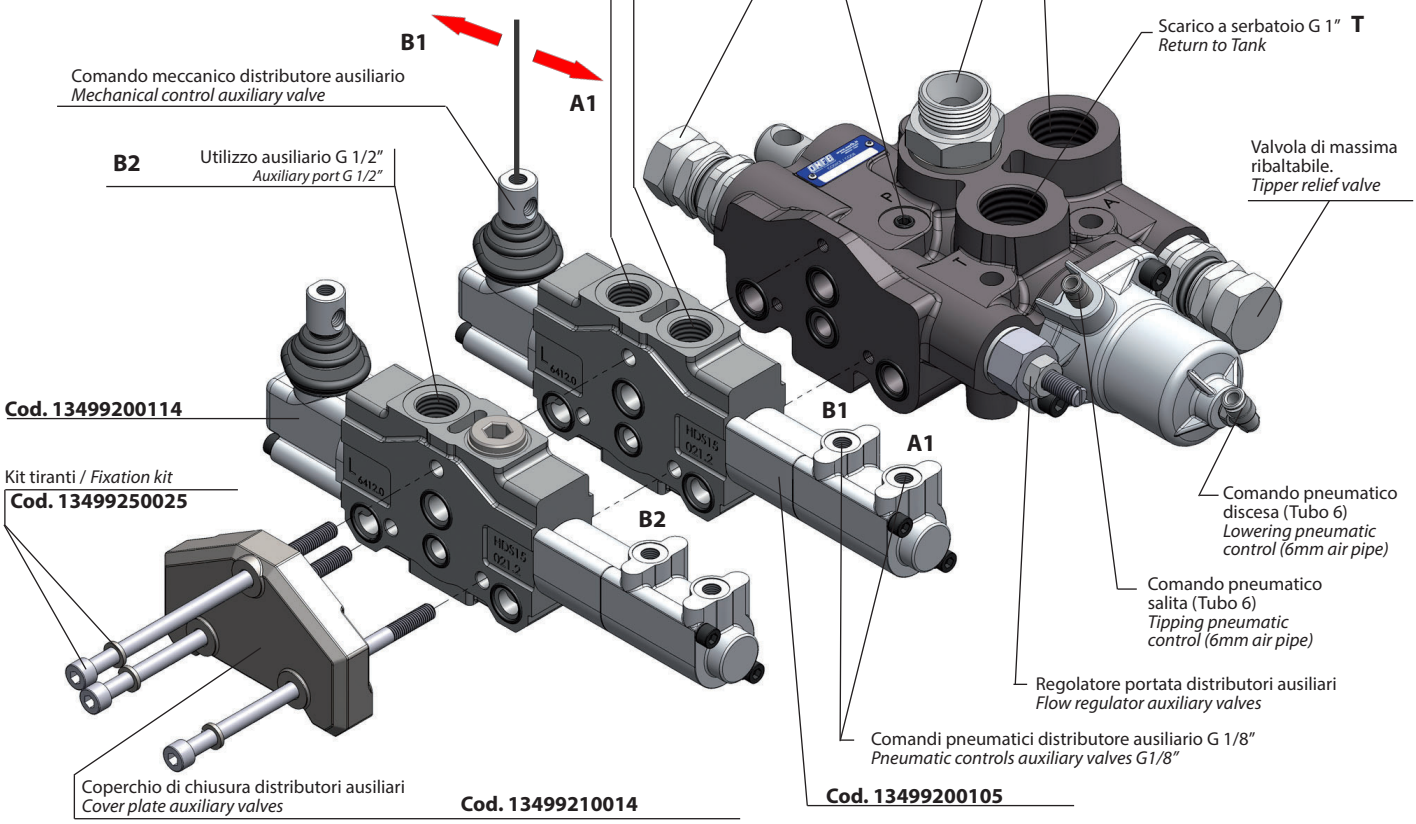
B1

A1

Comando meccanico distributore ausiliario
Mechanical control auxiliary valve

B2 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"

Valvola di massima ribaltabile.
Tipper relief valve



Cod. 13499200114

Kit tiranti / *Fixation kit*
Cod. 13499250025

Comando pneumatico discesa (Tubo 6)
Lowering pneumatic control (6mm air pipe)

Comando pneumatico salita (Tubo 6)
Tipping pneumatic control (6mm air pipe)

Regolatore portata distributori ausiliari
Flow regulator auxiliary valves

Comandi pneumatici distributore ausiliario G 1/8"
Pneumatic controls auxiliary valves G1/8"

Coperchio di chiusura distributori ausiliari
Cover plate auxiliary valves **Cod. 13499210014**

Cod. 13499200105

15/07/2026

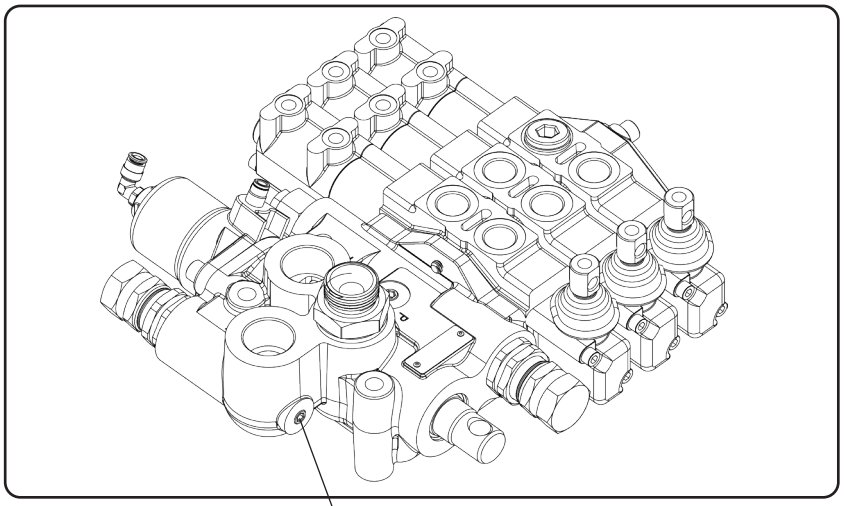
99712101601 Rev: BD

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

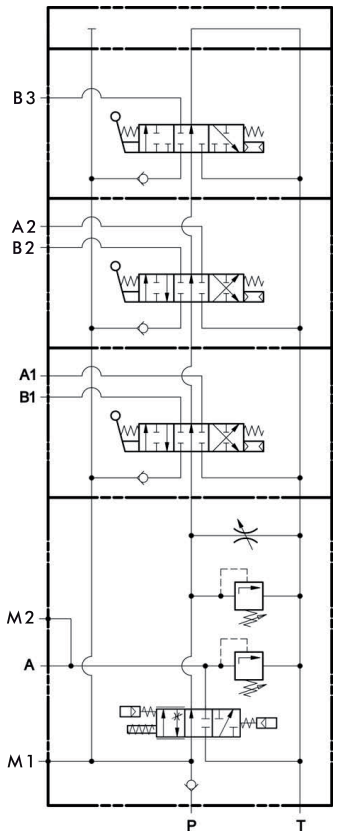
DEVIATORE MODUL-GATE: RIBALTABILE + 2 SEZIONI DOPPIO EFFETTO + 1 SEZIONE SEMPLICE EFFETTO COD. 12101600318

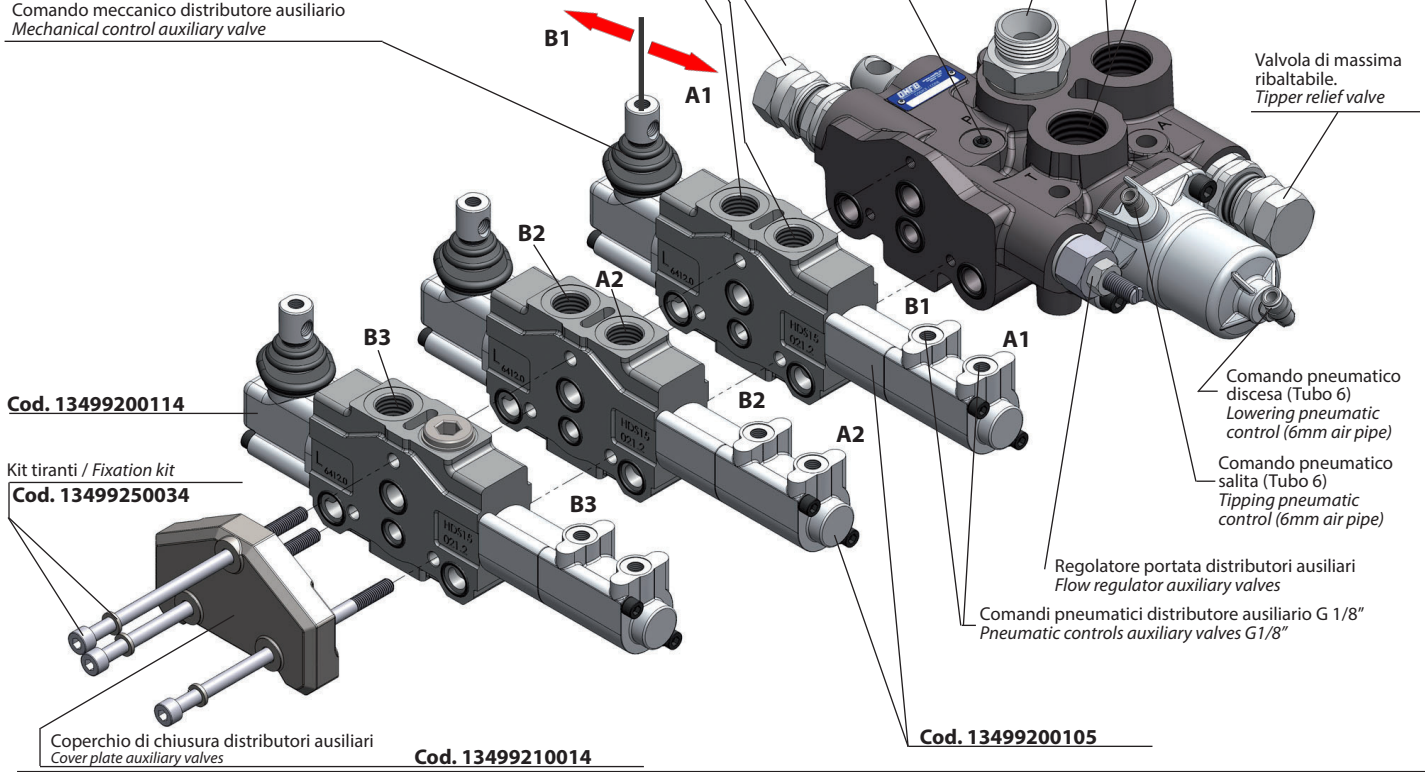
MODUL-GATE CONTROL VALVE: MAIN VALVE + 2 DOUBLE ACTING SECTIONS + 1 SINGLE ACTING SECTION 12101600318



Prelievo pressione del cilindro G 1/8"
Port for cylinder pressure G 1/8" **M2**

Schema idraulico / *Hydraulic scheme*





Valvola di massima distributori ausiliari
Relief valve for auxiliary valves

Prelievo pressione della pompa G 1/8"
Port for pump pressure G 1/8" **M1**

Ingresso olio dalla pompa G 1" **P**
Oil input from the pump

A1 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"

Cilindro G 1" **A**
Cylinder

B1 Utilizzo ausiliario G 1/2"
Auxiliary port G 1/2"

Scarico a serbatoio G 1" **T**
Return to Tank

Comando meccanico distributore ausiliario
Mechanical control auxiliary valve

Valvola di massima ribaltabile.
Tipper relief valve

Cod. 13499200114

Kit tiranti / *Fixation kit*
Cod. 13499250034

Comando pneumatico discesa (Tubo 6)
Lowering pneumatic control (6mm air pipe)

Comando pneumatico salita (Tubo 6)
Tipping pneumatic control (6mm air pipe)

Regolatore portata distributori ausiliari
Flow regulator auxiliary valves

Comandi pneumatici distributore ausiliario G 1/8"
Pneumatic controls auxiliary valves G1/8"

Coperchio di chiusura distributori ausiliari
Cover plate auxiliary valves **Cod. 13499210014**

Cod. 13499200105

99740012120

15/07/2026

99712101601 Rev: BD

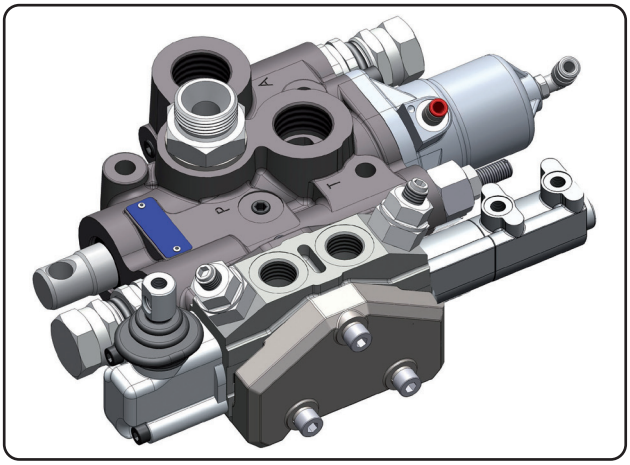
COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

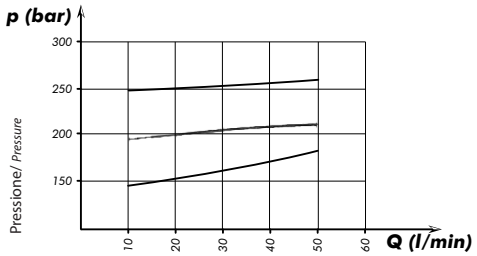
OMFB HYDRAULIC COMPONENTS

DEVIATORE MODUL-GATE:
RIBALTABILE + 1 SEZIONE DOPPIO EFFETTO CON VALVOLA DI MASSIMA
MODUL-GATE CONTROL VALVE:
MAIN VALVE + 1 DOUBLE ACTING SECTION WITH RELIEF VALVE

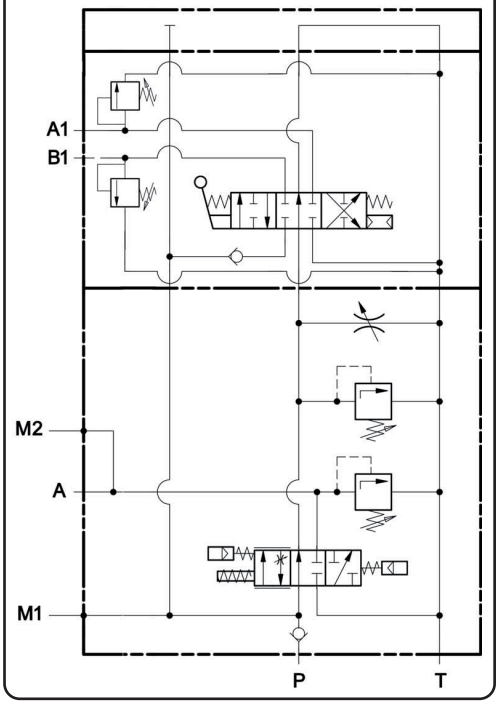
Codice / Code	Tipo valvola di massima / Relief valve type
12101610101	Diretta / Direct
12101612109	Pilot



Curva carettristica p-Q valvola di massima distributore ausiliario
p-Q operating curve for pressure relief valve auxiliary valve



Schema idraulico / *Hydraulic scheme*



99740012120

15/07/2026

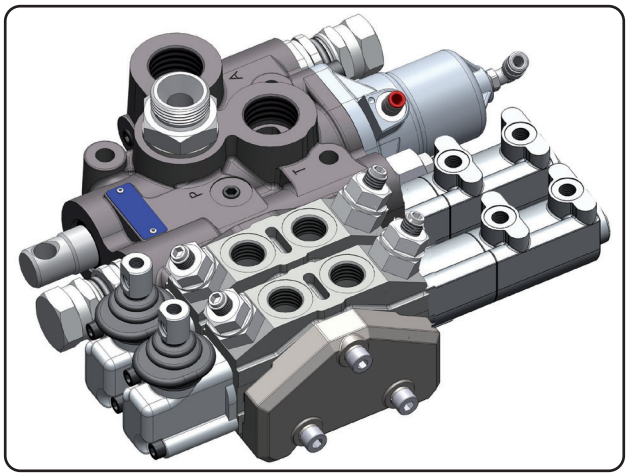
99712101601 Rev: BD

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

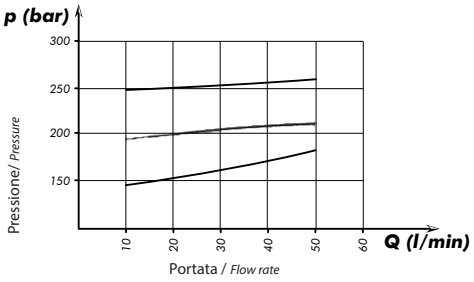
OMFB HYDRAULIC COMPONENTS

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

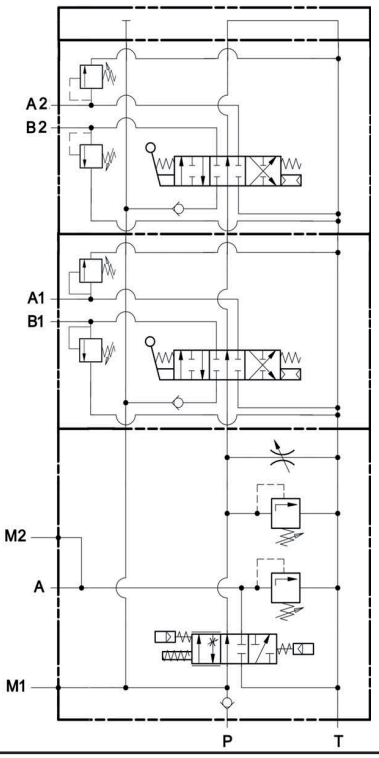
DEVIATORE MODUL-GATE:
RIBALTABILE + 2 SEZIONI DOPPIO EFFETTO CON VALVOLA DI MASSIMA CODICE 12101610209
MODUL-GATE CONTROL VALVE:
MAIN VALVE + 2 DOUBLE ACTING SECTIONS WITH RELIEF VALVE CODE 12101610209

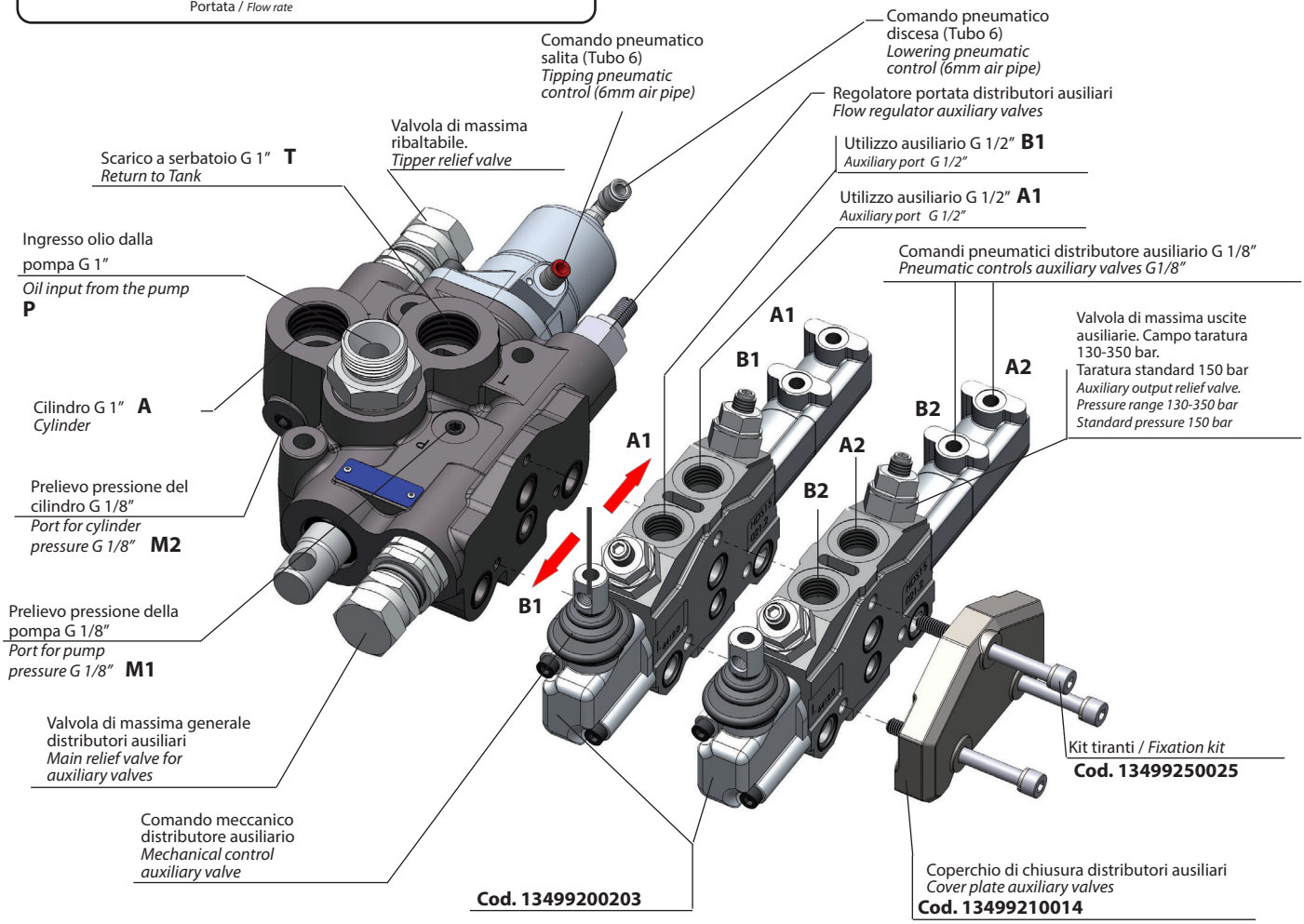


Curva carettristica p-Q valvola di massima distributore ausiliario
p-Q operating curve for pressure relief valve auxiliary valve



Schema idraulico / *Hydraulic scheme*





99740012120

15/07/2026

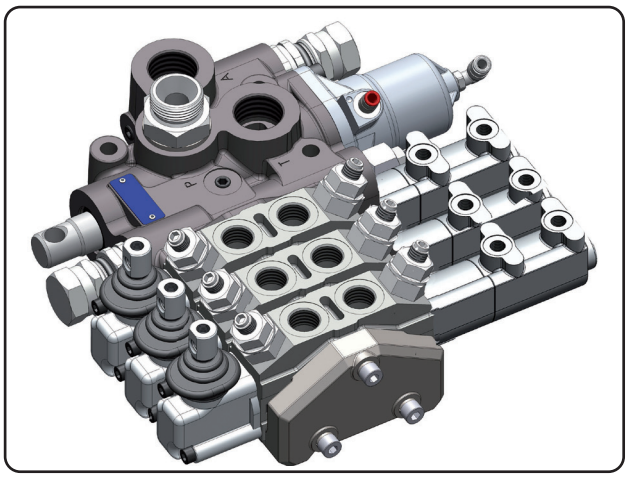
99712101601 Rev: BD

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

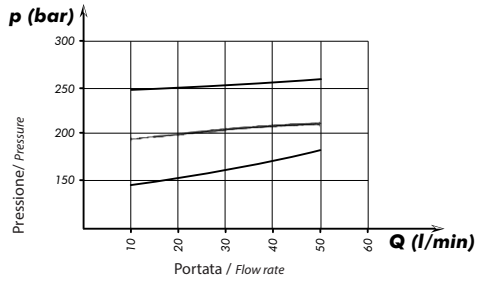
O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

OMFB HYDRAULIC COMPONENTS

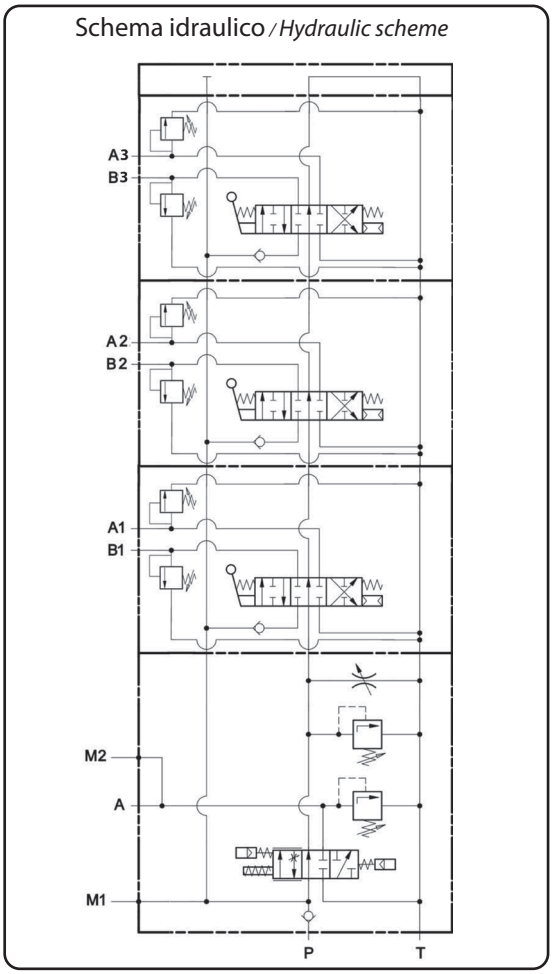
DEVIATORE MODUL-GATE:
RIBALTABILE + 3 SEZIONI DOPPIO EFFETTO CON VALVOLA DI MASSIMA CODICE 12101610307
MODUL-GATE CONTROL VALVE:
MAIN VALVE + 3 DOUBLE ACTING SECTIONS WITH RELIEF VALVE CODE 12101610307

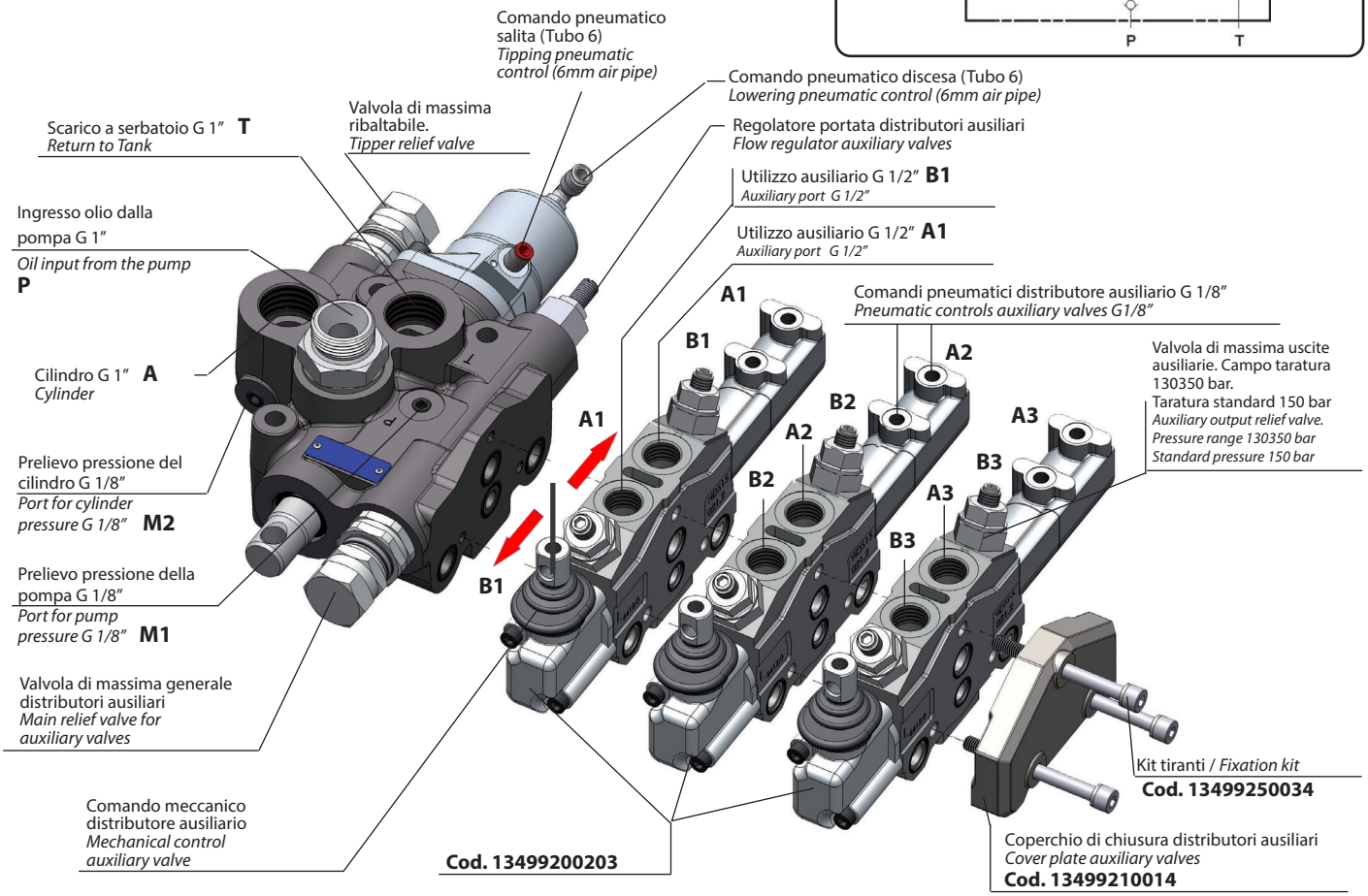


Curva carettristica p-Q valvola di massima distributore ausiliario
p-Q operating curve for pressure relief valve auxiliary valve



Schema idraulico / *Hydraulic scheme*





99740012120
15/07/2026
99712101601 Rev: BD

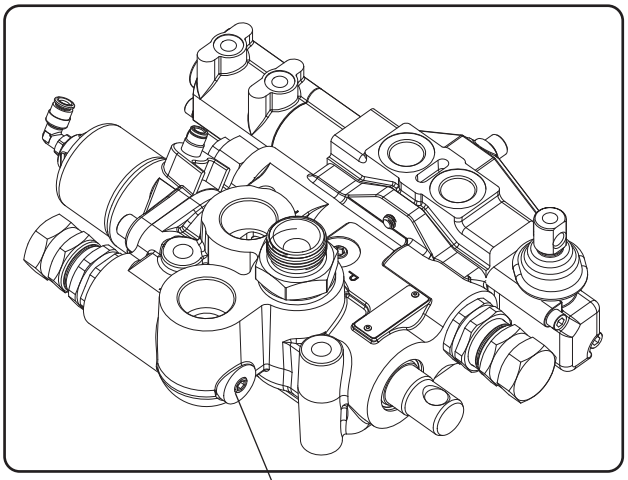
O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

OMFB HYDRAULIC COMPONENTS

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

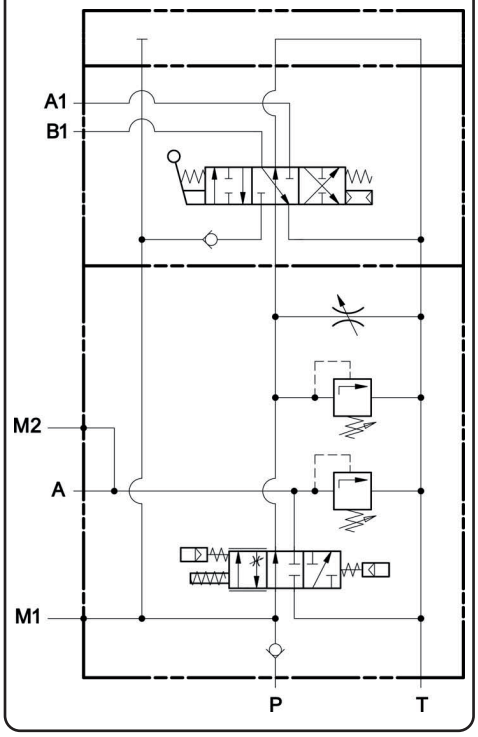
DEVIATORE MODUL-GATE: RIBALTABILE + 1 SEZIONE DOPPIO EFFETTO CON UTILIZZO "B" A SCARICO - COD. 12101630107

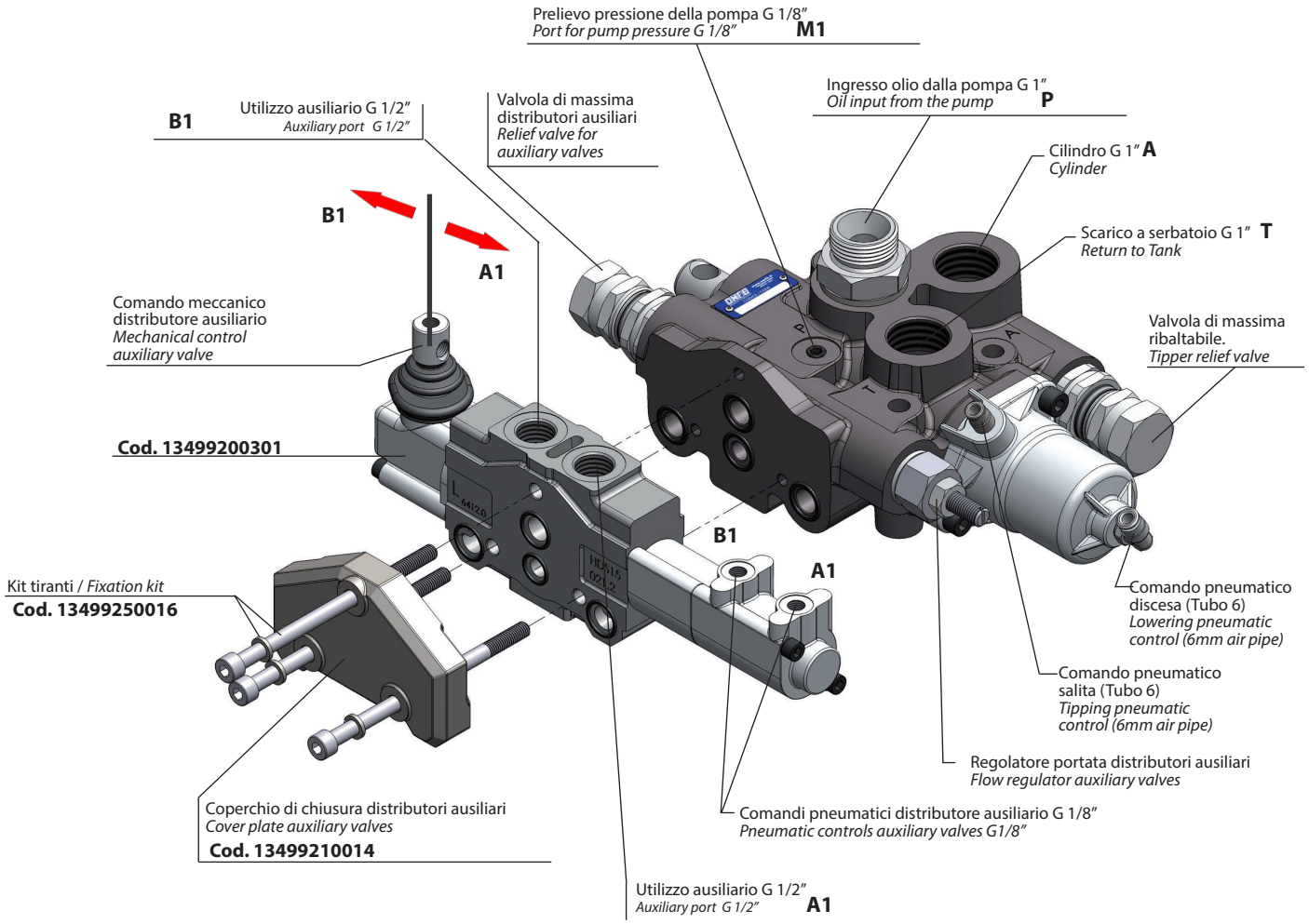
MODUL-GATE CONTROL VALVE: MAIN VALVE + 1 DOUBLE ACTING SECTION WITH PORT "B" TO TANK - CODE 12101630107



Prelievo pressione del cilindro G 1/8"
Port for cylinder pressure G 1/8" **M2**

Schema idraulico / *Hydraulic scheme*





99740012120

15/07/2026

99712101601 Rev: BD

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

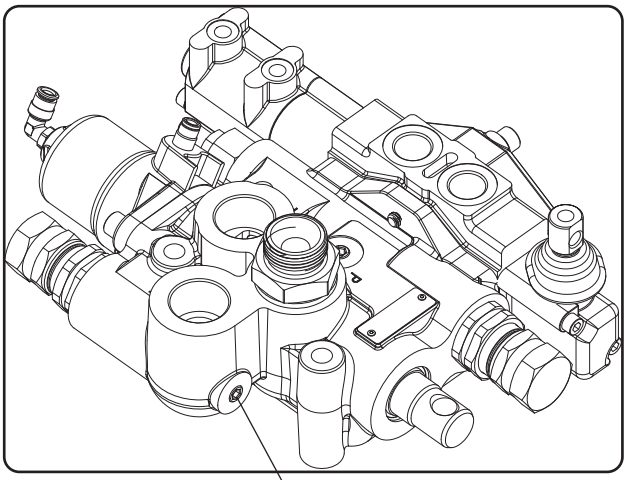
O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

OMFB HYDRAULIC COMPONENTS

DEVIATORE MODUL-GATE: RIBALTABILE + 1 SEZIONE DOPPIO EFFETTO CON UTILIZZI A1 E B1 A SCARICO

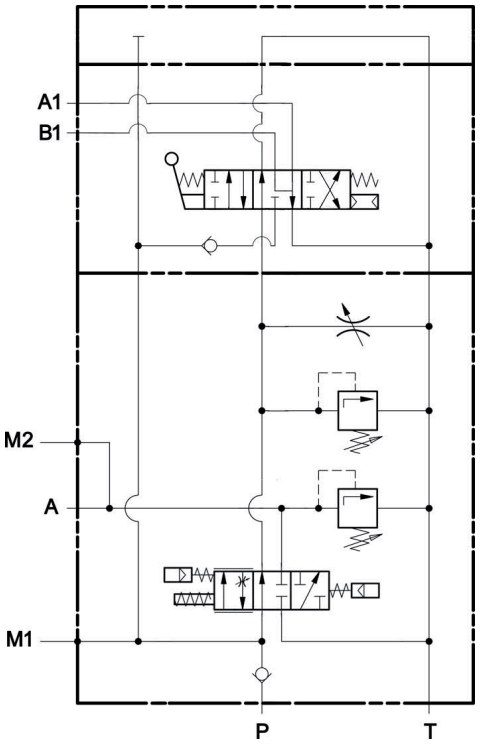
MODUL-GATE CONTROL VALVE: MAIN VALVE + 1 DOUBLE ACTING SECTION WITH PORT A1 AND B1 TO TANK

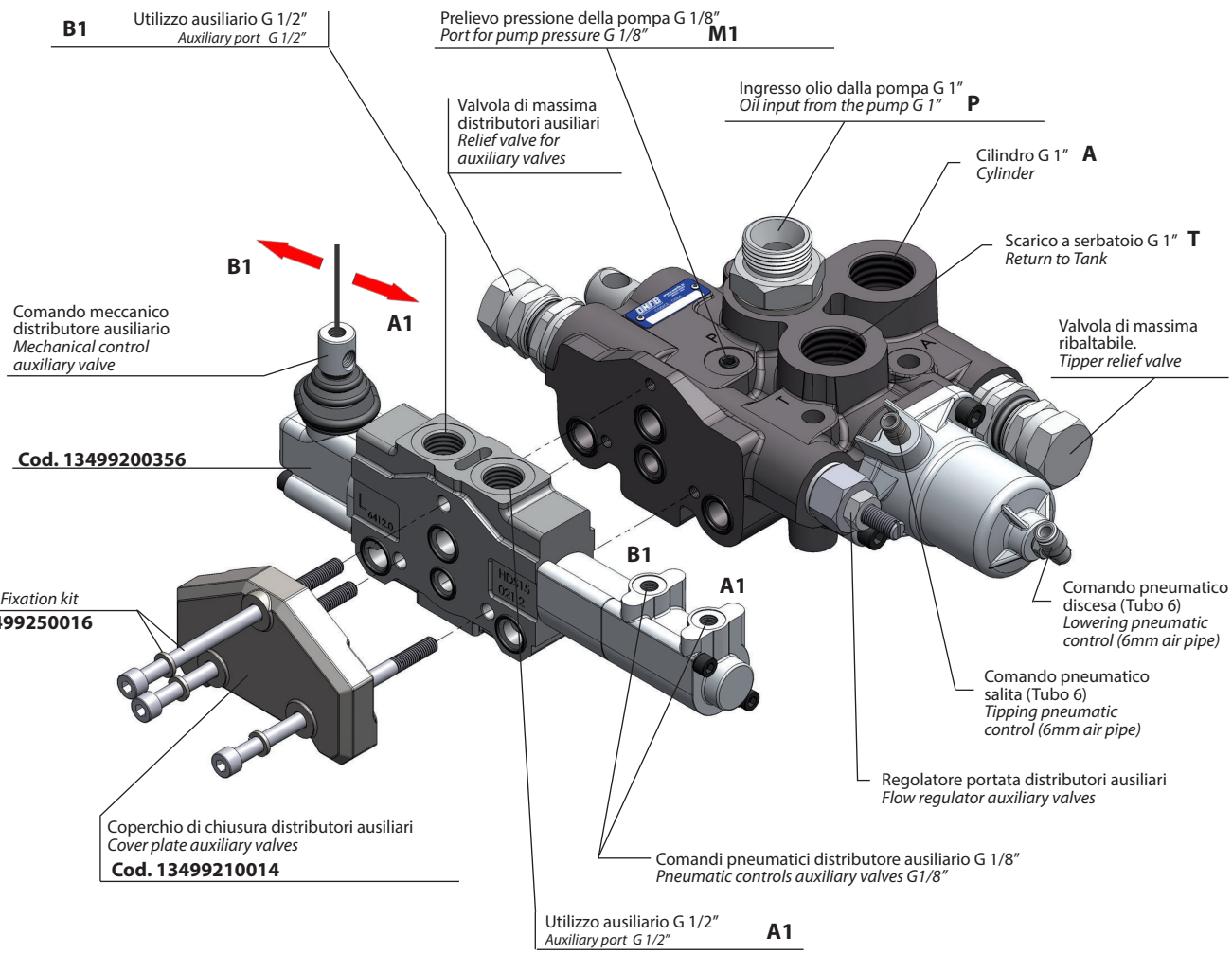
Codice / Code: 12101640105



Prelievo pressione del cilindro G 1/8"
Port for cylinder pressure G 1/8" **M2**

Schema idraulico / *Hydraulic scheme*





O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

OMFB HYDRAULIC COMPONENTS

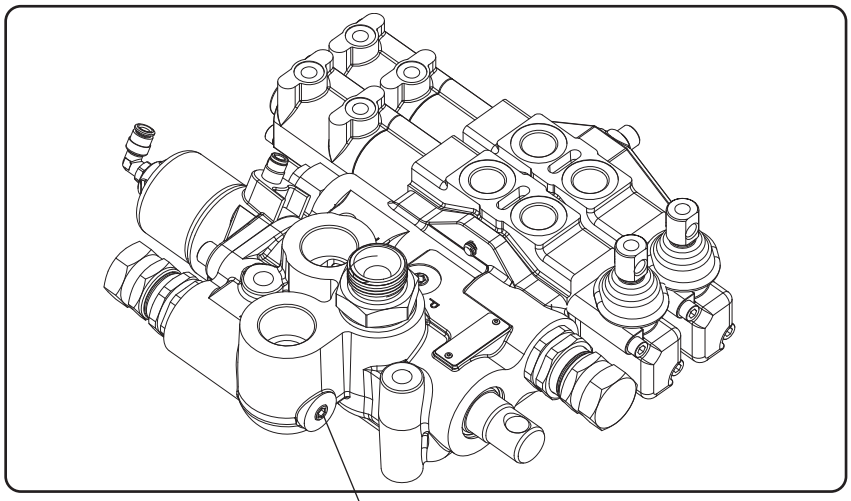
COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

99740012120
15/07/2026
99712101601 Rev: BD

DEVIATORE MODUL-GATE: RIBALTABILE + 2 SEZIONI DOPPIO EFFETTO CON UTILIZZI A1/A2 E B1/B2 A SCARICO

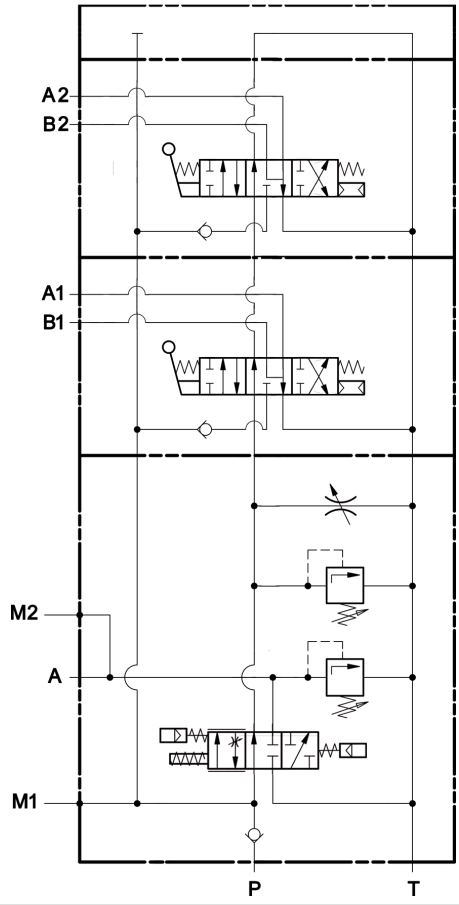
MODUL-GATE CONTROL VALVE: MAIN VALVE + 2 DOUBLE ACTING SECTIONS WITH PORT A1/A2 AND B1/B2 TO TANK

Codice / Code: 12101640203

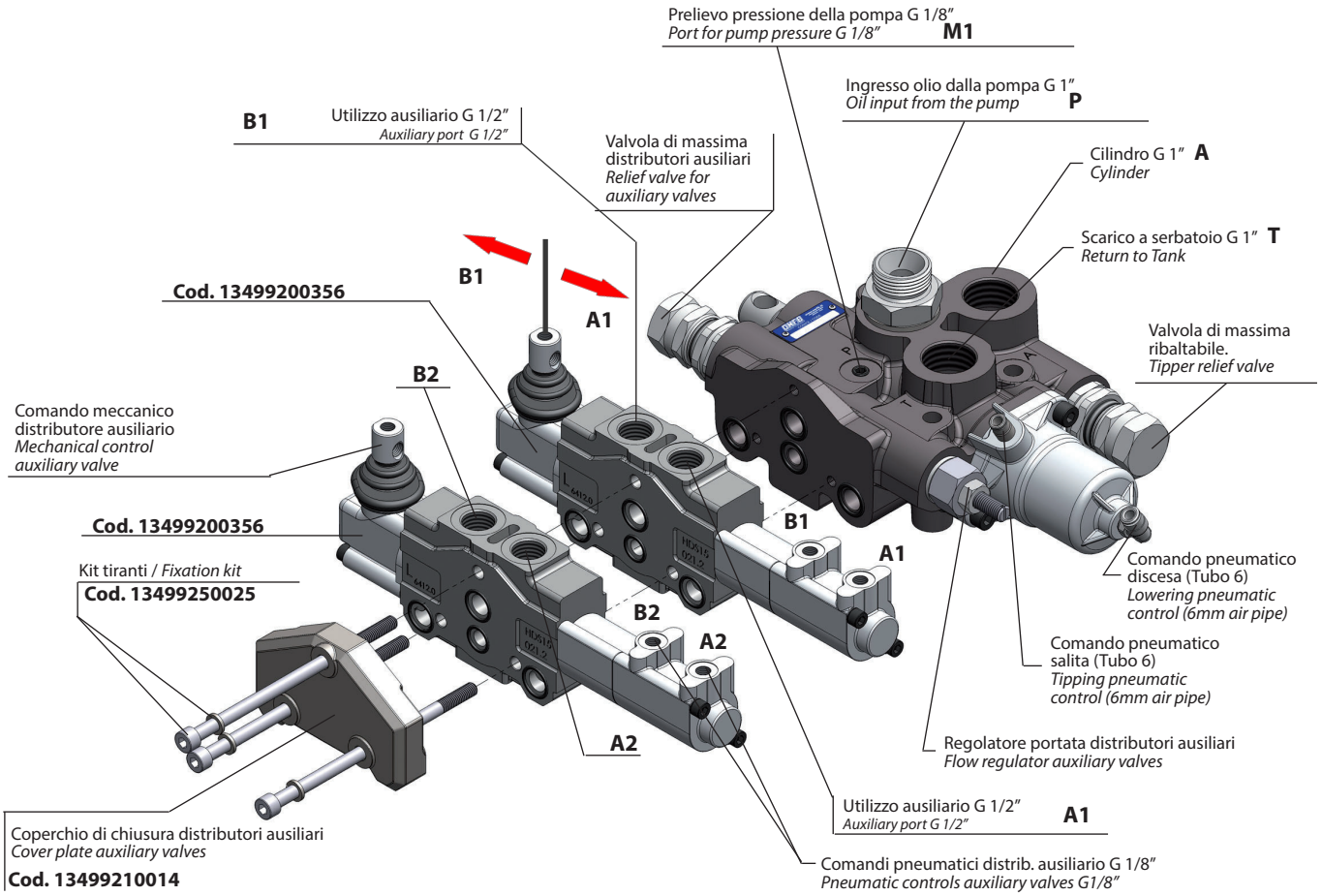


Prelievo pressione del cilindro G 1/8"
Port for cylinder pressure G 1/8" **M2**

Schema idraulico / *Hydraulic scheme*



99740012120



15/07/2026

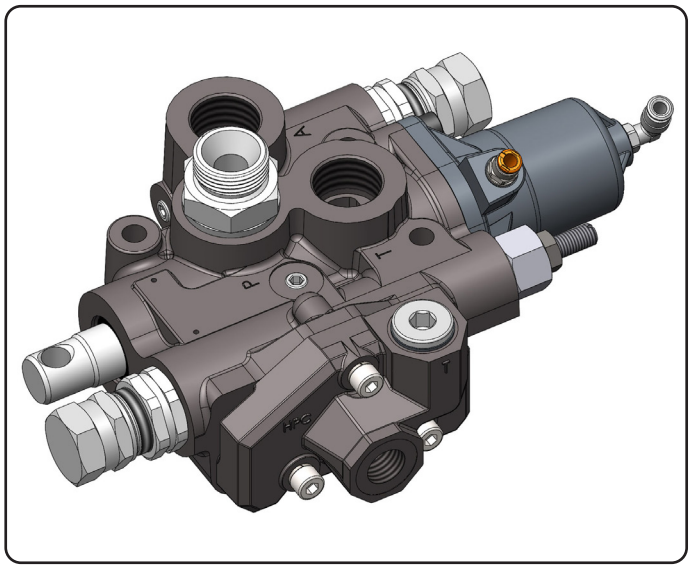
99712101601 Rev: BD

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

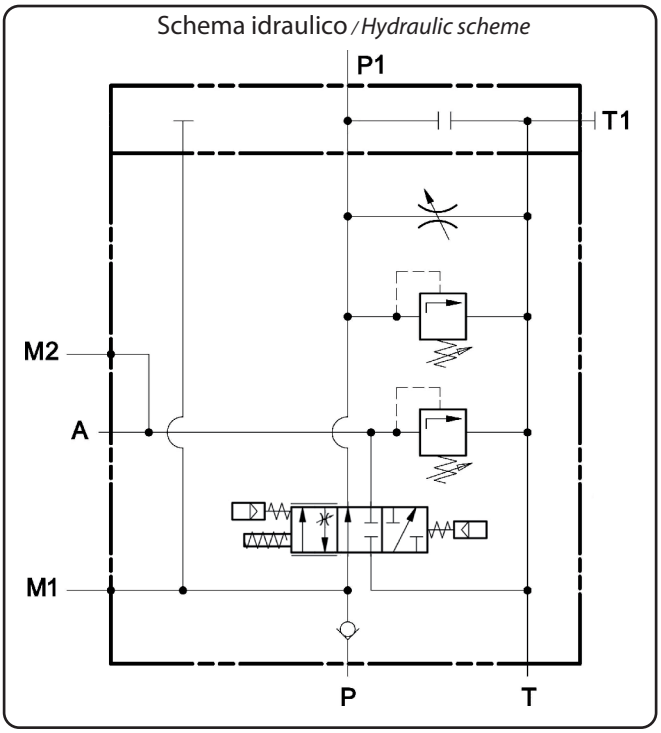
O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

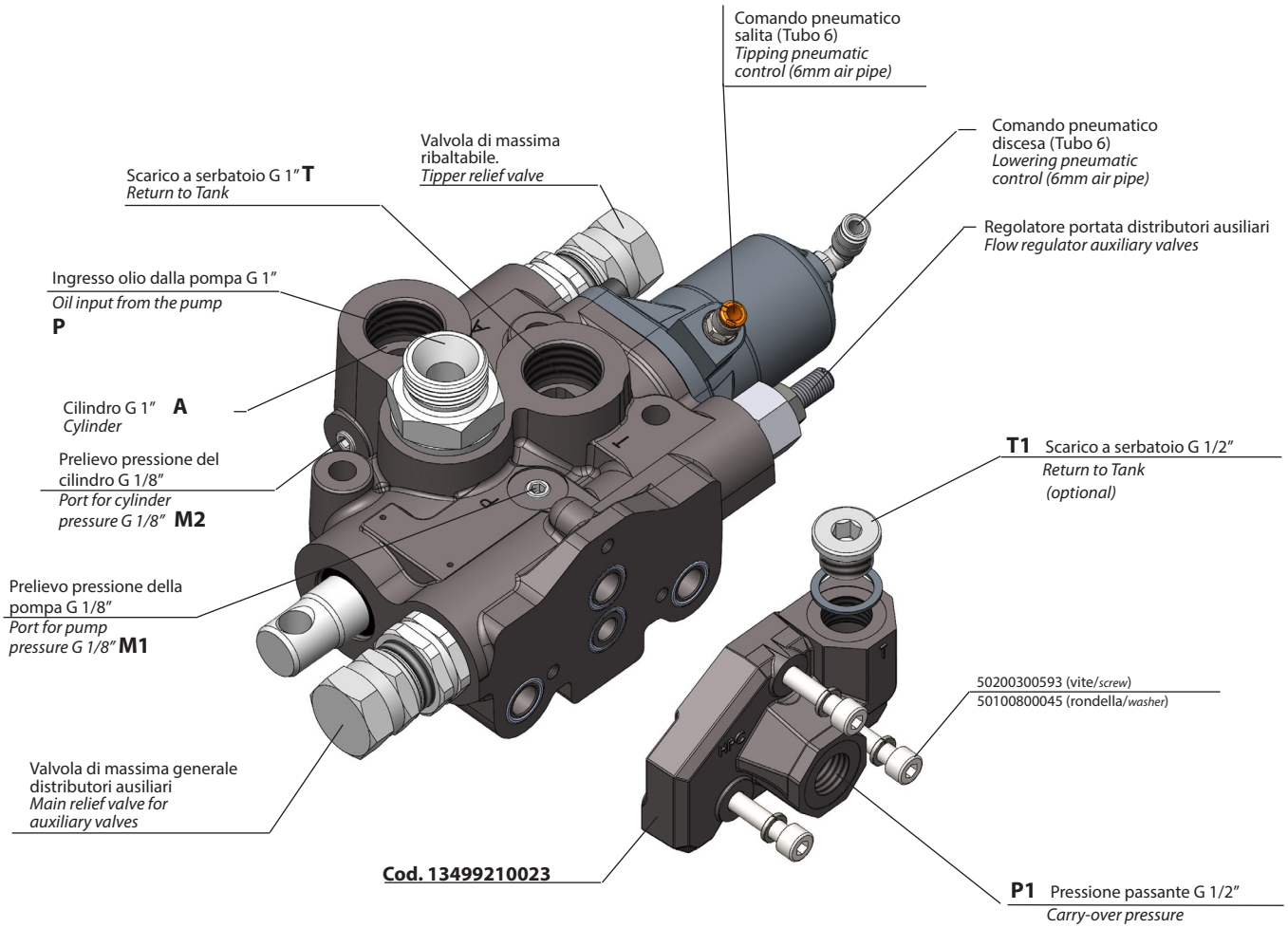
OMFB HYDRAULIC COMPONENTS

DEVIATORE MODUL-GATE: RIBALTABILE + CARRY-OVER CODICE 12101690007
MODUL-GATE CONTROL VALVE: MAIN VALVE + CARRY-OVER CODE 12101690007



Schema idraulico / *Hydraulic scheme*





99740012120

15/07/2026

99712101601 Rev: BD

O.M.F.B. S.p.A. Hydraulic Components
We reserve the right to make any changes without notice.
Edition 2003.03 No reproduction, however partial, is permitted.
Via Cave, 7/9 25050 Provaglio d'Iseo (Brescia) Italy Tel.: +39.030.9830611
Fax: +39.030.9839207-208 Internet:www.omfb.it e-mail:contatti@omfb.it

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =