

CAPITOLO | CHAPTER

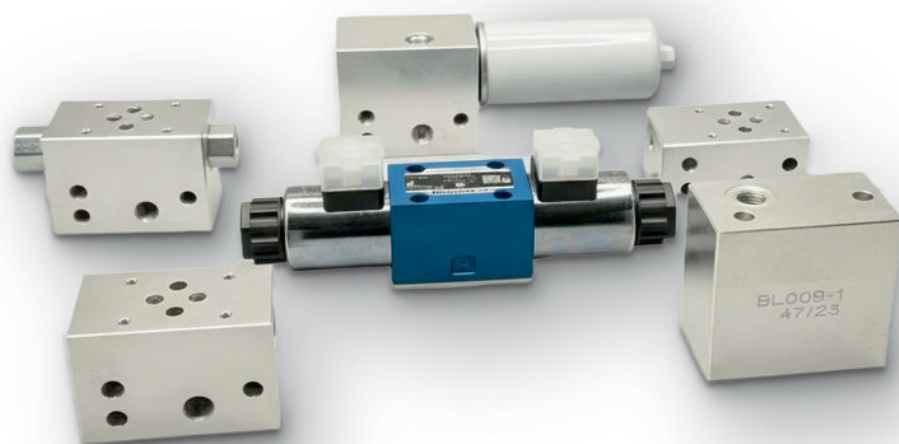
CAPITOLO 07

ELEMENTI MODULARI

modular elements

ITALIAN QUALITY SINCE 1989

07



CAPITOLO 07

Elementi modulari

modular elements

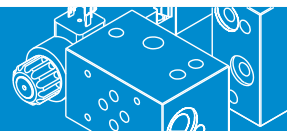
Blocchi modulari da montare sul collettore centrale per comporre il circuito: distanziali, blocchi con valvole, filtro di ritorno, regolatori di flusso ed elettrovalvole.

Modular blocks to mount on the central manifold to build the circuit: spacers, valve manifolds, return filter, flow regulators and solenoid valves.

IN QUESTO CAPITOLO in this chapter

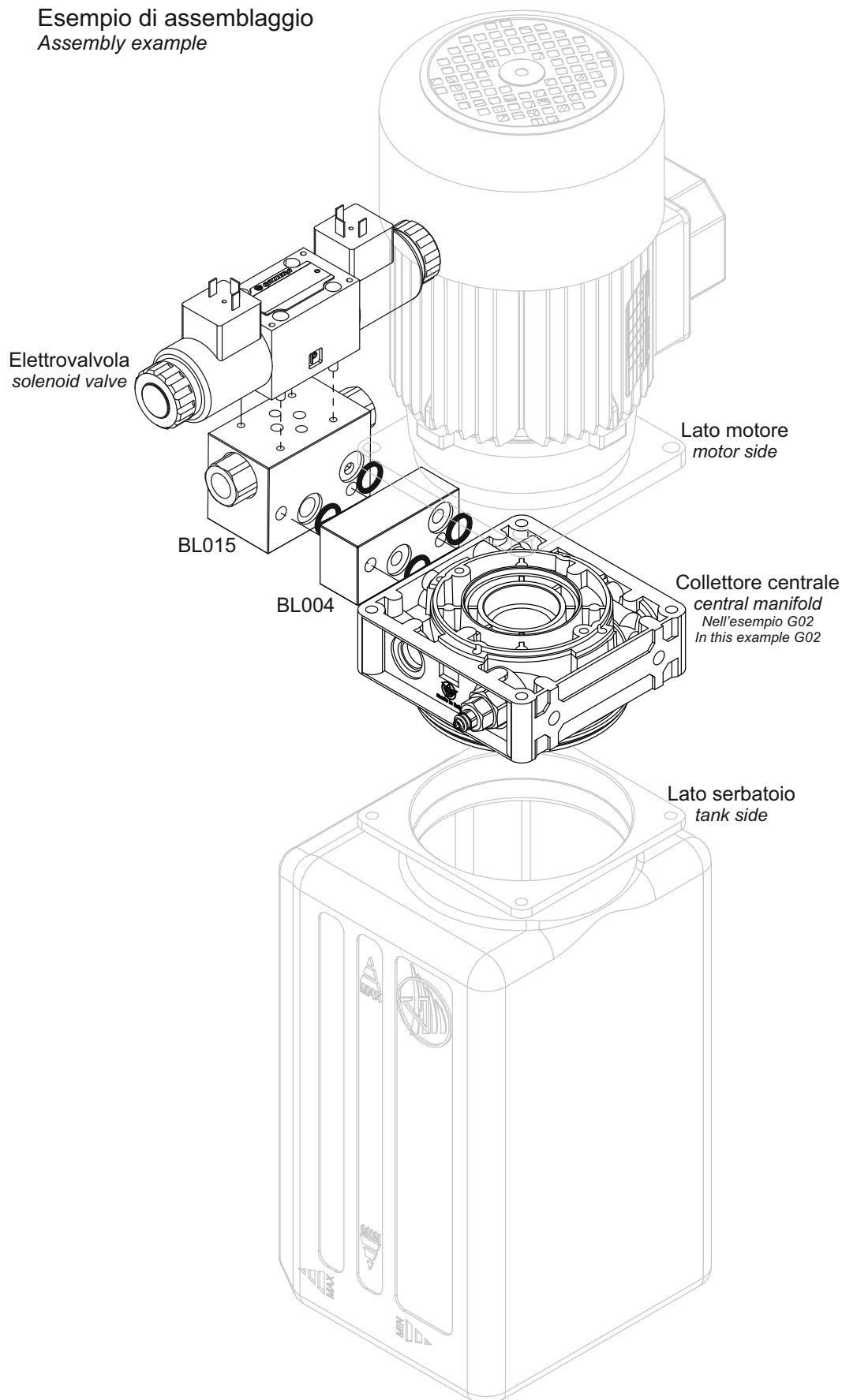
BL	Esempio di assemblaggio <i>assembly example</i>	74
BL004	Distanziali <i>spacers</i>	75
BL004-1	Distanziale con connessione 1/4" BSP <i>spacer with additional 1/4" BSP port</i>	75
BL008	Blocchi modulari con porte posteriori 3/8" BSP <i>modular manifolds with rear 3/8" BSP ports</i>	76
BL009	Blocco per rotazione 90° con porta 1/4" BSP <i>90° rotation manifold, 1/4" BSP port</i>	76
BL010	Blocco modulare con porte laterali 3/8" BSP <i>modular manifold with lateral 3/8" BSP ports</i>	77
BL011	Blocco per circuito semplice effetto aggiuntivo <i>manifold for additional single acting circuit</i>	77
BL015	Blocchi con valvola di ritegno pilotata <i>manifolds with pilot check valve</i>	78
BL018	Valvole di blocco modulari <i>modular pilot operated check valves</i>	79
BL021	Blocco per valvole MSV e MDV <i>manifold for MSV and MDV valves</i>	80
BL022	Blocco modulare per valvole MSV e MDV <i>modular manifold for MSV and MDV valves</i>	80
BL023	Blocco pompa manuale <i>hand pump modular manifold</i>	81
BL025	Blocco filtro di ritorno <i>return filter manifold</i>	82
BL035	Regolatori di flusso A+B in scarico <i>flow regulators in lines A and B</i>	83
BL050	Blocchi limitatrice di pressione <i>pressure control manifolds</i>	84
DD DM	Elettrovalvole <i>solenoid valves</i>	85

Elementi modulari *modular elements*

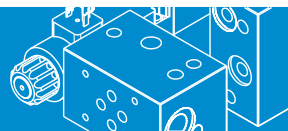


Blocchi valvole - *valve blocks*

Esempio di assemblaggio
Assembly example



Elementi modulari modular elements

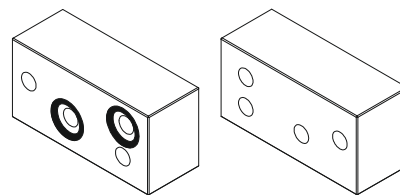
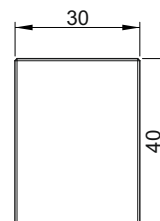
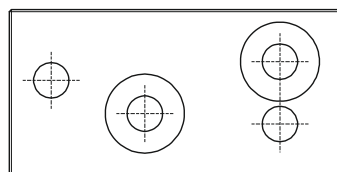
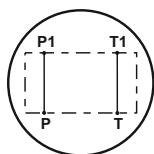


07

BL004

Distanziale
Spacer element

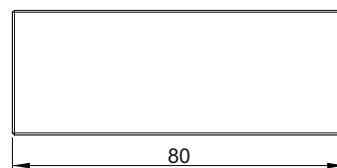
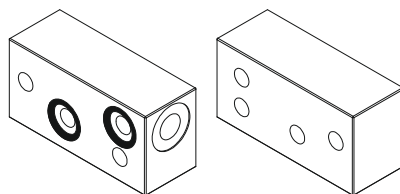
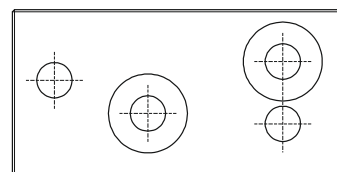
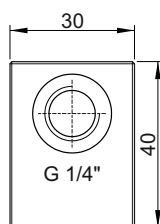
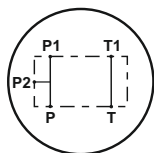
Simbolo
symbol



BL004-1

Distanziale con connessione aggiuntiva 1/4" BSP
Spacer element with additional 1/4" BSP port

Simbolo
symbol

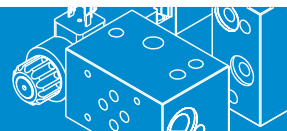


NB: Versione larghezza 40 disponibile con il codice BL004-2 (indispensabile per blocchi in presenza di motore taglia 112).

Note: version width 40 available with code BL004-2 (essential for manifolds in presence of motors size 112).



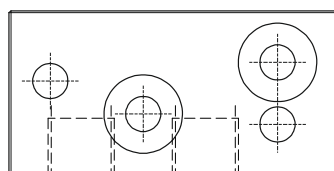
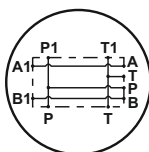
Elementi modulari modular elements



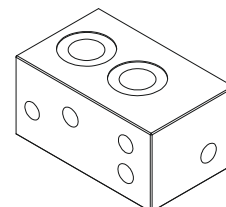
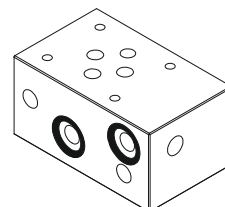
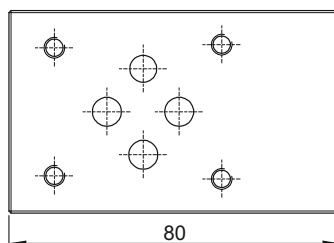
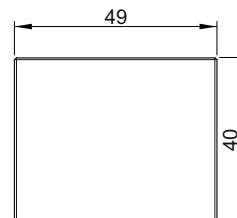
BL008

Blocco modulare con porte posteriori 3/8" BSP
Modular manifold with rear 3/8" BSP ports

Simbolo
symbol



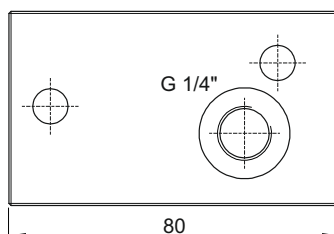
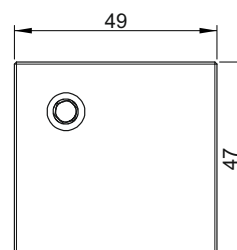
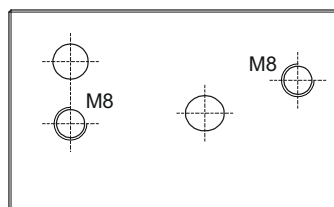
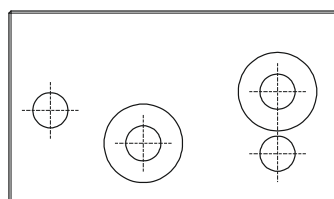
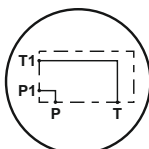
G 3/8" G 3/8"



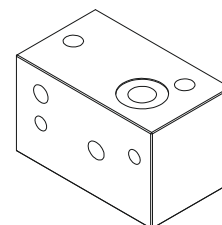
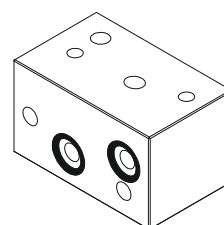
BL009

Blocco per rotazione 90° con connessione aggiuntiva 1/4" BSP
90° rotation manifold with additional 1/4" BSP

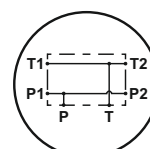
Simbolo
symbol



G 1/4"



NB: Versione altezza 79 disponibile con il codice BL009-1 (anche bidirezionale, codice BL009-2).
Note: version height 79 available with code BL009-1 (also bidirectional, code BL009-2).



BL009-2

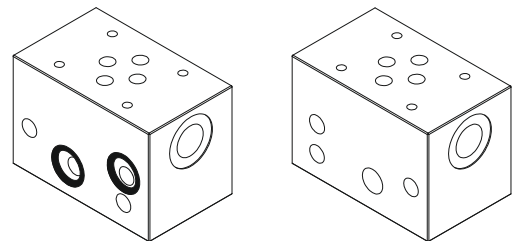
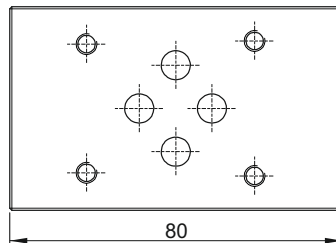
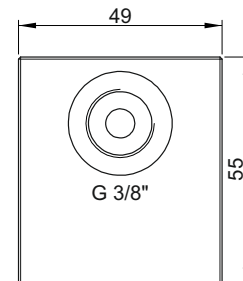
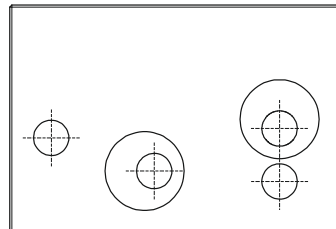
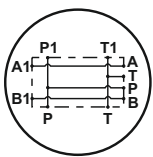
Elementi modulari modular elements

07

BL010

Blocco modulare con porte laterali 3/8" BSP
Modular manifold with lateral 3/8" BSP ports

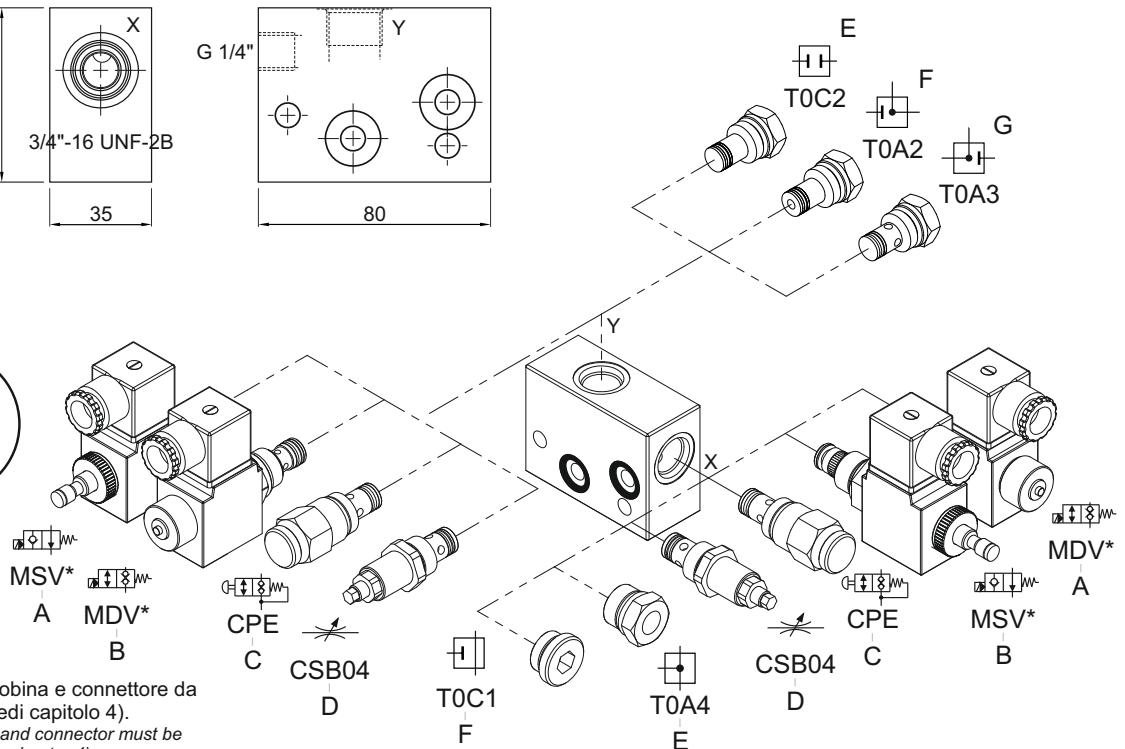
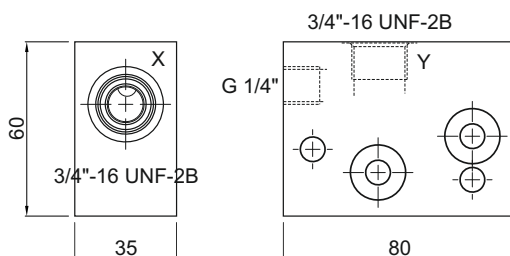
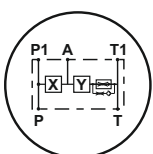
Simbolo
symbol



BL011-X-Y

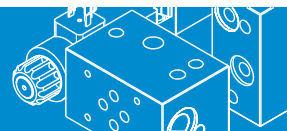
Blocco per circuito semplice effetto aggiuntivo
Manifold for additional single acting circuit

Simbolo
symbol



*NB: Tipo, tensione bobina e connettore da specificare a parte (vedi capitolo 4).
*Note: type, coil voltage and connector must be specified separately (see chapter 4).

Elementi modulari modular elements



BL015

Blocco con valvola di ritegno pilotata
Manifold with pilot check valve

Simbolo
symbol

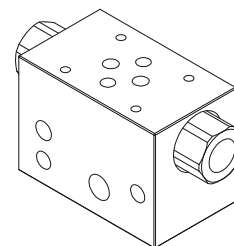
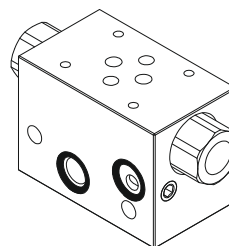
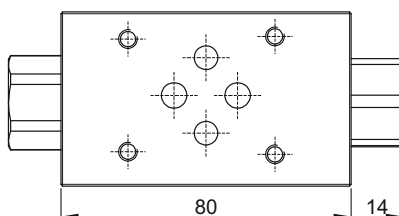
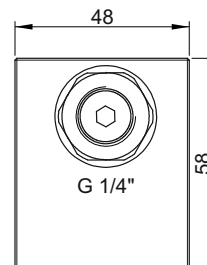
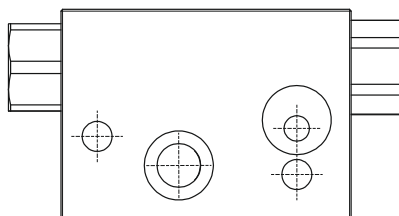
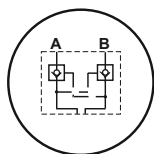
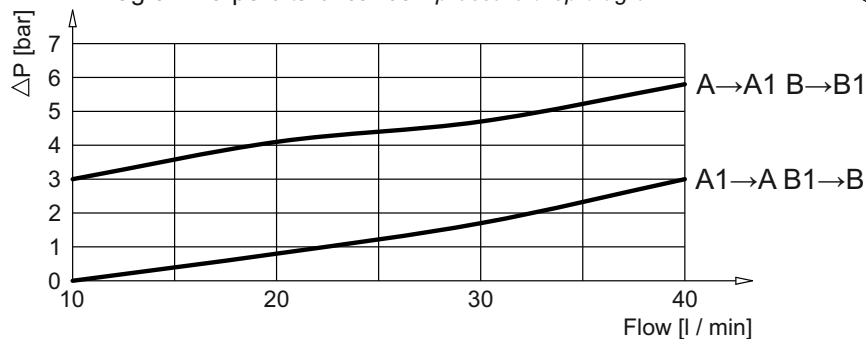
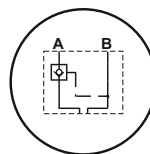


Diagramma perdita di carico - pressure drop diagram



BL016

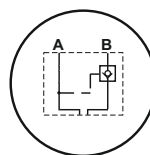
Blocco con valvola di ritegno pilotata su A
Manifold with pilot check valve on A



Simbolo
symbol

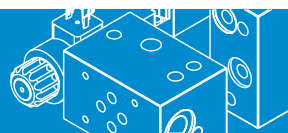
BL017

Blocco con valvola di ritegno pilotata su B
Manifold with pilot check valve on B



Simbolo
symbol

Elementi modulari modular elements

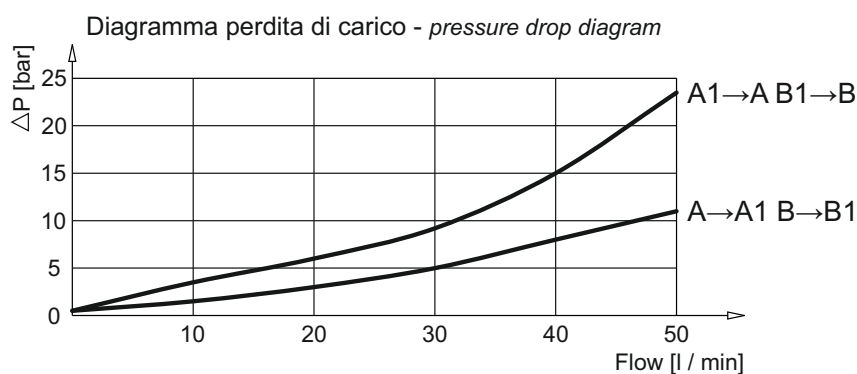
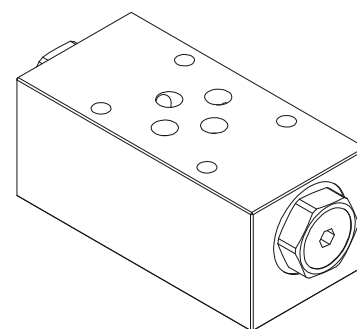
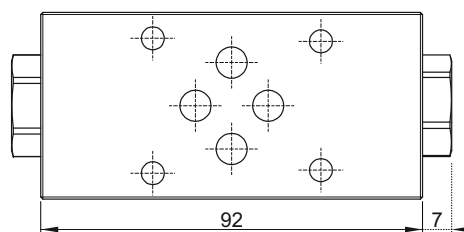
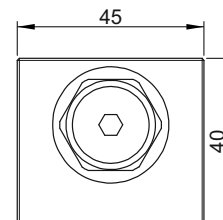
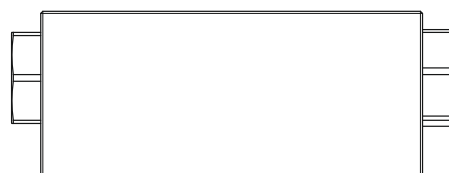
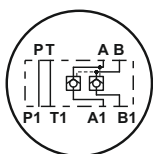


07

BL018

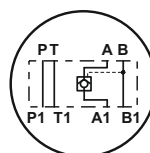
Valvola di blocco modulare
Pilot operated check valve

Simbolo
symbol



BL019

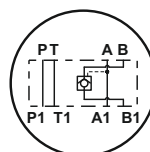
Valvola di blocco modulare bocca A
Pilot operated check valve seal on line A



Simbolo
symbol

BL020

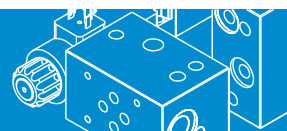
Valvola di blocco modulare bocca B
Pilot operated check valve seal on line B



Simbolo
symbol



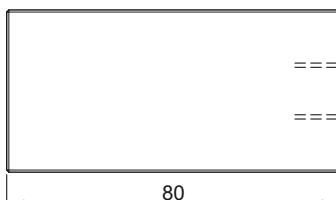
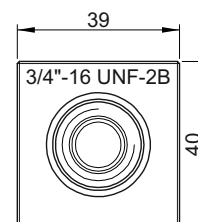
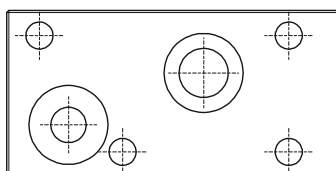
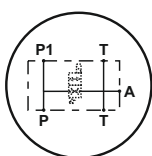
Elementi modulari modular elements



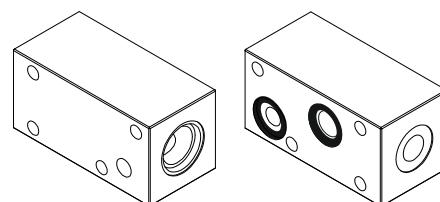
BL021

Blocco per valvole MSV e MDV
Manifold for MSV and MDV valves

Simbolo
symbol



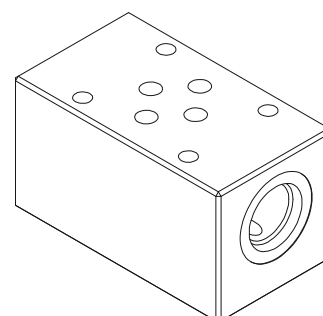
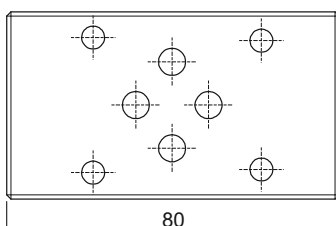
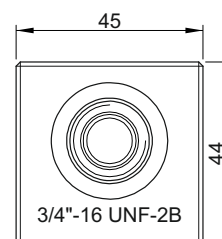
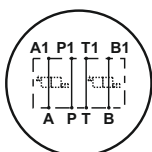
G 1/4"



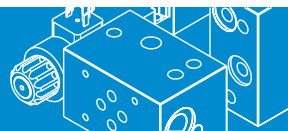
BL022

Blocco modulare per valvole MSV e MDV
Modular manifold for MSV and MDV valves

Simbolo
symbol



Elementi modulari modular elements



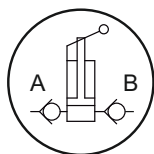
07

BL023

BL023-1

Blocco pompa manuale
Hand pump modular manifold

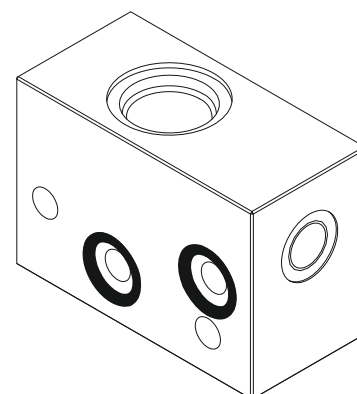
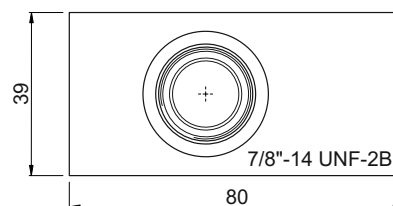
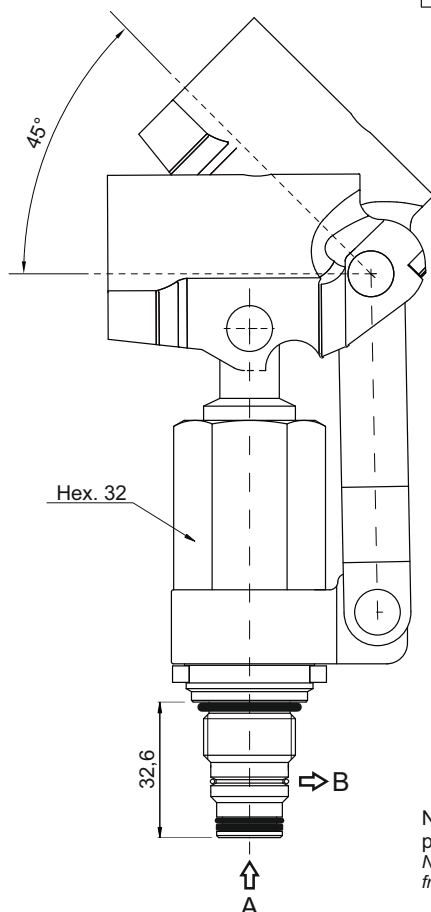
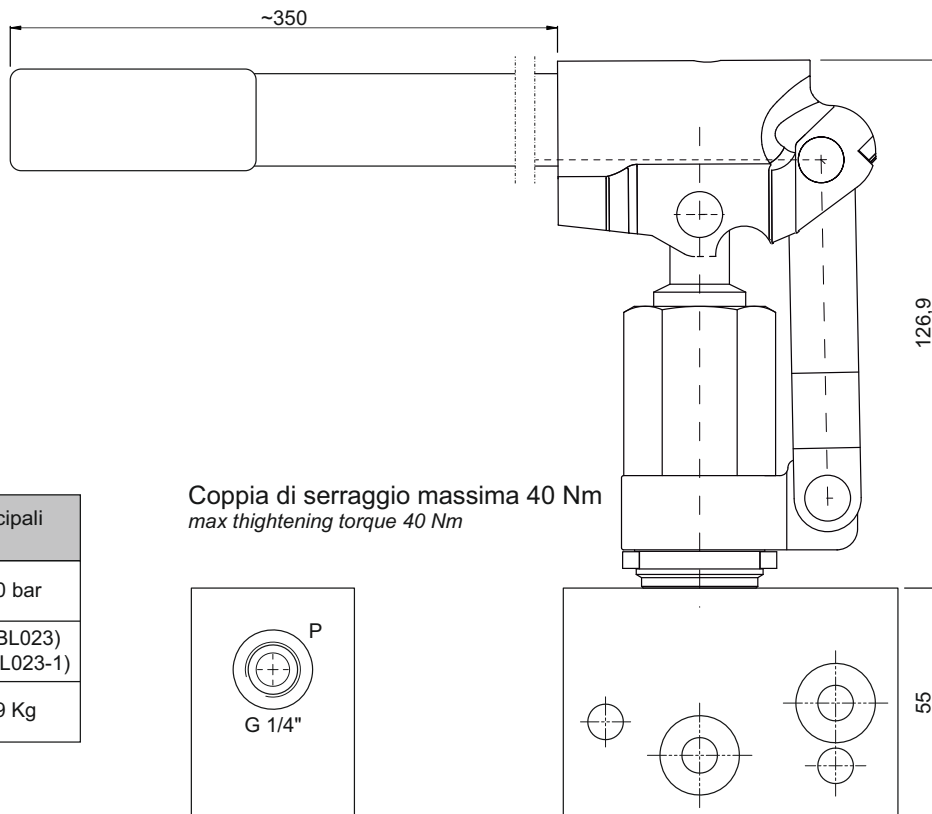
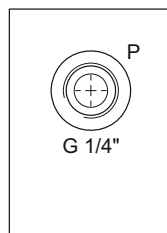
Simbolo
symbol



Caratteristiche principali
main features

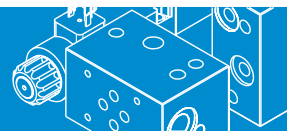
Pressione max max pressure	210 bar
cc/corsa cc/stroke	8,8 (BL023) 4,0 (BL023-1)
Peso weight	1,9 Kg

Coppia di serraggio massima 40 Nm
max tightening torque 40 Nm



NB: Per facilitare l'aspirazione della pompa, lasciare libero il percorso P
Note: to make suction easier, leave P path free

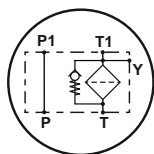




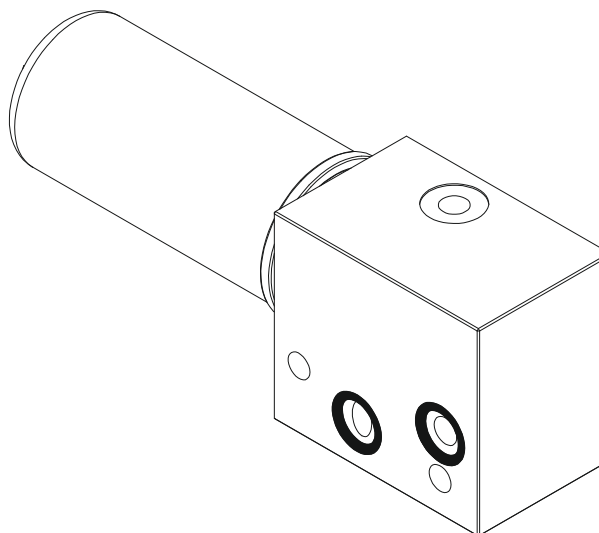
BL025-1-15

Blocco filtro di ritorno
Return filter manifold

Simbolo
symbol

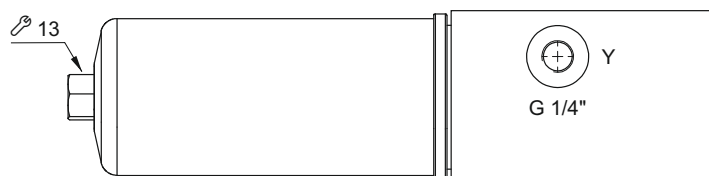
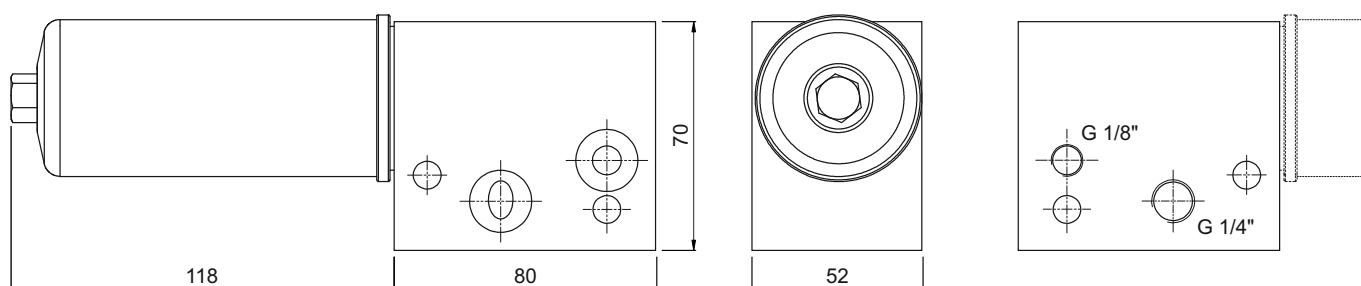


Caratteristiche principali main features	
Pressione esercizio working pressure	10 bar
portata max max flow	16 l/min
Filtrazione filtration	15 µm



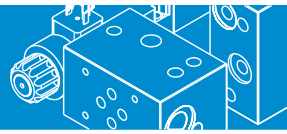
Valvola by-pass: apertura 1 bar
By-pass valve: opening 1 bar

Portata rilevata con olio avente viscosità cinematica 30 cst, densità 0,86 kg/dm³ e Δp=0,03 bar
Flow rate measured with oil of 30 cst kinematic viscosity, 0,86 kg/dm³ density and Δp=0,03 bar



Elemento filtrante: carta
Filter element: paper

Elementi modulari modular elements



07

BL035

Regolatore di flusso A+B in scarico
Flow regulator valve control in lines A and B

Simbolo
symbol

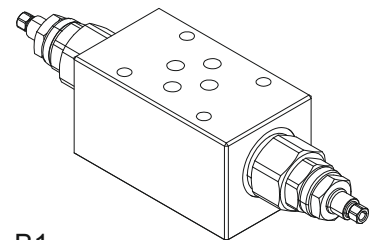
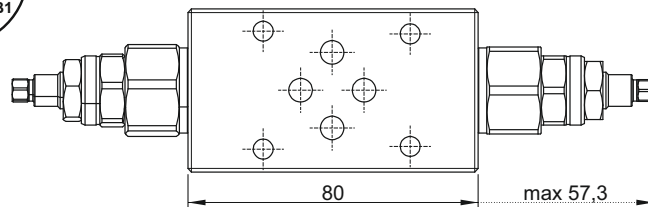
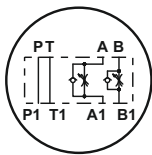
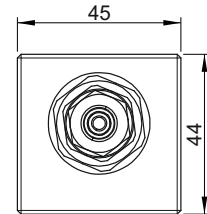
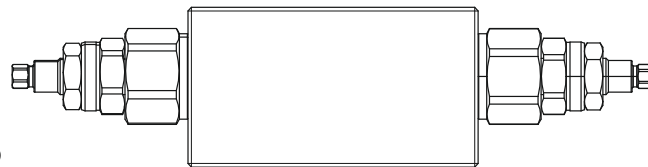
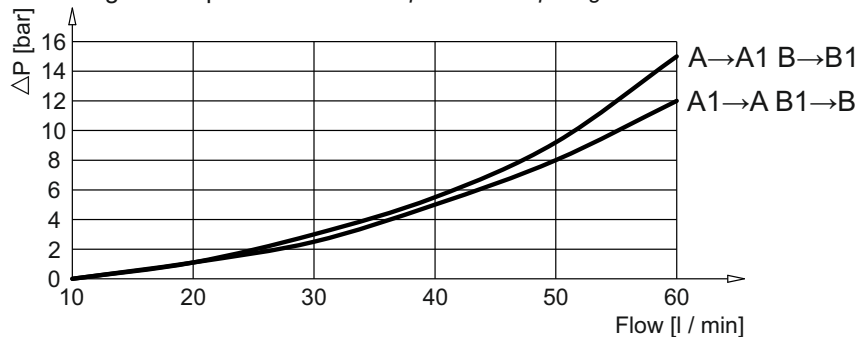
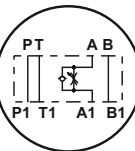


Diagramma perdita di carico - pressure drop diagram



BL036

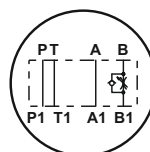
Regolatore di flusso scarico su A
Flow regulator valve control in line A



Simbolo
symbol

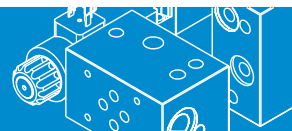
BL037

Regolatore di flusso scarico su B
Flow regulator valve control in line B



Simbolo
symbol

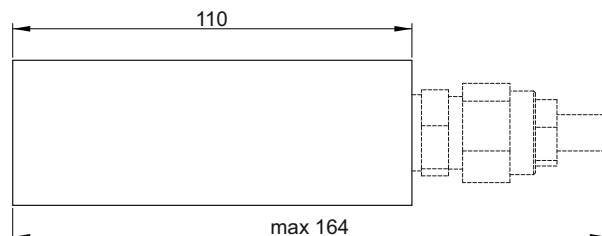
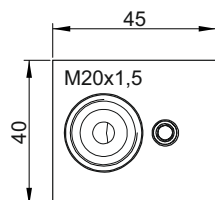
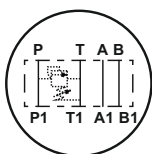
Elementi modulari modular elements



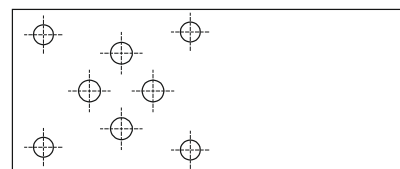
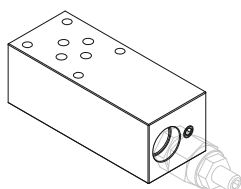
BL050

Blocco limitatrice di pressione P in T cavità M20x1,5
Manifold for pressure control valves P in T cavity M20x1,5

Simbolo
symbol



Ingombro valvola VMDC35
Valve size VMDC35

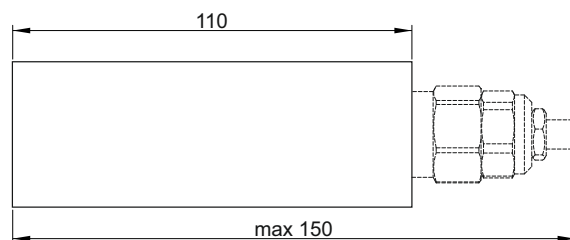
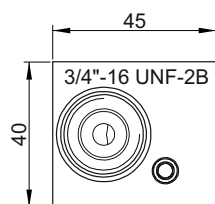
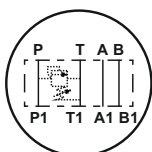


Regolazione semplice ad azione diretta sulla via P con scarico in T
Single adjustment direct operated on line P with discharge in T

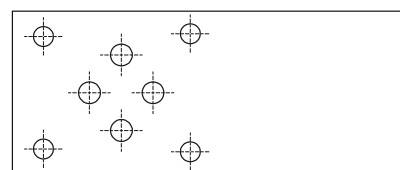
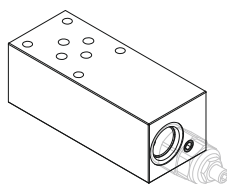
BL055

Blocco limitatrice di pressione P in T cavità S08-2
Manifold for pressure control valves P in T cavity S08-2

Simbolo
symbol

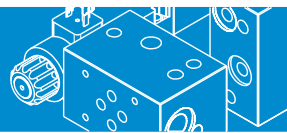


Ingombro valvola VMDC30
Valve size VMDC30



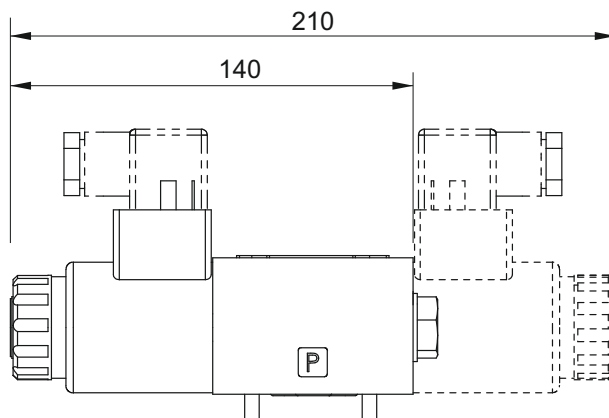
Regolazione semplice ad azione diretta sulla via P con scarico in T
Single adjustment direct operated on line P with discharge in T

Elementi modulari modular elements



07

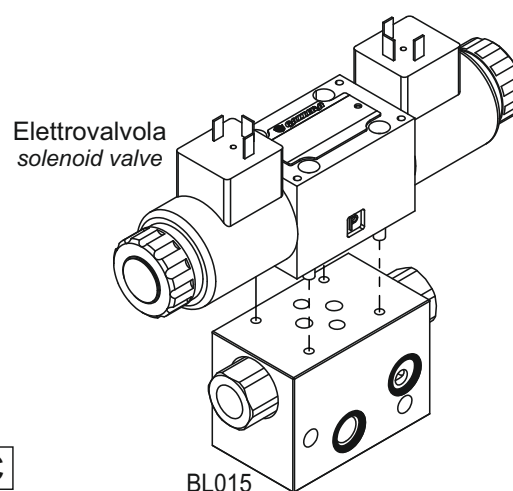
Elettrovalvole - solenoid valves



Schema idraulico - hydraulic scheme

Code	Schema scheme	Code	Schema scheme
DM01		DD01	
DM02		DD02	
DM03		DD03	
DM04		DD04	
		DD05	

Tensioni standard per elettrovalvole: 12DC, 24DC, 48DC, 110/50AC, 230/50AC.
Altre tensioni su richiesta.
Per i connettori consultare il capitolo 4
Standard voltages for solenoid valves: 12DC, 24DC, 48DC, 110/50AC, 230/50AC.
Others voltages on request.
For connectors see chapter 4



Codice ordinazione - ordering code

D	M	0	1	0	0	2	4	D	C
1		2		3					

1 Tipo di valvola - valve type

DM = Elettrovalvola singola - single solenoid valve
DD = Elettrovalvola doppia - double solenoid valve

2 Schema idraulico - hydraulic scheme

Vedi tabella sopra - see table above

3 Tensione bobina - coil voltage

0012DC, 0024DC, 0048DC = corrente continua - DC current
0110AC, 0230AC = corrente alternata - AC current

