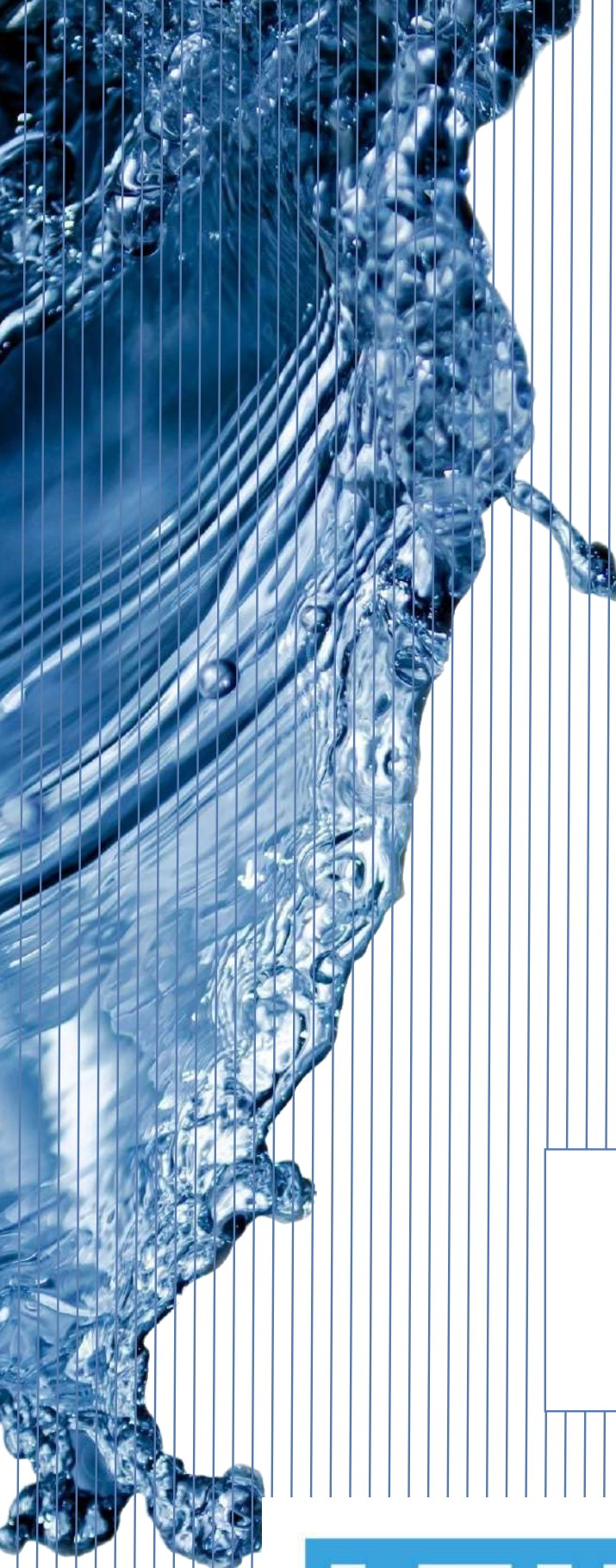




Distributori oleodinamici DB3C/DB3

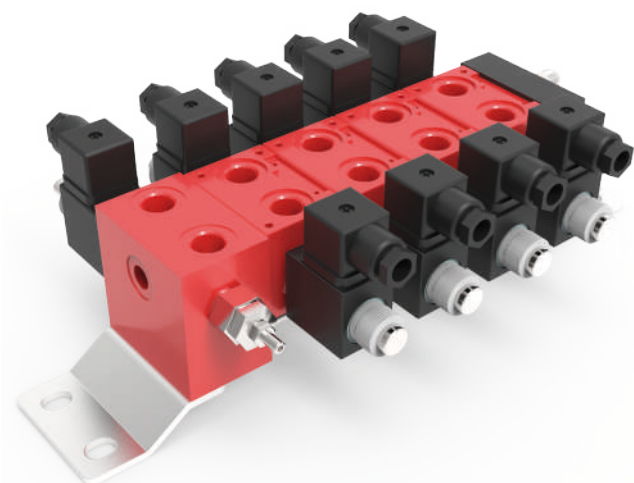


 HYDRAULIC
COMPONENTS
& FLUID CONTAMINATION
CONTROL

DISTRIBUTORE COMPONIBILE ELETTRICO

ELECTRIC SECTIONAL CONTROL VALVES

DB3C/DB3



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

Valvole componibili PROPORZIONALI per controllo direzione
Bankable PROPORTIONAL directional control valve

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

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

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

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

Disponibile per circuiti Load Sensing
Available for Load sensing circuits

Trattamento antiruggine sugli elementi
Rust-preventive treatment on the elements

CONDIZIONI DI LAVORO

WORKING CONDITIONS

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

I dati nel presente catalogo non sono impegnativi e possono essere variati senza obbligo di preavviso
 Any specification in this catalogue is not binding and can be modified without any notice

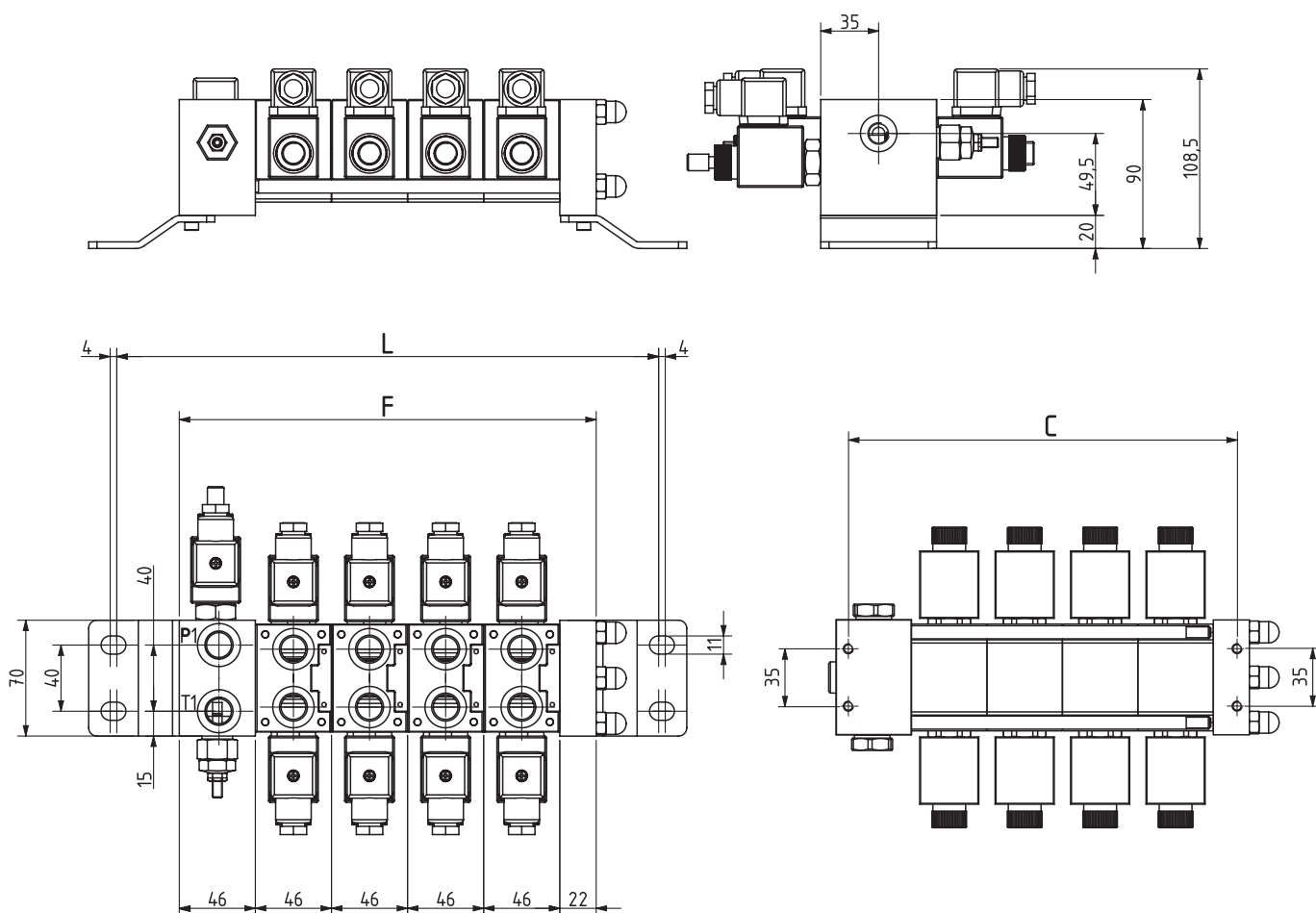
DISTRIBUTORE componibile elettrico

ELECTRIC SECTIONAL CONTROL VALVES

DB3C/DB3

DIMENSIONI DI INGOMBRO E MONTAGGIO STAFFE

OVERALL DIMENSIONS AND MOUNTING BRACKETS



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

FILETTATURE STANDARD / STANDARD THREADS

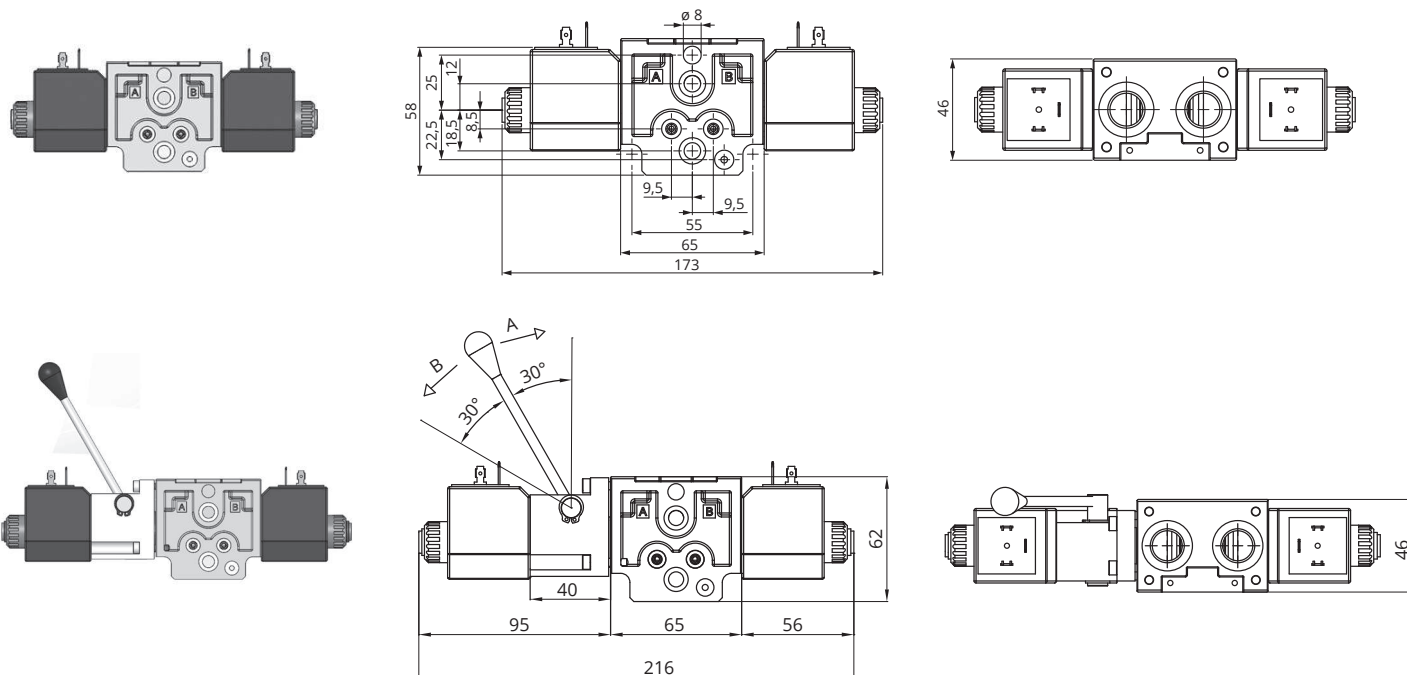
	DB3C	DB3
P	G3/8"; SAE6	G1/2"; SAE8
A	G3/8"; SAE6	G3/8"; SAE6
B	G3/8"; SAE6	G3/8"; SAE6
T	G3/8"; SAE6	G1/2"; SAE8

DISTRIBUTORE componibile elettrico

ELECTRIC SECTIONAL CONTROL VALVES

DB3C/DB3

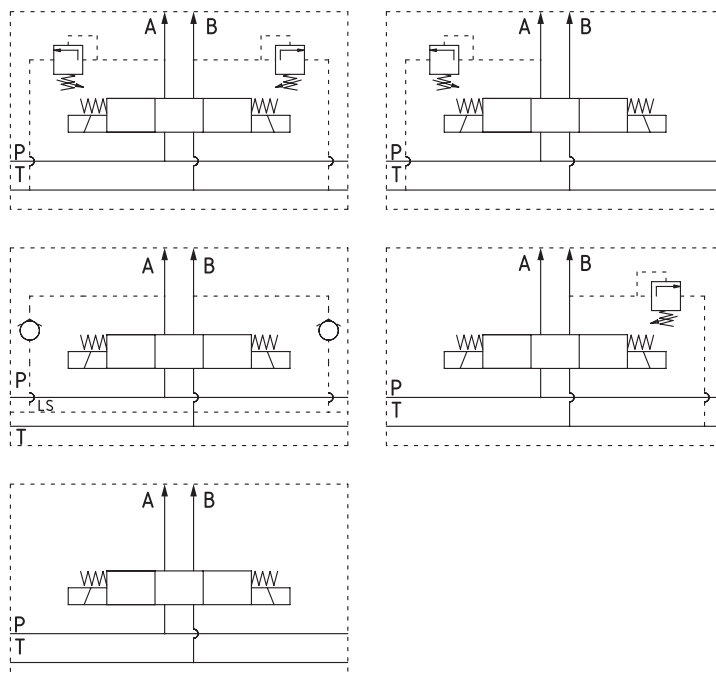
PERFORMANCE



DB3C-DB3

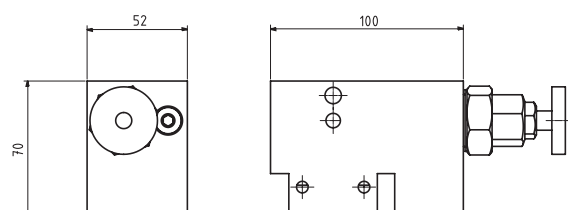
Configurazione elemento con o senza valvole di massima secondarie, con o senza connessione LS

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



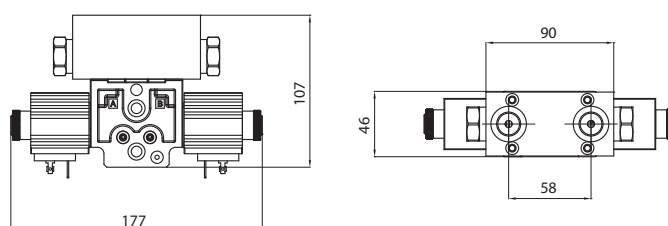
ELEMENTO INTERMEDIO CON VALVOLA REGOLATRICE DI PORTATA (VRP)

INTERMEDIATE ELEMENT WITH FLOW RATE REGULATOR VALVE (VRP)



COMPLESSIVO VALVOLA DI BLOCCO CON BOBINE

CHECK VALVE WITH COILS SET



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

1

2

3

4

5

6

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

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

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

FI02: tipo fiancata di ingresso/inlet element type (Pag. G-6)

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

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

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

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

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

01: tipo cursore/spool type (Pag. G-9)

3 **B0: tipo montaggio/assembly type (Pag. G-9)**

12V: tensione bobina/coil voltage (Pag. G-11)

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

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

02: tipo cursore/spool type (Pag. G-9)

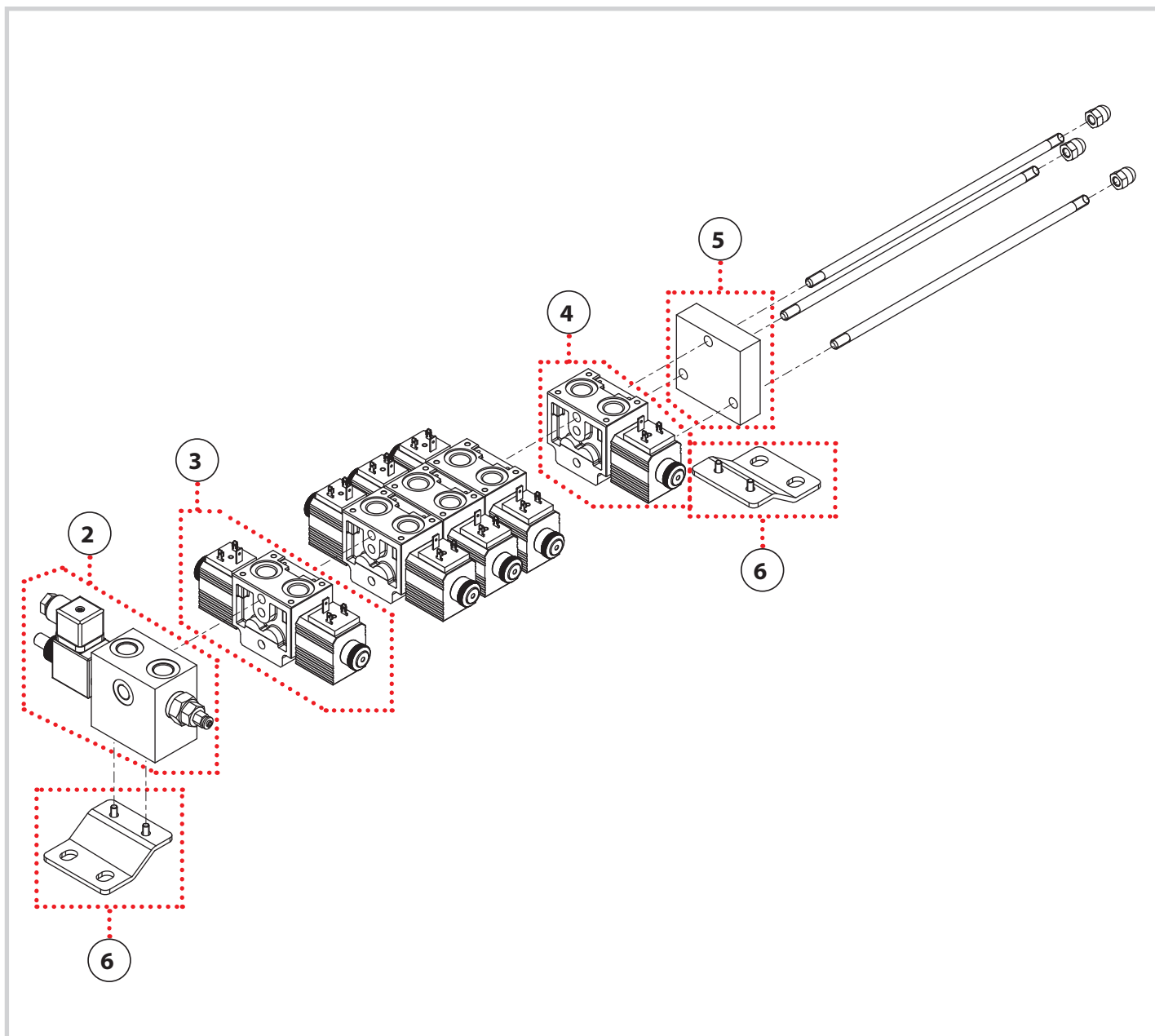
4 **B1: tipo montaggio/assembly type (Pag. G-9)**

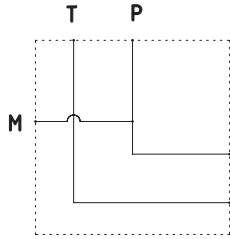
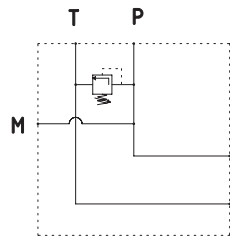
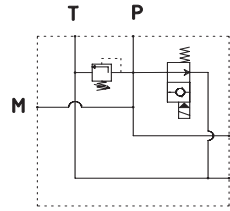
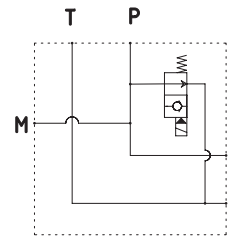
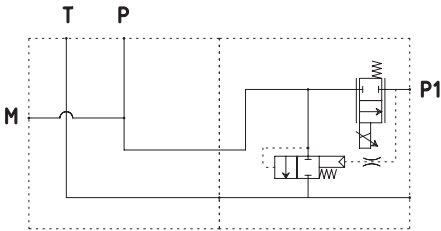
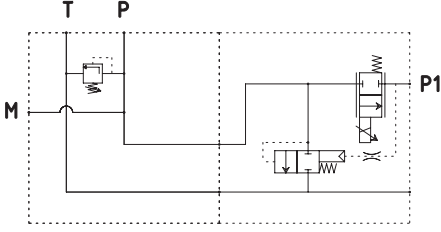
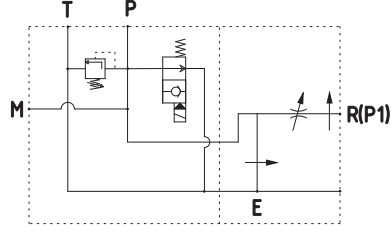
12V: tensione bobina/coil voltage (Pag. G-11)

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

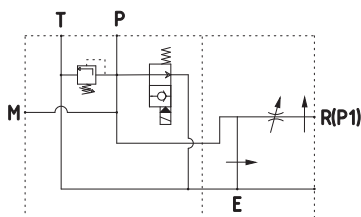
5 **FC: fiancata di chiusura (FC=std parallelo; FC1=serie DB3C; FC2=serie DB3)/closure element (FC=std parallel; FC1=in series DB3C; FC2=in series DB3)**

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



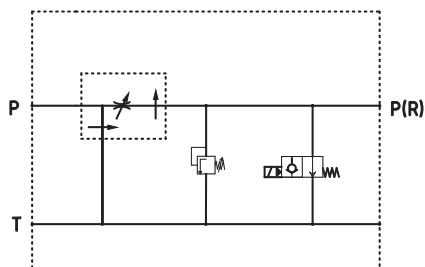
FI00		fiancata di ingresso senza valvole <i>inlet element without valves</i>
FI01		fiancata di ingresso con valvola di massima pressione generale con taratura regolabile <i>inlet element with general pressure relief valve with adjustable calibration</i>
FI02		fiancata di ingresso con valvola di massima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

FI07



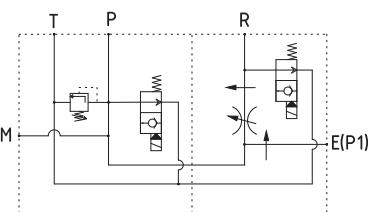
fiancata di ingresso con valvola di massima pressione generale, valvola di messa a scarico e regolatore 3 vie
(50 lt; Regolato => servizi; Eccedenza => scarico)
inlet element with general pressure relief valve, unloading valve and 3-way regulator
(50 l; Regulated => elements; Excess => draining)

FI07B



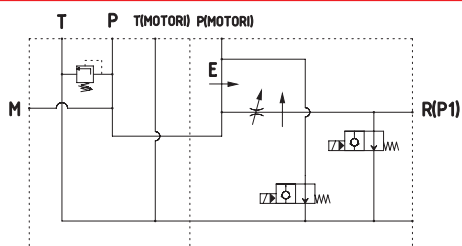
fiancata di ingresso con valvola di massima pressione generale, valvola di messa a scarico e regolatore 3 vie compensato
(90 lt; Regolato => servizi; Eccedenza => scarico)
inlet element with general pressure relief valve, unloading valve and compensated 3-way regulator
(90 l; Regulated => elements; Excess => draining)

FI08



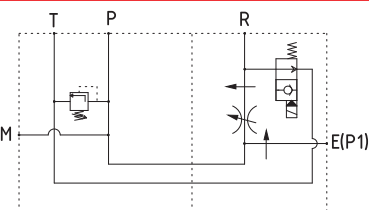
fiancata di ingresso con valvola di massima pressione generale, due valvole di messa a scarico e regolatore 3 vie
(30 lt; Regolato => motori; Eccedenza => servizi)
Solo con circuito in serie.
inlet element with general pressure relief valve, two unloading valves and 3-way regulator
(30 l; Regulated =>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

FI08A



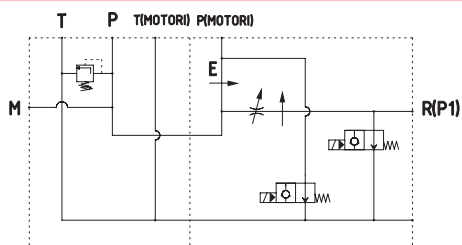
fiancata di ingresso con valvola di massima pressione generale, due valvole di messa a scarico e regolatore 3 vie
(30 lt; Regolato => servizi; Eccedenza => motori)
inlet element with general pressure relief valve, two unloading valves and 3-way regulator
(30 l; Regulated => elements; Excess => motors)

FI08C



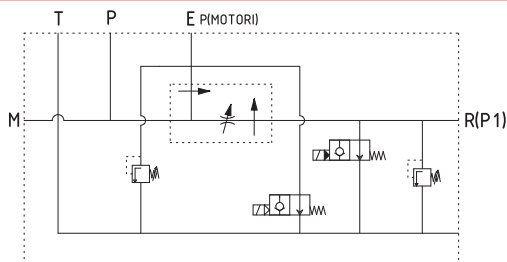
fiancata di ingresso con valvola di massima pressione generale, valvola di messa a scarico e regolatore 3 vie
(30 lt; Regolato => motori; Eccedenza => servizi)
Solo con circuito in serie
inlet element with general pressure relief valve, unloading valve and 3-way regulator
(30 l; Regulated => motors; Excess => elements)
Only with circuit in series

FI09



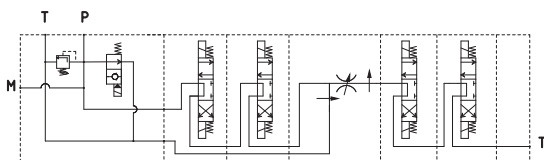
fiancata di ingresso con valvola di massima pressione generale, due valvole di messa a scarico e regolatore 3 vie
(50 lt; Regolato => servizi; Eccedenza => motori)
inlet element with general pressure relief valve, two unloading valves and 3-way regulator
(50 l; Regulated => elements; Excess => motors)

FI10D



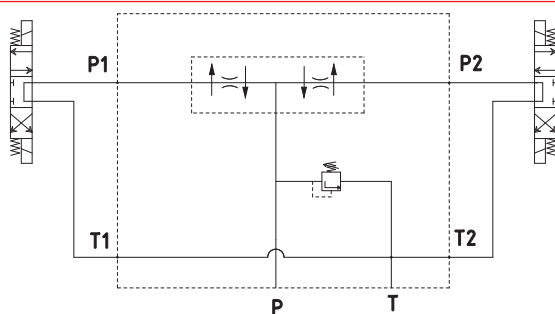
fiancata di ingresso con due valvole di massima pressione, due valvole di messa a scarico e regolatore 3 vie compensato
(Regolato => servizi; Eccedenza => motori)
inlet element with two pressure relief valves, two unloading valves and 3-way compensated regulator
(Regulated => elements; Excess => motors)

FI11



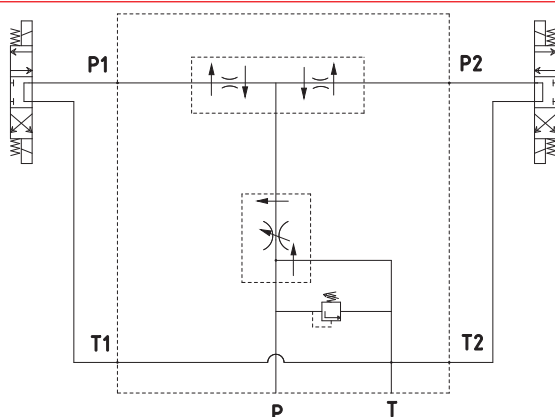
fiancata di ingresso con valvola di massima pressione generale, valvola di messa a scarico; fori per scarico eccedenza. Solo con circuito in serie e abbinato a elemento VRP (valvola regolatrice di portata)
inlet element with general pressure relief valve, unloading valve; holes for excess drainage. Only with circuit in series and coupled to VRP (flow rate regulator valve) element

FI12



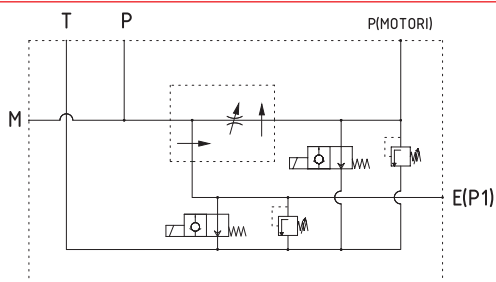
fiancata di ingresso con divisore di portata e valvola di massima pressione generale. Solo con circuito in serie (40 litri)
inlet element with flow rate regulator and general pressure relief valve. Only with circuit in series (40 litres)

FI13



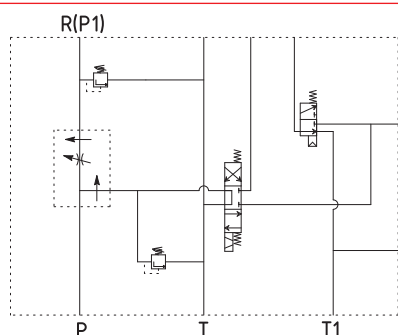
fiancata di ingresso con VRF 60 litri (valvola regolatrice di flusso) sulla linea P, divisore di portata e valvola di massima pressione generale. Solo con circuito in serie
inlet element with 60-litre VRF (flow rate regulator valve) on the P line, flow rate regulator and general pressure relief valve.
Only with circuit in series

FI14



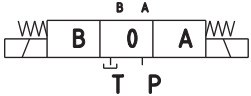
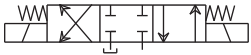
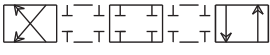
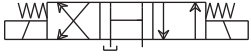
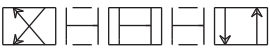
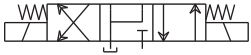
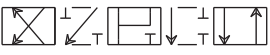
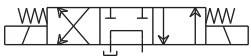
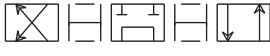
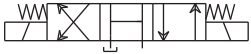
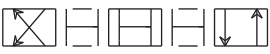
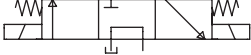
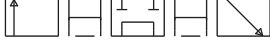
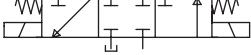
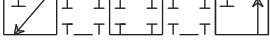
fiancata di ingresso con due valvole di massima pressione, due valvole di messa a scarico e regolatore 3 vie compensato.
inlet element with two pressure relief valves, two unloading valves and 3-way compensated regulator.
(Regolato => motori; Eccedenza => servizi)
(Regulated => motors; Excess => elements)

FI15

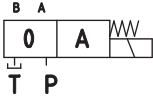
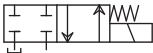
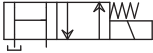
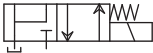
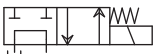
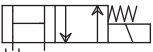


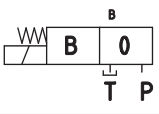
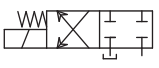
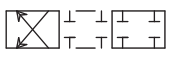
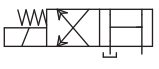
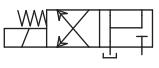
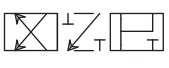
fiancata di ingresso con due valvole di massima pressione, una valvola elettrica 4 vie, una valvola elettrica 3 vie e regolatore 3 vie compensato. Solo con circuito in serie
(Regolato => servizi; Eccedenza => motori)
inlet element with two pressure relief valves, one 4-ways electric valve, one 3-ways electric valves and 3-way compensated regulator.
Only with circuit in series
(Regulated => elements; Excess => motors)

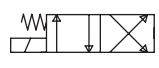
DUE SOLENOIDI RITORNO A MOLLA (B0)
Two solenoids, spring center

CODICE <i>Code</i>		RICOPRIMENTO <i>Covering</i>	POSIZIONE DI TRANSITO <i>Transient position</i>
01		+	
02		-	
03		+	
04		-	
04H		-	
06		-	
07		+	

UN SOLENOIDE LATO A (B1)
One solenoid, side A (B1)

CODICE <i>Code</i>		RICOPRIMENTO <i>Covering</i>	POSIZIONE DI TRANSITO <i>Transient position</i>
01		+	
02		-	
03		+	
04		-	
04H		-	

UN SOLENOIDE LATO B (B2) <i>One solenoid, side B (B2)</i>			
CODICE <i>Code</i>		RICOPRIMENTO <i>Covering</i>	POSIZIONE DI TRANSITO <i>Transient position</i>
01		+	
02		-	
03		+	
04		-	
04H		-	

05			
----	---	--	--

CURVE CURVES

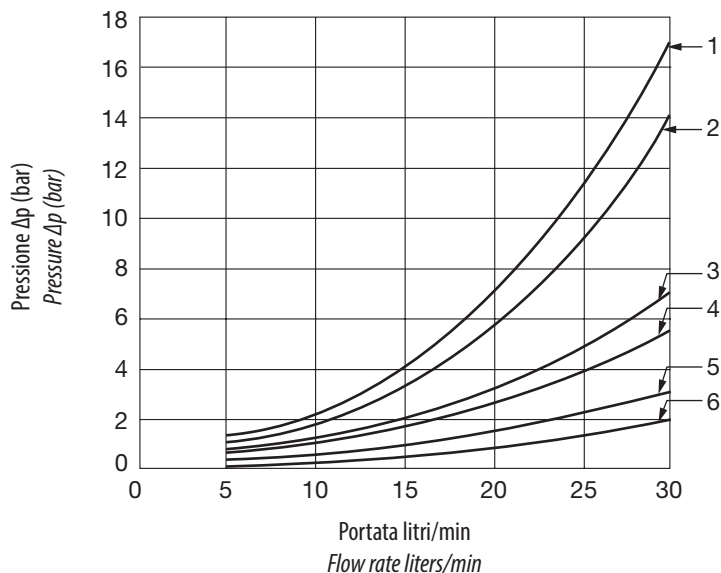
PERDITE DI CARICO HEAD LOSS

Il fluido impiegato è un olio minerale ISO-VG32 a 45°C+- 5°C.

Temperatura ambiente 20°C.

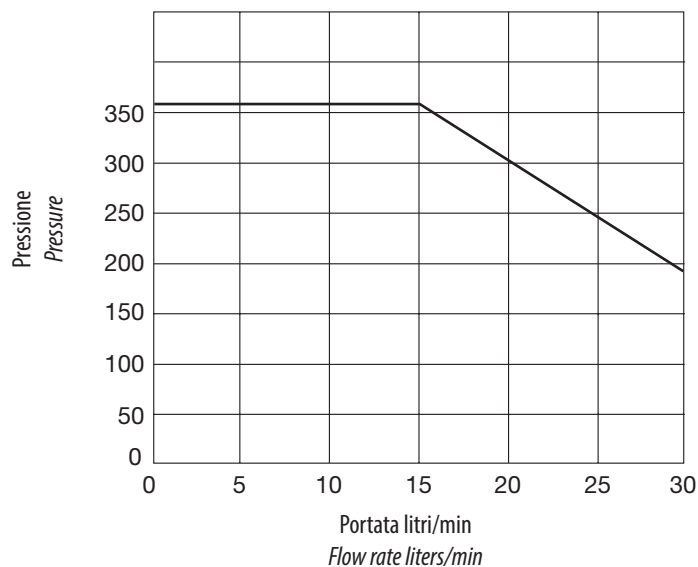
The employed fluid is a mineral oil ISO-VG32 at 45°C+- 5°C.

Ambient temperature 20°C.



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

LIMITI DI IMPIEGO LIMITATIONS TO USE



TIPO DI CURSORE SPOOL TYPE

Ø1; Ø2; Ø3; Ø4

Le curve di impiego sono testate con il flusso di olio che attraversa la valvola da P → A e da B → T

The employed curves are tested with the oil flow that crosses the valve from P → A and from B → T

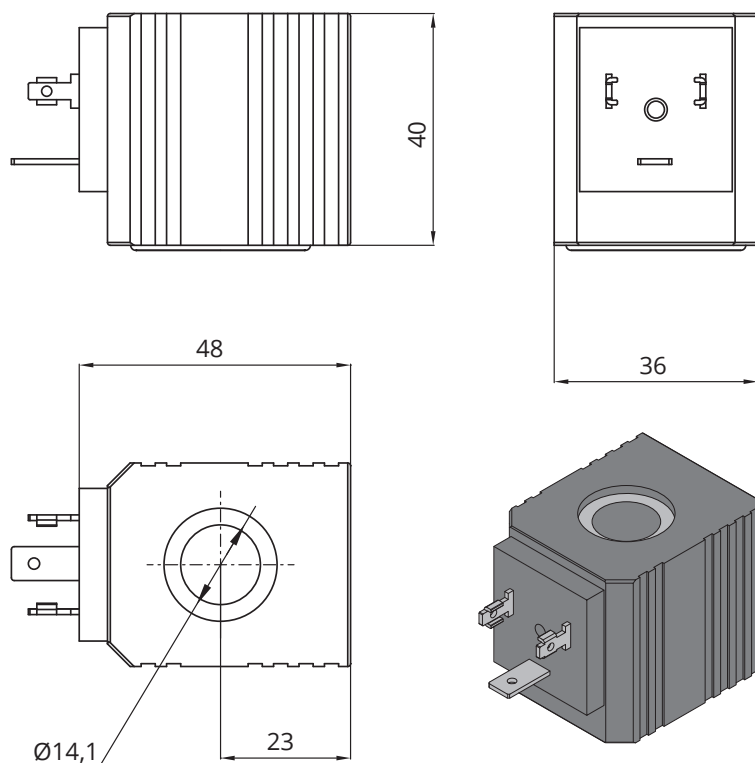
BOBINE COILS

Tipo voltaggio: corrente continua (DC); (Corrente alternata AC solo con connessione RAC)
Voltage type: direct current (DC); (Alternating Current AC only with RAC connection)

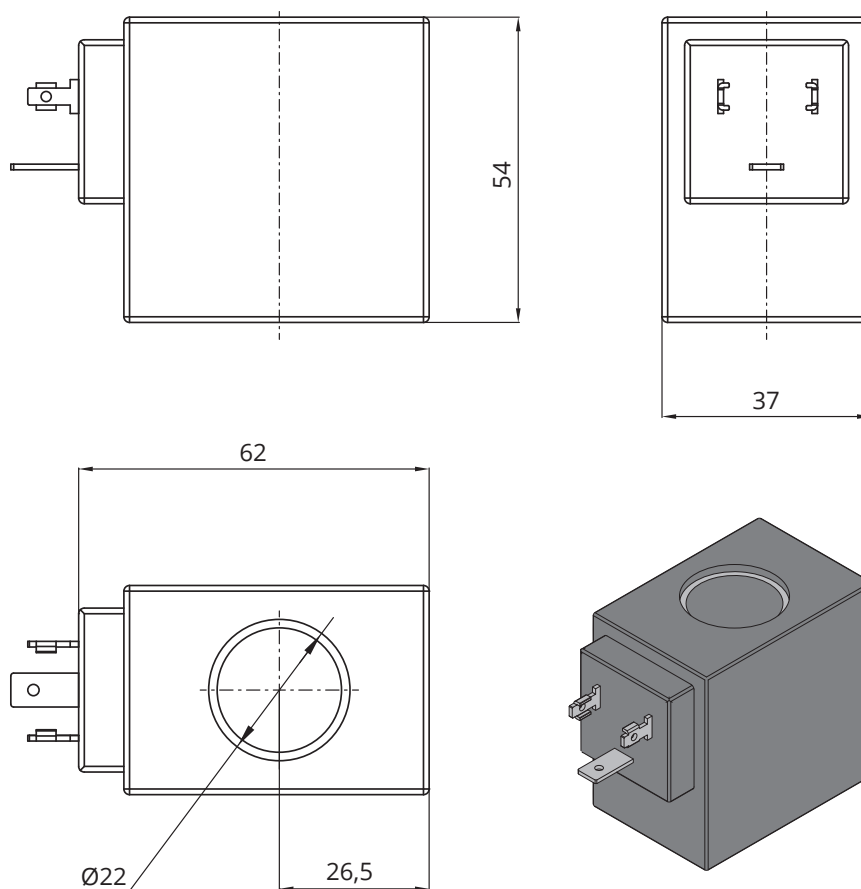
Caratteristiche/Characteristics

Tipo circuito/Circuit type	Volt (V)	Watt (W)	Ampere (A)
Parallelo/Parallel	12	26	2,15
	24	26	2
	48	26	1,8
	110+RAC	/	/
Serie con valvola di messa a scarico Series with unloading valve	12	26	2,15
	24	26	2
	48	26	1,85
	110+RAC	/	/
Serie senza valvola di messa a scarico Series without unloading valve	12	60	5
	24	60	5
	48	60	25
	110+RAC	/	/

Disegni bobina/Coil drawings DB3C

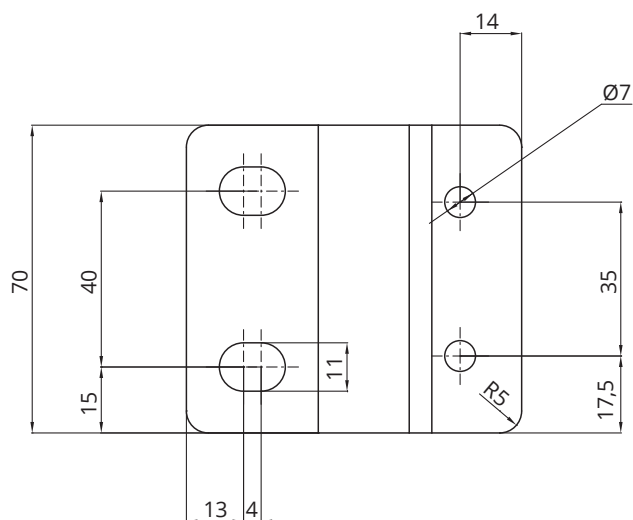
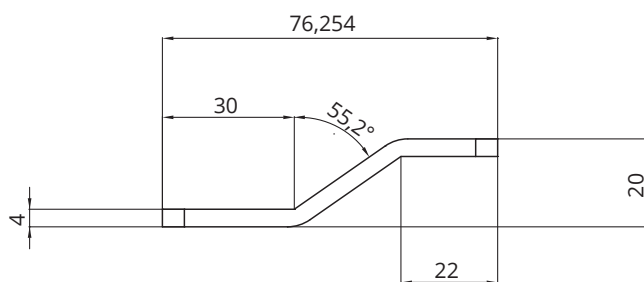
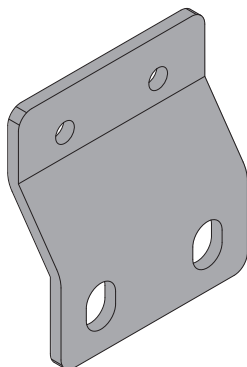


Disegni bobina/Coil drawings DB3C-DB3

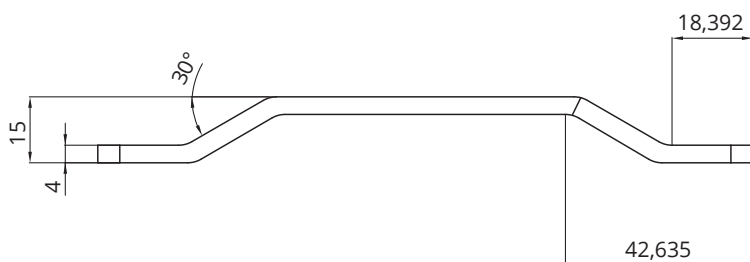
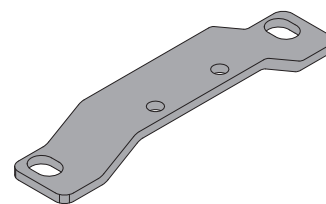
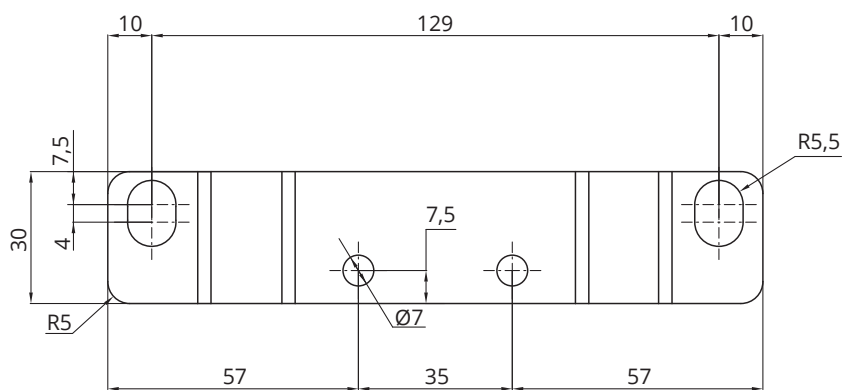


ACCESSORI
ACCESSORIES

Staffe di fissaggio/Attachment brackets STF1



Staffe di fissaggio/Attachment brackets STF2



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