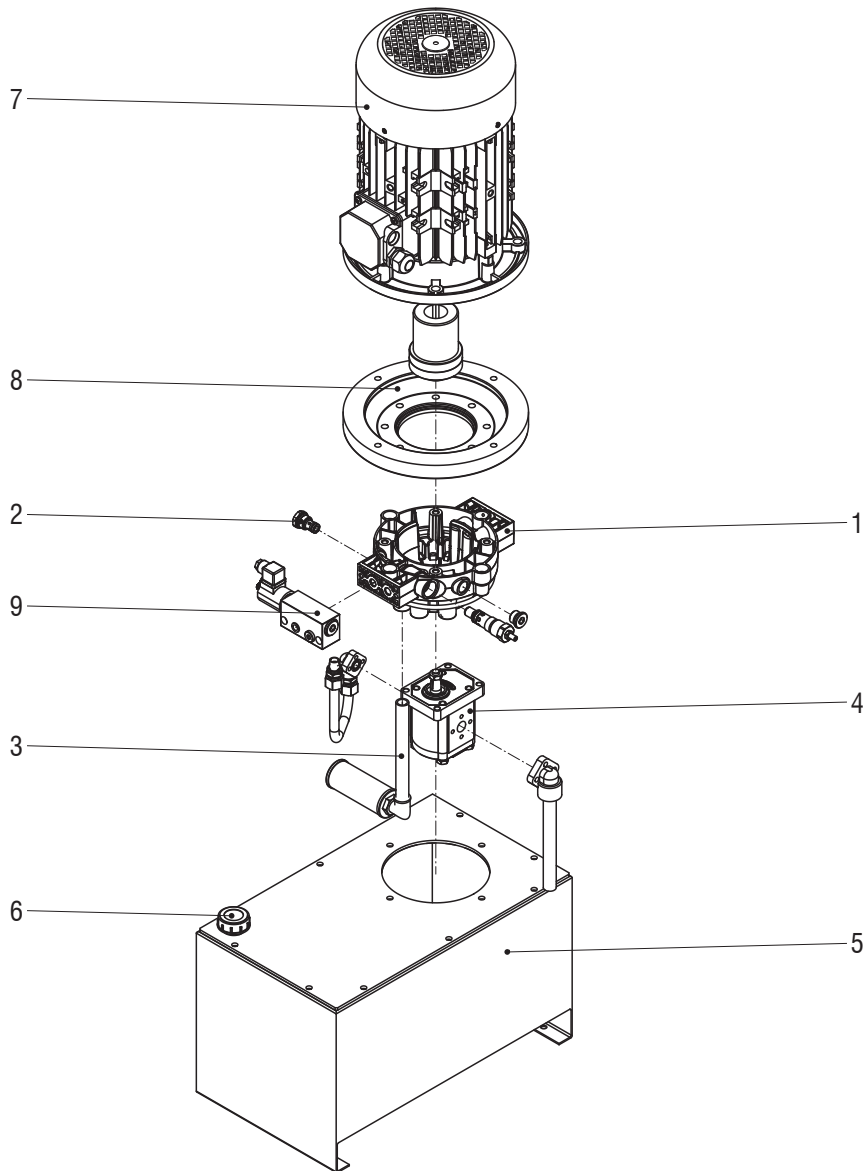


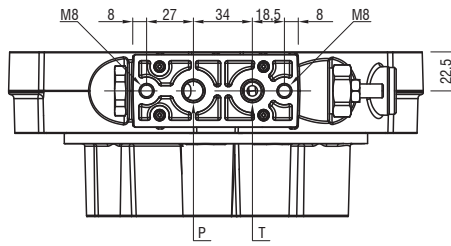
Position Posizione	1	2	3	4	5	6	7	8	9
PU20	___/	---	---	---	---	---	---	---	---
Description	Central manifold	Screw-in valves	Pipes kit	Pumps	Oil Tanks	Accessories	Electric motors	Junction elements	Modular elements, ports, solenoids
Descrizione	Collettore centrale	Valvole integrate	Kit tubi	Pompe	Serbatoi	Accessori	Motori elettrici	Elementi di connessione	Elementi modulari, attacchi, solenoidi



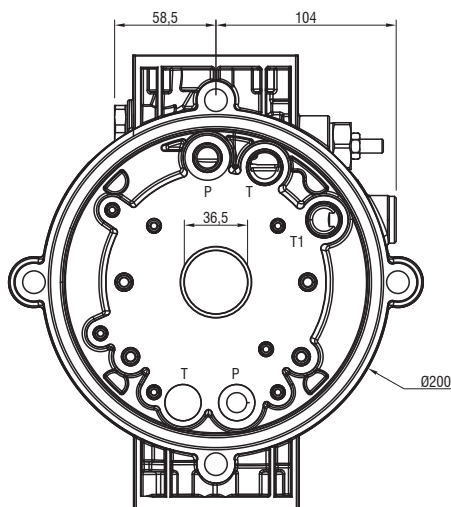
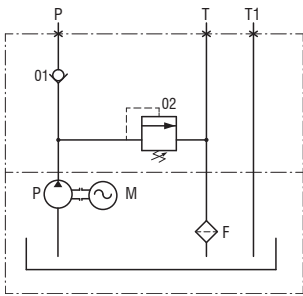
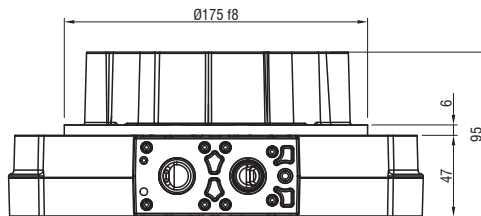
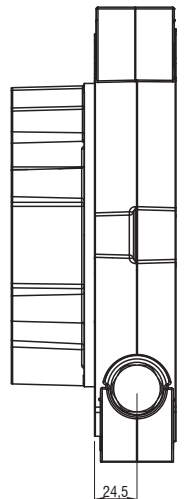
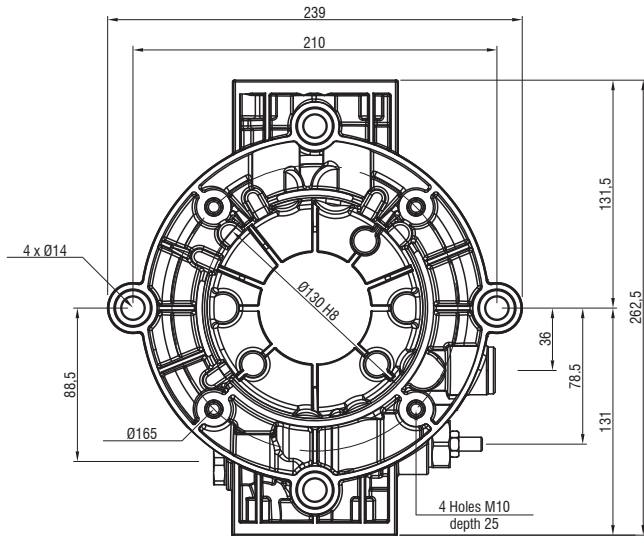
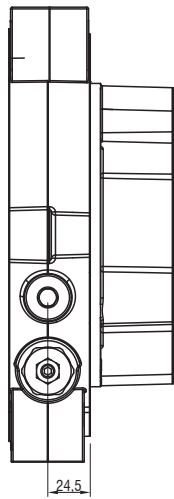
CODE EXAMPLE:
ESEMPIO DI CODICE:

Position Posizione	1	2	3	4	5	6	7	8	9
PU20	Z1A	Y__	---	P204	SZ23V	---	T258	FZ132	B37
Page Pagina	2	3	4 / 6 / 7	9	10	12	13	14	15

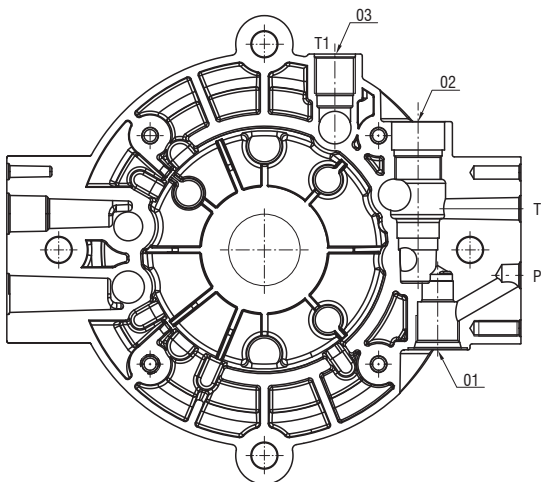
CODE	Z1A	
Relief valve Valvola di massima	W	5 - 40
	X	20 - 80
	Y	50 - 220
	Z	180 - 350
VMZ1		



P - T = Ø11,5



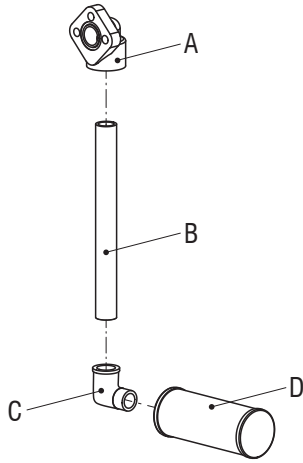
P = G 3/8"
T - T1 = G 1/2"



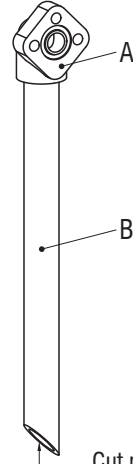
CODE	Description Descrizione	Symbol Schema	Drawing Disegno	Cavity Cavità	
VMZ1	Direct acting relief valve with guided poppet Valvola di massima diretta con spillo guidato			02	
	Maximum flow rate Portata massima				70 l/min
	VMZ1 - W				5 - 40 bar
	VMZ1 - X				20 - 80 bar
	VMZ1 - Y				50 - 220 bar
VMZ1 - Z	180 - 350 bar				
CA1	- Without sealing cap for VMZ1 relief valve Senza cappuccio antimanomissione VMZ1				
	1 With sealing cap for VMZ1 relief valve Con cappuccio antimanomissione VMZ1				
VU7	Cartridge check valve Valvola unidirezionale a cartuccia Q _{max} = 80 l/min P _{max} = 350 bar P _{cracking} = 1 bar			01	
VU9	Cartridge check valve Valvola di ritegno Q _{max} = 50 l/min P _{max} = 350 bar P _{cracking} = 0,5 bar			04	
TC11	1/2" plug with O-ring Tappo da 1/2" con O-ring			03	

Suction - Aspirazione

Example of suction configuration: With filter
Esempio di configurazione di aspirazione: Con filtro



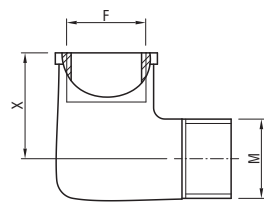
Example of suction configuration: Without filter
Esempio di configurazione di aspirazione: Senza filtro

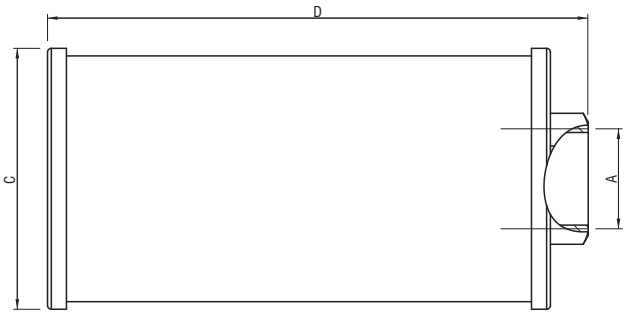


Cut pipe at 45° if fitted without filter
Tagliare il tubo a 45° se usato senza filtro

A		High pressure fitting, pump side Raccordo alta pressione lato pompa	
CODE	Description Descrizione	Drawing Disegno	
RP3D	Fitting 90° - x=30 - y=1/2" - z=27 Raccordo 90° - x=30 - y=1/2" - z=27		
RP4D	Fitting 90° - x=40 - y=1/2" - z=30 Raccordo 90° - x=40 - y=1/2" - z=30		
RP4E	Fitting 90° - x=40 - y=3/4" - z=36 Raccordo 90° - x=40 - y=3/4" - z=36		

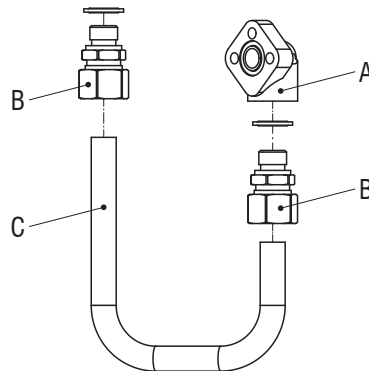
B				Steel pipe Tubo in metallo diritto	
CODE	X [mm]	Drawing Disegno	CODE	X [mm]	Drawing Disegno
DD200	200		EE200	200	
DD300	300		EE300	300	
DD400	400		EE400	400	
DD500	500		EE500	500	

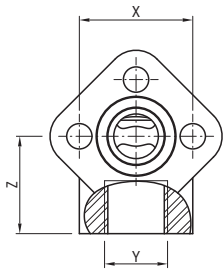
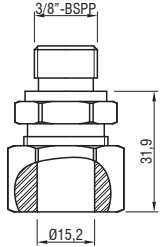
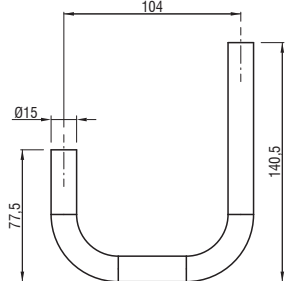
C				Low pressure fitting, filter side Raccordo bassa pressione, lato filtro
CODE	F	M	X	Drawing Disegno
RFDD	1/2"	1/2"	28	
RFEF	3/4"	3/4"	31	
RFEF	3/4"	1"	34	

D						Suction filter Filtro aspirazione
CODE	Flow Portata [l/min]	A [mm]	C [mm]	D [mm]	Filtering power Grado filtrazione [μm]	Drawing Disegno
FM50	17	1/2"	69	93	90	
FM51	25	3/4"	69	93	90	
FM52	35	3/4"	69	143	90	
FM53	45	1"	69	143	90	

Pressure line - Mandata

Example of pressure line configuration
Esempio di configurazione di mandata

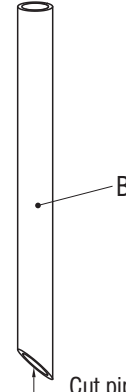
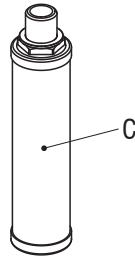
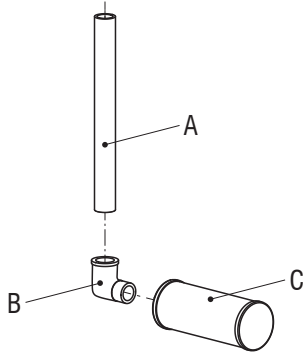


		High pressure fitting, pump side Raccordo alta pressione lato pompa	
A			
CODE	Description Descrizione	Drawing Disegno	
RP3C	Fitting 90° - x=30 - y=3/8" - z=25,75 Raccordo 90° - x=30 - y=3/8" - z=25,75		
RP4C	Fitting 90° - X=40 - y=3/8" - z=36 Raccordo 90° - x=40 - y=3/8" - z=36		
		High pressure fitting Raccordo alta pressione	
B			
CODE	Description Descrizione	Drawing Disegno	
RTC1	Fitting 3/8" - Ø15 Raccordo 3/8" - Ø15		
		Pressure pipe Tubo mandata	
C			
CODE	Description Descrizione	Drawing Disegno	
TU01	Pipe Ø15 - U 140-104-77 Tubo Ø15 - U 140-104-77		

Return line - Scarico

Example of return line configuration: With filter
Esempio di configurazione di scarico: Con filtro

Example of return line configuration: Without filter
Esempio di configurazione di scarico: Senza filtro

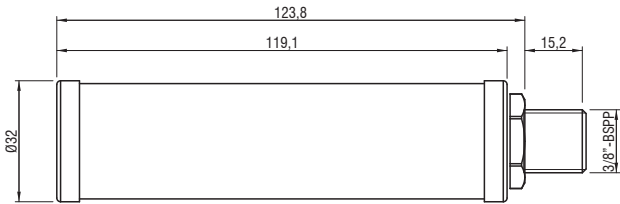
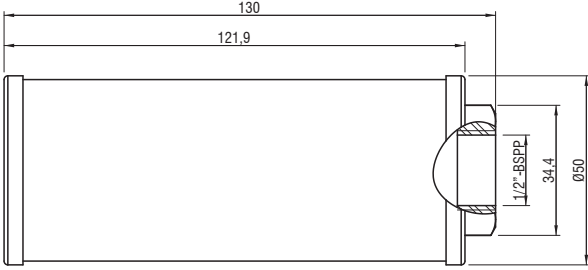


Cut pipe at 45° if fitted without filter
Tagliare il tubo a 45° se usato senza filtro

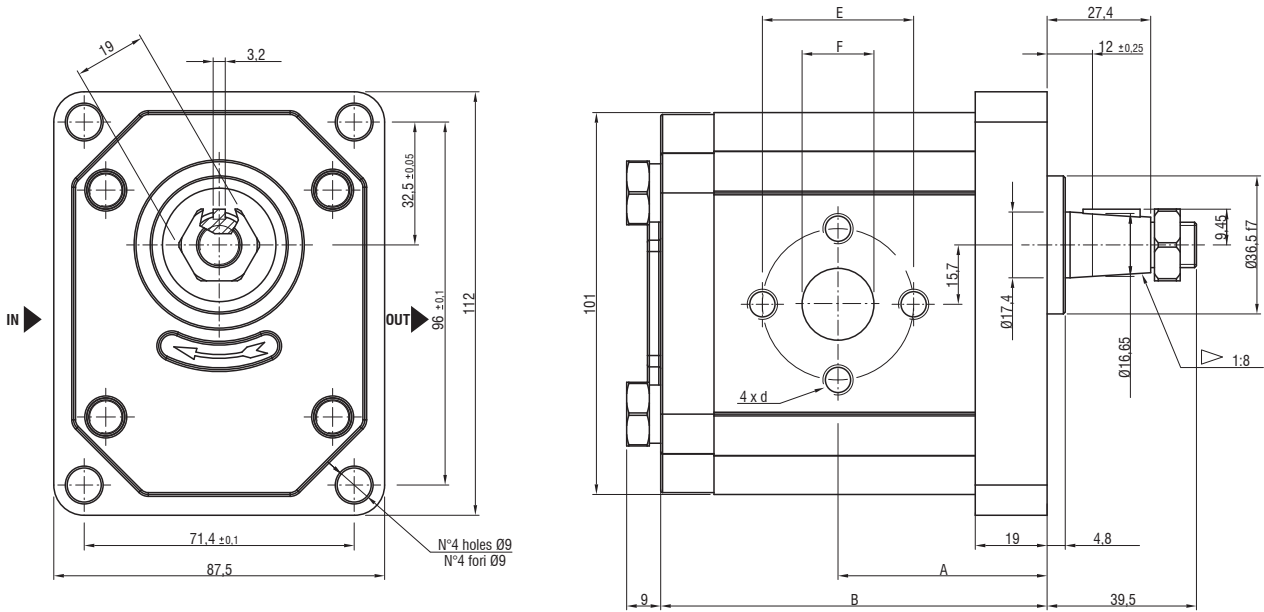
A				Steel pipe Tubo in metallo dritto			
CODE	X [mm]	Drawing Disegno		CODE	X [mm]	Drawing Disegno	
DD200	200			EE200	200		
DD300	300			EE300	300		
DD400	400			EE400	400		
DD500	500			EE500	500		

B				Low pressure fitting, filter side Raccordo bassa pressione, lato filtro	
CODE	F	M	X	Drawing Disegno	
RFDD	1/2"	1/2"	28		
RFEE	3/4"	3/4"	31		
RFEF	3/4"	1"	34		

Return line filter
 Filtro in scarico

CODE	Flow Portata [l/min]	Filtering power Grado filtrazione [μ m]	Drawing Disegno
FM70	30	90	 <p>Technical drawing of the FM70 return line filter. The drawing shows a cylindrical filter with a 3/8" BSPP fitting on the right side. Dimensions are: total length 123.8, length to the start of the fitting 119.1, fitting length 15.2, and outer diameter 32.</p>
FM71	35	90	 <p>Technical drawing of the FM71 return line filter. The drawing shows a cylindrical filter with a 1/2" BSPP fitting on the right side. Dimensions are: total length 130, length to the start of the fitting 121.9, fitting length 34.4, and outer diameter 50.</p>

Pump group 2 (clockwise rotation)
Pompa gruppo 2 (rotazione oraria)



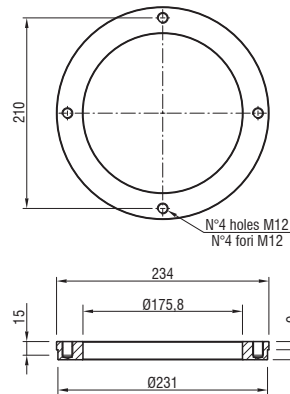
CODE	Displacement Cilindrata [cm ³ /rev]	Flow [l/min] Portata [l/min]		Pressure Pressione max [bar]	Max speed Velocità max [rpm]	A [mm]	B [mm]	Inlet Ingresso			Outlet Uscita		
		1500 [rpm]	max					E	F	d	E	F	d
P201	4,5	6,14	14,33	250	3500	42,5	80	30	15,1	M6	30	13,1	M6
P202	6,3	8,69	20,29										
P204	8,2	11,32	26,40										
P205	10	13,95	32,55										
P206	11,3	15,76	36,78										
P207	12	16,92	39,48										
P208	14	19,95	46,55										
P209	15	21,60	36,00										
P210	16	23,04	38,40										
P212	19	27,36	45,60	200	2500	54	103,5	40	19	M8	30	14,2	M6
P214	22	31,68	52,80										
P217	25	36,00	60,00										
P219	28	40,32	67,20										
P221	32	46,08	61,44										
P223	36	51,84	69,12										
				100	2000	70	134,8	40	19	M8	40	19	M8

Steel flange for horizontal tank
Flangia per serbatoio orizzontale

CODE

Drawing
DisegnoTo be welded on tank
Da saldare sul serbatoio

SZ0

Steel tank vertical version
Serbatoio in lamiera versione verticale

CODE

Tank
capacity
Volume [l]

A

B

C

D

E

W

L

Drawing
Disegno

SZ20V

20

240

53

213

175

76

270

340

SZ21V

SZ22V

30

414

58

328

175

76

270

340

SZ23V

SZ24V

45

353

58

267,5

175

76

320

540

SZ25V

SZ26V

60

444

58

358,5

175

76

320

540

SZ27V

SZ28V

90

644

60

556,5

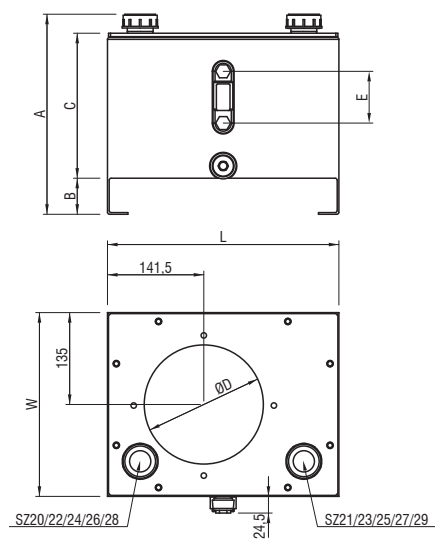
175

252

320

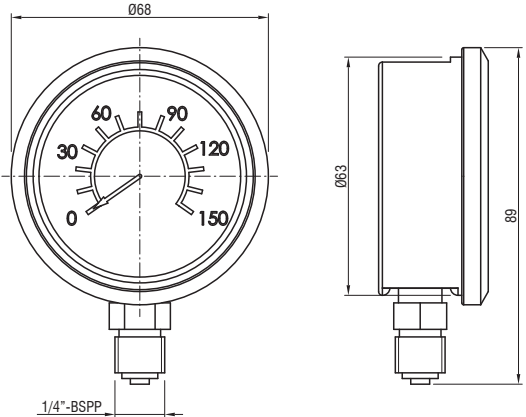
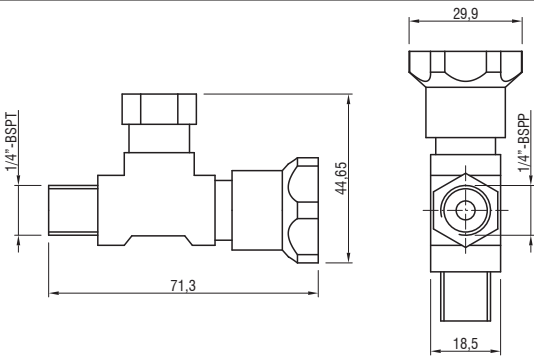
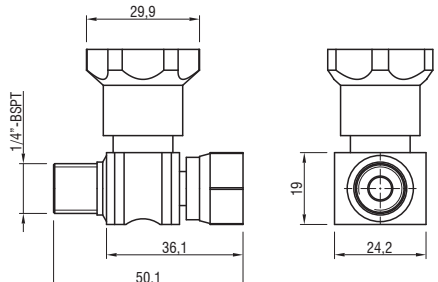
540

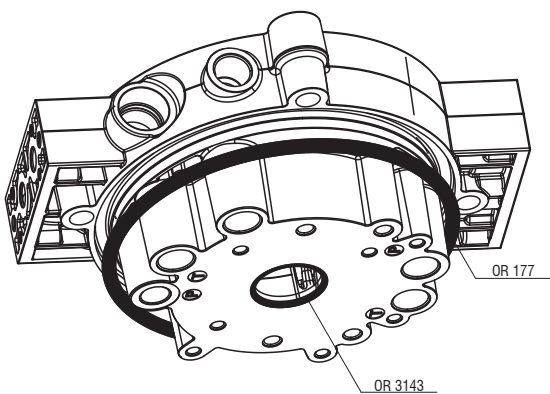
SZ29V



										Steel tank horizontal version Serbatoio in lamiera versione orizzontale
CODE	Tank capacity Volume [l]	A	B	C	D	E	F	W	L	Drawing Disegno
SZ22H	30	414	58	328	175	176	190	270	340	
SZ24H	45	353	58	267,5	175	76	190	320	540	
SZ26H	60	444	58	358,5	175	76	260	320	540	
SZ28H	90	644	60	556,5	175	252	260	320	540	

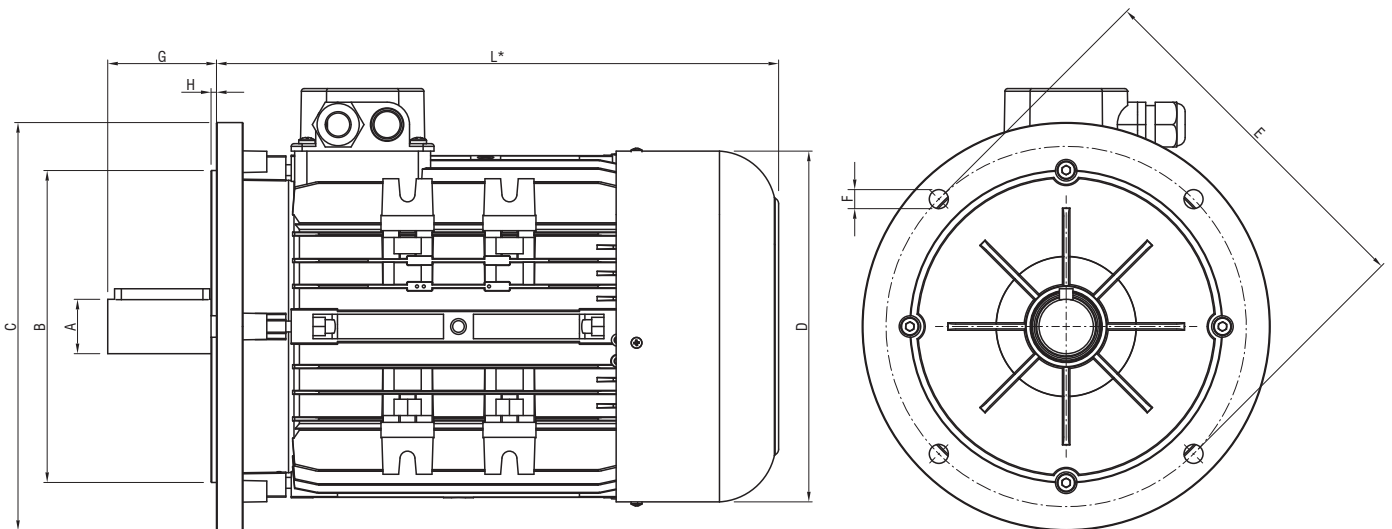
										Steel tank vertical version Serbatoio in lamiera versione verticale
CODE	Tank capacity Volume [l]	A	B	C	D	E	W	L		Drawing Disegno
SZ34	180	734	50	655	176	252	500	600		

		Gauge + Gauge cock Manometro + Esclusore
CODE	Description Descrizione	Drawing Disegno
M060	0 - 60 Bar pressure gauge Ø63mm. - 1/4" Manometro 0 - 60 Bar - Ø63mm. - 1/4"	
M150	0 - 150 Bar pressure gauge Ø63mm. - 1/4" Manometro 0 - 150 Bar - Ø63mm. - 1/4"	
M250	0 - 250 Bar pressure gauge Ø63mm. - 1/4" Manometro 0 - 250 Bar - Ø63mm. - 1/4"	
M400	0 - 400 Bar pressure gauge Ø63mm. - 1/4" Manometro 0 - 400 Bar - Ø63mm. - 1/4"	
E90	1/4" - 90° pressure gauge cock Esclusore manometro da 1/4" - 90°	
E	1/4" - pressure gauge cock Esclusore manometro da 1/4"	

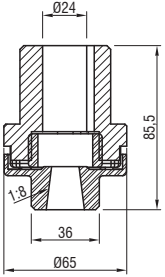
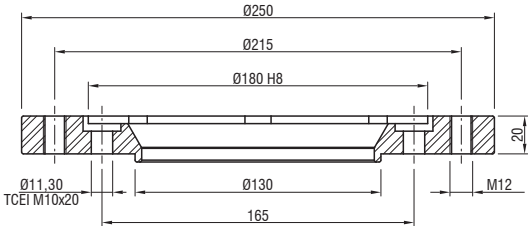
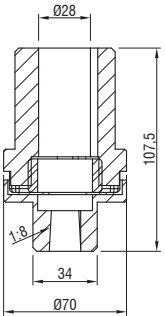
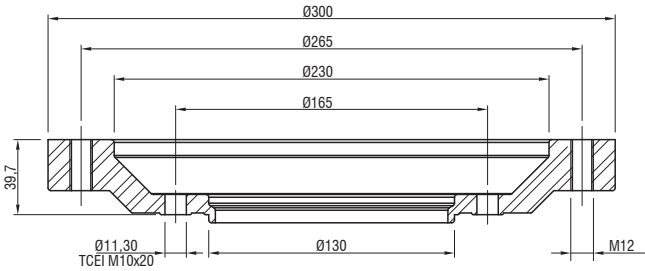
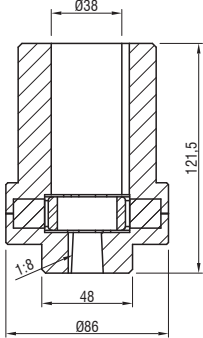
		O-Ring O-Ring
CODE	Description Descrizione	Drawing Disegno
OR3143	O-Ring between pump and manifold O-Ring tra pompa e collettore	
OR177	O-Ring between tank and manifold O-Ring tra serbatoio e collettore	

AC three-phase motor 230-400V - 50Hz - Frame B5 - IP54
Motore CA trifase 230-400V - 50Hz - Tipologia costruttiva B5 - IP54

CODE	Power Potenza [kW]	Nom. Current Corrente nominale [A]	C _{start} /C _{nom.}	MEC	A	B	C	D	E	F	G	H	L	C _{start} /C _{nom.}	Nom. Current Corrente nominale [A]	Power Potenza [kW]	CODE
2 poles motors (3000 rpm at 50 Hz)													4 poles motors (1500 rpm at 50 Hz)				
T254	2,2	4,7	6,8	90	24	130	200	178	165	11,5	50	3,5	279	7,8	4,0	1,8	T453
\	\	\	\	100	28	180	250	194	215	14	60	4	309	5,8	4,9	2,2	T454
T255	3,0	5,9	6,1	100	28	180	250	194	215	14	60	4	309	7,3	6,8	3,0	T455
T256	4,0	8,5	6,8	112	28	180	250	219	215	14	60	4	331	6,1	8,5	4,0	T456
T257	5,5	11,0	8,2	132	38	230	300	258	265	14	80	4	372	7,9	11,8	5,5	T457
T258	7,5	14,1	8,5	132	38	230	300	258	265	14	80	4	372	\	\	\	\
\	\	\	\	132	38	230	300	258	265	14	80	4	410	7,4	14,4	7,5	T458
T259	9,2	17,2	7,6	132	38	230	300	258	265	14	80	4	410	8,4	19,5	9,2	T459

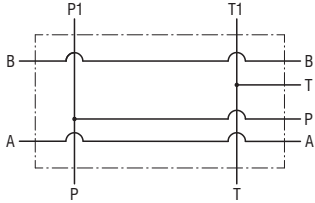
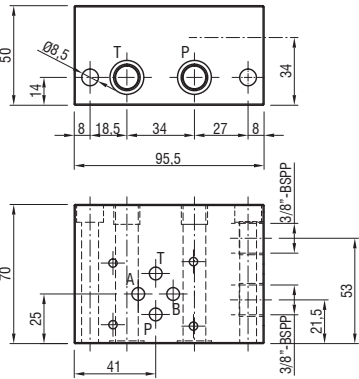
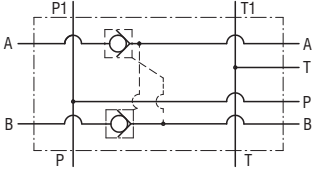
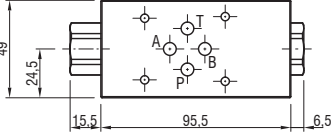
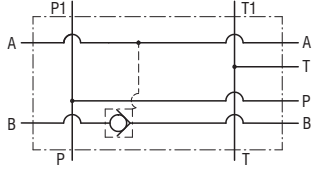
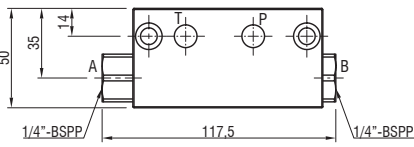
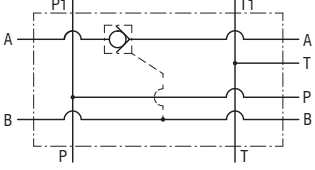
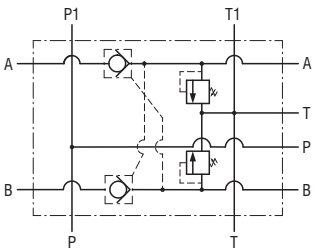
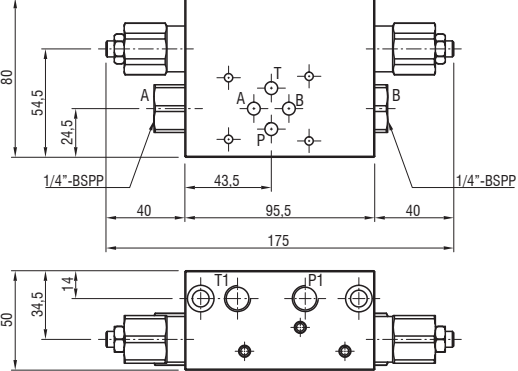


*This quote depends on manufacturer design
*Lunghezza indicativa, poichè dipende dal costruttore

CODE	Size IEC	Flange drawing Disegno flangia	Coupling drawing Disegno giunto
FZ90	MEC90	<p>Motor fitted directly on manifold Motore flangiato direttamente su collettore centrale</p>	
FZ100	MEC110 MEC112		
FZ132	MEC132		

CODE	Description Descrizione	Symbol Schema	Drawing Disegno										
B09	Spacer element H=18 Distanziale H=18												
B01	Spacer element H=39 Distanziale H=39												
B02	Spacer element H=69 Distanziale H=69												
B15	Adaptor for motor side rotation of the modular block H=90 Adattatore per rotazione lato motore dei blocchi modulari H=90												
B51	Adaptor for motor side rotation of the modular block H=60 Adattatore per rotazione lato motore dei blocchi modulari H=60												
B128	Modular block with 4 extra P ports Blocco modulare con 4 attacchi P supplementari	<p>M=1/4" - Pr=1/8"</p>											
B30_	Modular block with 50% ÷ 50% flow divider valve Blocco modulare con valvola divisore di flusso 50% ÷ 50%												
	<table border="1"> <thead> <tr> <th>CODE</th> <th>P flow rate Portata in P</th> </tr> </thead> <tbody> <tr> <td>06</td> <td>1-6 l/min</td> </tr> <tr> <td>10</td> <td>5-10 l/min</td> </tr> <tr> <td>20</td> <td>10-20 l/min</td> </tr> <tr> <td>40</td> <td>20-40 l/min</td> </tr> </tbody> </table>			CODE	P flow rate Portata in P	06	1-6 l/min	10	5-10 l/min	20	10-20 l/min	40	20-40 l/min
CODE	P flow rate Portata in P												
06	1-6 l/min												
10	5-10 l/min												
20	10-20 l/min												
40	20-40 l/min												

CODE	Description Descrizione	Symbol Schema	Drawing Disegno										
B41	<p>Modular block with pressure compensated priority valve</p> <p>Blocco modulare con valvola prioritaria compensata baricamente</p> <p>$P_{max} = 350$ bar $Q_{pmax} = 50$ l/min $Q_{p1max} = 30$ l/min</p>												
B73_	<p>Modular block with pressure reducing valve</p> <p>Blocco modulare con valvola riduttrice di pressione</p> <p>$Q_{max} = 30$ l/min $P_{max} = 350$ bar</p>												
	<table border="1"> <thead> <tr> <th>CODE</th> <th>P2max</th> </tr> </thead> <tbody> <tr> <td>035</td> <td>5-35 bar</td> </tr> <tr> <td>060</td> <td>10-60 bar</td> </tr> <tr> <td>100</td> <td>15-100 bar</td> </tr> <tr> <td>180</td> <td>35-180 bar</td> </tr> </tbody> </table>			CODE	P2max	035	5-35 bar	060	10-60 bar	100	15-100 bar	180	35-180 bar
	CODE			P2max									
	035			5-35 bar									
	060			10-60 bar									
100	15-100 bar												
180	35-180 bar												
B03	<p>Modular block for parallel or serial assembling of a CETOP3 - NG6 electrovalve</p>												
B11	<p>Blocco modulare per montaggio in parallelo o in serie di una elettrovalvola CETOP3 - NG6</p>												
B37	<p>Modular block for parallel assembling of a CETOP5 - 2145 electrovalve</p> <p>Blocco modulare per montaggio in parallelo di una elettrovalvola CETOP5 - 2145</p>												

CODE	Description Descrizione	Symbol Schema	Drawing Disegno
B142	<p>Modular block for parallel assembling of a CETOP3 - NG6 electrovalve</p> <p>Blocco modulare per montaggio in parallelo di una elettrovalvola CETOP3 - NG6</p>		
B118	<p>Modular block for parallel assembling of a CETOP3 - NG6 electrovalve with piloted operated check valves on A and B</p>		
B122	<p>Blocco modulare per montaggio in parallelo di una elettrovalvola CETOP3 - NG6 con valvole di ritegno pilotate su A e B</p> <p>Pilot ratio 1:4 Rapporto di pilotaggio 1:4</p>		
B123	<p>Qmax= 15 l/min</p>		
B121	<p>Modular block for parallel assembling of a CETOP3 - NG6 electrovalve with piloted operated check valves an relief valves on A and B</p> <p>Blocco modulare per montaggio in parallelo di una elettrovalvola CETOP3 - NG6 con valvole di ritegno pilotate e valvole di massima su A e B</p> <p>Pilot ratio 1:4 Rapporto di pilotaggio 1:4</p>		

CODE	Description Descrizione	Symbol Schema	Drawing Disegno
B05			
B06	Sandwich block for CETOP3 - NG6 electrovalve with relief valve Blocco di interposizione per elettrovalvola CETOP3 - NG6 con valvola limitatrice di pressione Qmax= 25 l/min		
B07			
B08	Sandwich block for CETOP3 - NG6 electrovalve with relief valve Blocco di interposizione per elettrovalvola CETOP3 - NG6 con valvola limitatrice di pressione Qmax= 25 l/min		
B78		CETOP SIDE 	
B79	Sandwich block for CETOP3 - NG6 electrovalve with flow regulator valve Blocco di interposizione per elettrovalvola CETOP3 - NG6 con valvola regolatrice di portata Qmax= 40 l/min Pmax= 350 bar	CETOP SIDE 	
B80		CETOP SIDE 	

CODE	Description Descrizione	Symbol Schema	Drawing Disegno										
B44_	Sandwich block for CETOP3 - NG6 electrovalve with counterbalance valve on A												
	Blocco di interposizione per elettrovalvola CETOP3 - NG6 con valvola di bilanciamento su A												
	Q _{max} = 25 l/min Pilot ratio 1:4 STD (1:8 on request) Rapp. pilot. 1:4 STD (1:8 a richiesta)												
	<table border="1"> <thead> <tr> <th>CODE</th> <th>Pressure range [bar] Campo di taratura [bar]</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>60-220</td> </tr> <tr> <td>35</td> <td>100-350</td> </tr> </tbody> </table>			CODE	Pressure range [bar] Campo di taratura [bar]	20	60-220	35	100-350				
CODE	Pressure range [bar] Campo di taratura [bar]												
20	60-220												
35	100-350												
B20	Modular hand pump 6,5cc												
	Pompa a mano modulare 6,5cc P _{max} = 350 bar												
B17_	Modular block for double pump												
	Blocco modulare per pompa doppia												
	<table border="1"> <thead> <tr> <th>CODE</th> <th>Pressure range [bar] Campo di taratura [bar]</th> </tr> </thead> <tbody> <tr> <td>W</td> <td>5-40</td> </tr> <tr> <td>X</td> <td>20-80</td> </tr> <tr> <td>Y</td> <td>50-220</td> </tr> <tr> <td>Z</td> <td>180-350</td> </tr> </tbody> </table>			CODE	Pressure range [bar] Campo di taratura [bar]	W	5-40	X	20-80	Y	50-220	Z	180-350
	CODE			Pressure range [bar] Campo di taratura [bar]									
	W			5-40									
X	20-80												
Y	50-220												
Z	180-350												

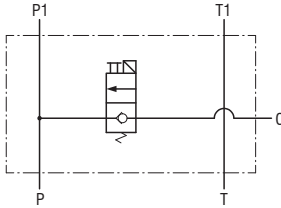
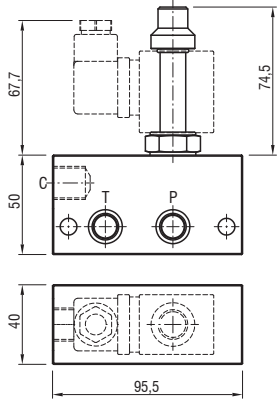
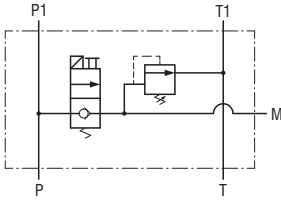
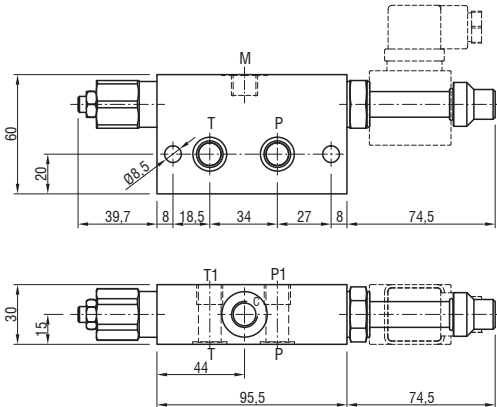
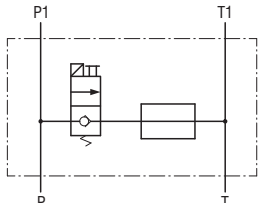
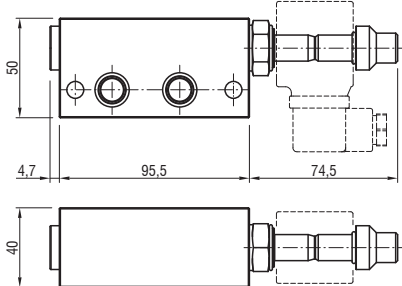
CODE	Description Descrizione	Symbol Schema	Drawing Disegno						
B96	<p>Modular block with threaded connection 3/8" BSPP and extra port 1/4" BSPP M</p> <p>Blocco modulare con attacchi filettati 3/8" BSPP e attacco M1/4" BSPP</p>								
B163	<p>Modular block with threaded connection 1/2" BSPP and extra port 1/4" BSPP M</p> <p>Blocco modulare con attacchi filettati 1/2" BSPP e attacco M1/4" BSPP</p>								
B25	<p>Modular block for soft start movement</p> <p>Blocco modulare per partenza in rampa</p> <p>Qmax= 20 l/min Pmax= 250 bar</p>								
B27_	<p>Modular block for single overcentre valve and for CETOP3 - NG6 electrovalve</p> <p>Blocco modulare per valvola di bilanciamento e per elettrovalvola CETOP3 - NG6</p> <p>Qmax= 25 l/min</p> <p>Pilot ratio 1:4 STD (1:8 on request) Rapp. pilot. 1:4 STD (1:8 a richiesta)</p>								
	<table border="1"> <thead> <tr> <th>CODE</th> <th>Pressure range [bar] Campo di taratura [bar]</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>60-220</td> </tr> <tr> <td>35</td> <td>100-350</td> </tr> </tbody> </table>	CODE	Pressure range [bar] Campo di taratura [bar]	20	60-220	35	100-350		
	CODE	Pressure range [bar] Campo di taratura [bar]							
20	60-220								
35	100-350								

CETOP 3 (Ø6)				
CODE	Description Descrizione	CODE	Description Descrizione	Drawing Disegno
F02		F06		
F11		F07		
F05		F08		
F13		F10		
F03		F20		
F04				
F14				
F15				
Maximum pressure - Pressione massima: 350 bar			Maximum flow rate - Portata massima: 60 l/min	

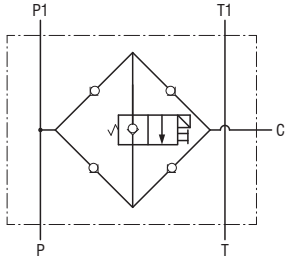
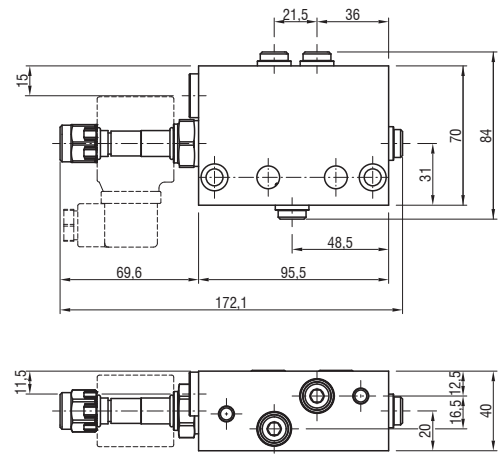
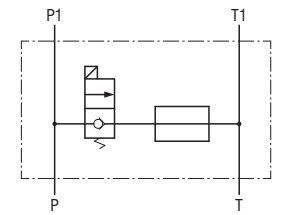
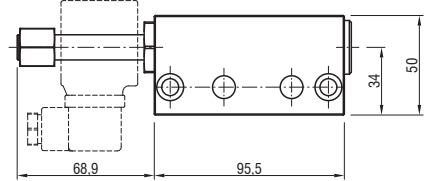
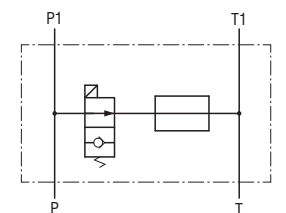
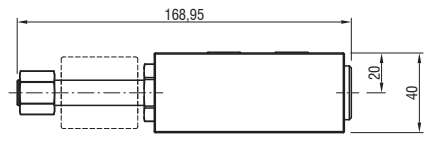
CETOP 5 (Ø10)				
CODE	Description Descrizione	CODE	Description Descrizione	Drawing Disegno
H02		H06		
H11		H07		
		H08		
		H10		
Maximum pressure - Pressione massima: 350 bar			Maximum flow rate - Portata massima: 100 l/min	

Ports Attacchi		Solenoids voltage for CETOP 3 Tensione dei solenoidi per CETOP 3				Solenoids voltage for CETOP 5 Tensione dei solenoidi per CETOP 5			
CODE	Description Descrizione	CODE	Description Descrizione	Nominal power Potenza nominale	Characteristics Caratteristiche	CODE	Description Descrizione	Nominal power Potenza nominale	Characteristics Caratteristiche
1	1/4" BSPP	00	No solenoid No solenoide	/	Duty cycle Ciclo di lavoro 100% Insulation class Classe di isolamento F (T=155°C) Protection index Indice di protezione IP65	00	No solenoid No solenoide	/	Duty cycle Ciclo di lavoro 100% Insulation class Classe di isolamento F (T=155°C) Protection index Indice di protezione IP65
2	3/8" BSPP	0A	12 Vdc	32 W		0A	12 Vdc	45 W	
		0B	24 Vdc	31 W		0B	24 Vdc	48 W	
		0C	48 Vdc	30 W		0C	48 Vdc	47 W	
		0V	24 Vac	48 VA		0V	24 Vac	95 VA	
		0W	110 Vac	48 VA		0W	110 Vac	105 VA	
		0Z	220 Vac	44 VA		0Z	220 Vac	105 VA	

NOTE: the coils are not included in the modular elements
NOTA: le bobine non sono comprese negli elementi modulari

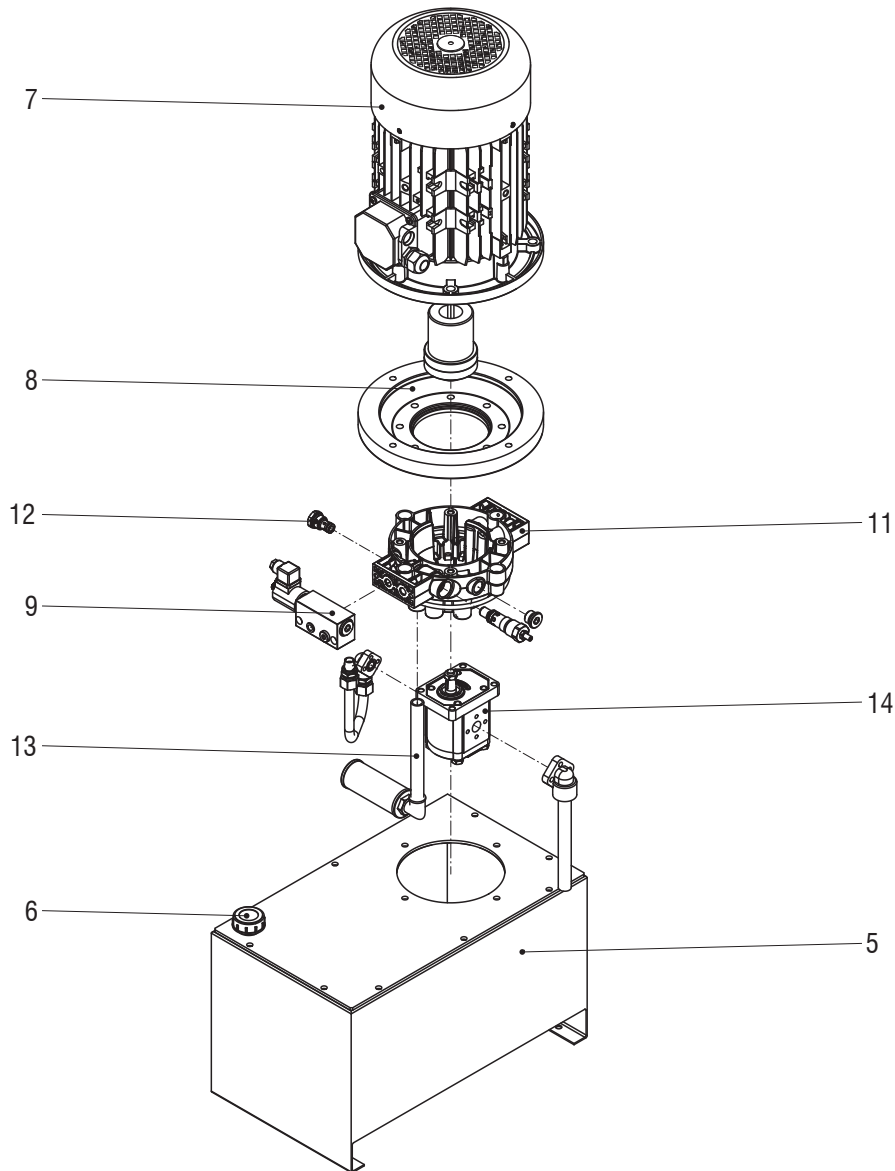
CODE	Description Descrizione	Symbol Schema	Drawing Disegno
V14	Modular block with single locking electric cartridge valve Blocco modulare con valvola elettrica a singola tenuta		
V136	Modular block to reduce the working pressure on the main circuit Blocco modulare per ridurre la pressione di lavoro sul circuito principale		
V04	Modular block with electric valve and part 3/8" BSPP Blocco modulare con valvola elettrica e attacco da 3/8" BSPP Qmax= 30 l/min		

NOTE: the coils are not included in the modular elements
NOTA: le bobine non sono comprese negli elementi modulari

CODE	Description Descrizione	Symbol Schema	Drawing Disegno
V24	Modular block with four check valve and part 3/8" BSPP Blocco modulare con quattro valvole di ritegno e attacco da 3/8" BSPP Q _{max} = 30 l/min		
V52	Modular block with electric valve and part 3/8" BSPP Blocco modulare con valvola elettrica e attacco da 3/8" BSPP Q _{max} = 60 l/min		
V53	Modular block with electric valve and part 3/8" BSPP Blocco modulare con valvola elettrica e attacco da 3/8" BSPP Q _{max} = 60 l/min		

Ports Attacchi		Solenoids voltage Tensione dei solenoidi		
CODE	Description Descrizione	CODE	Description Descrizione	Characteristics Caratteristiche
1	1/4" BSPP	00	No solenoid / No solenoide	Nominal power 18W Potenza nominale Duty cycle 100% Ciclo di lavoro Insulation class F (T=155°C) Classe di isolamento Protection index IP65 Indice di protezione
2	3/8" BSPP	0A	12 Vdc	
		0B	24 Vdc	
		0C	48 Vdc	
		0L	24 Vac - 50 Hz	
		0M	110 Vac - 50 Hz	
		0N	220 Vac - 50 Hz	
		0P	24 Vac - 50/60 Hz	
		0R	24 Vac - 60 Hz	
		0T	110 Vac - 60 Hz	
		0U	220 Vac - 60 Hz	
		0V	24 Vrac	
		0W	110 Vrac	
		0Z	220 Vrac	

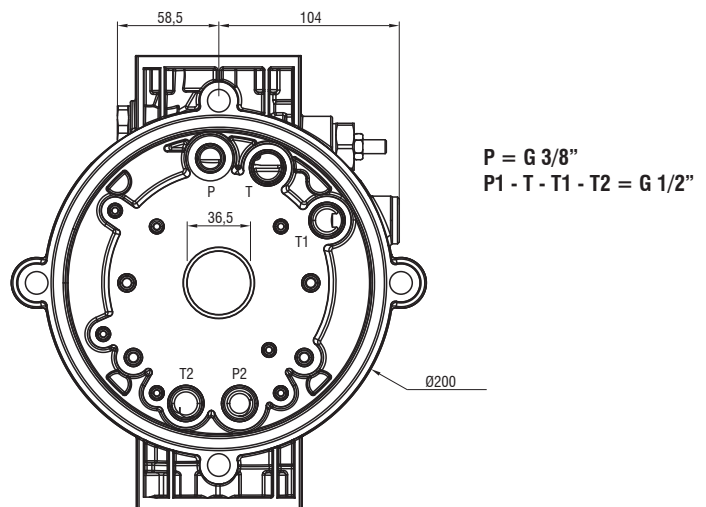
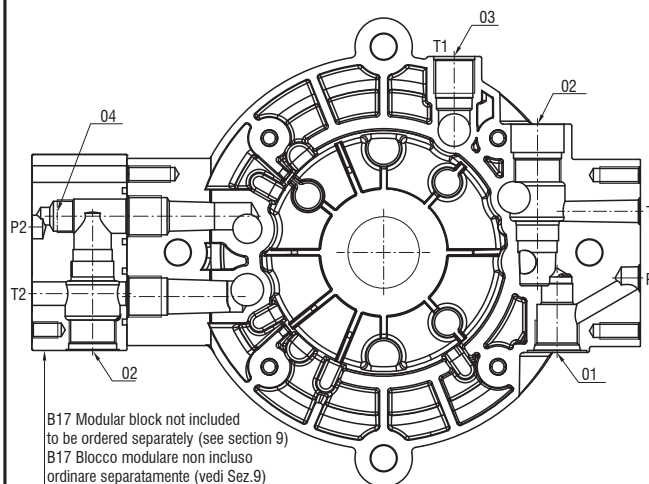
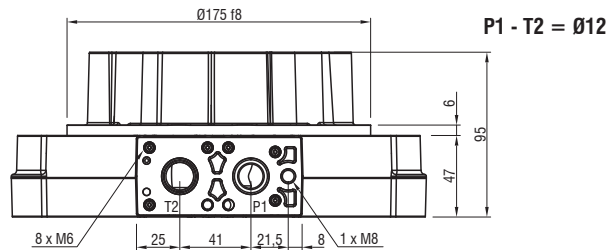
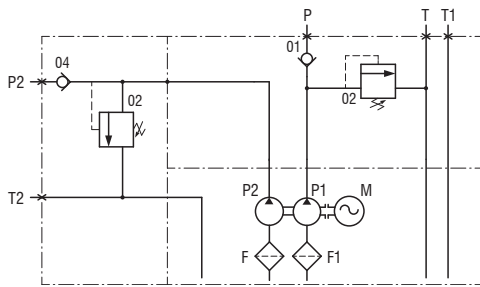
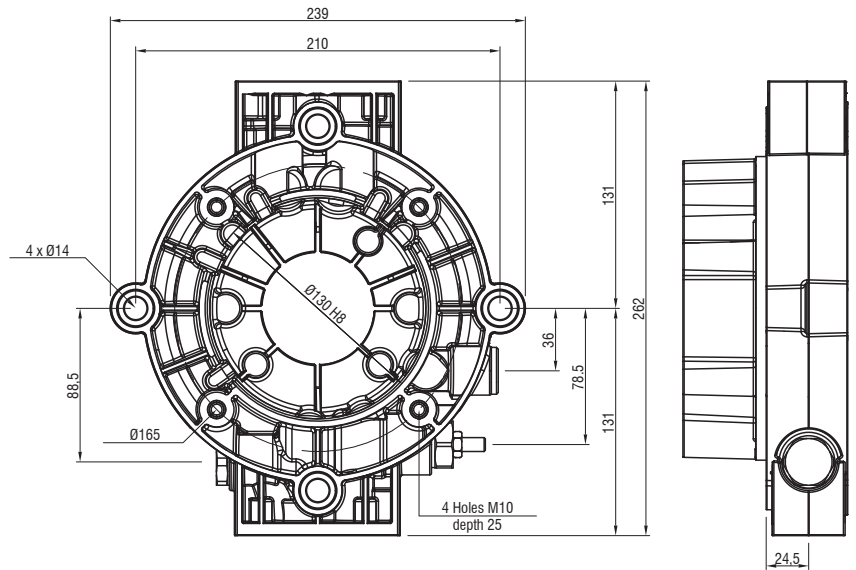
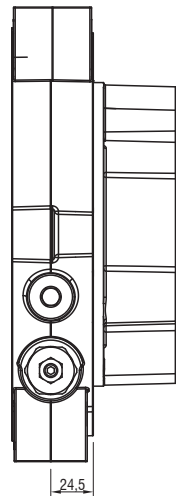
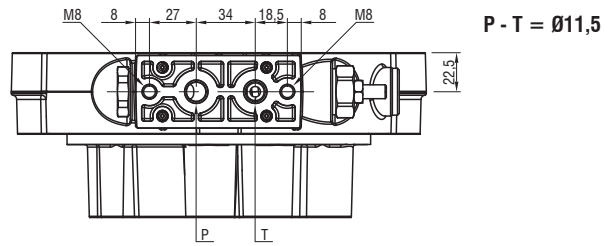
Position Posizione	11	12	13	14	5	6	7	8	9
PU20	___/_	---	---	---	---	---	---	---	---
Description	Central manifold	Screw-in valves	Pipes kit	Double Pumps	Oil Tanks	Accessories	Electric motors	Junction elements	Modular elements, ports, solenoids
Descrizione	Collettore centrale	Valvole integrate	Kit tubi	Pompe Doppie	Serbatoi	Accessori	Motori elettrici	Elementi di connessione	Elementi modulari, attacchi, solenoidi



CODE EXAMPLE:
ESEMPIO DI CODICE:

Position Posizione	11	12	13	14	5	6	7	8	9
PU20	Z2A	Y__	---	P204	SZ23V	---	T258	FZ132	B37
Page Pagina	26	27	28	29	10	12	13	14	15

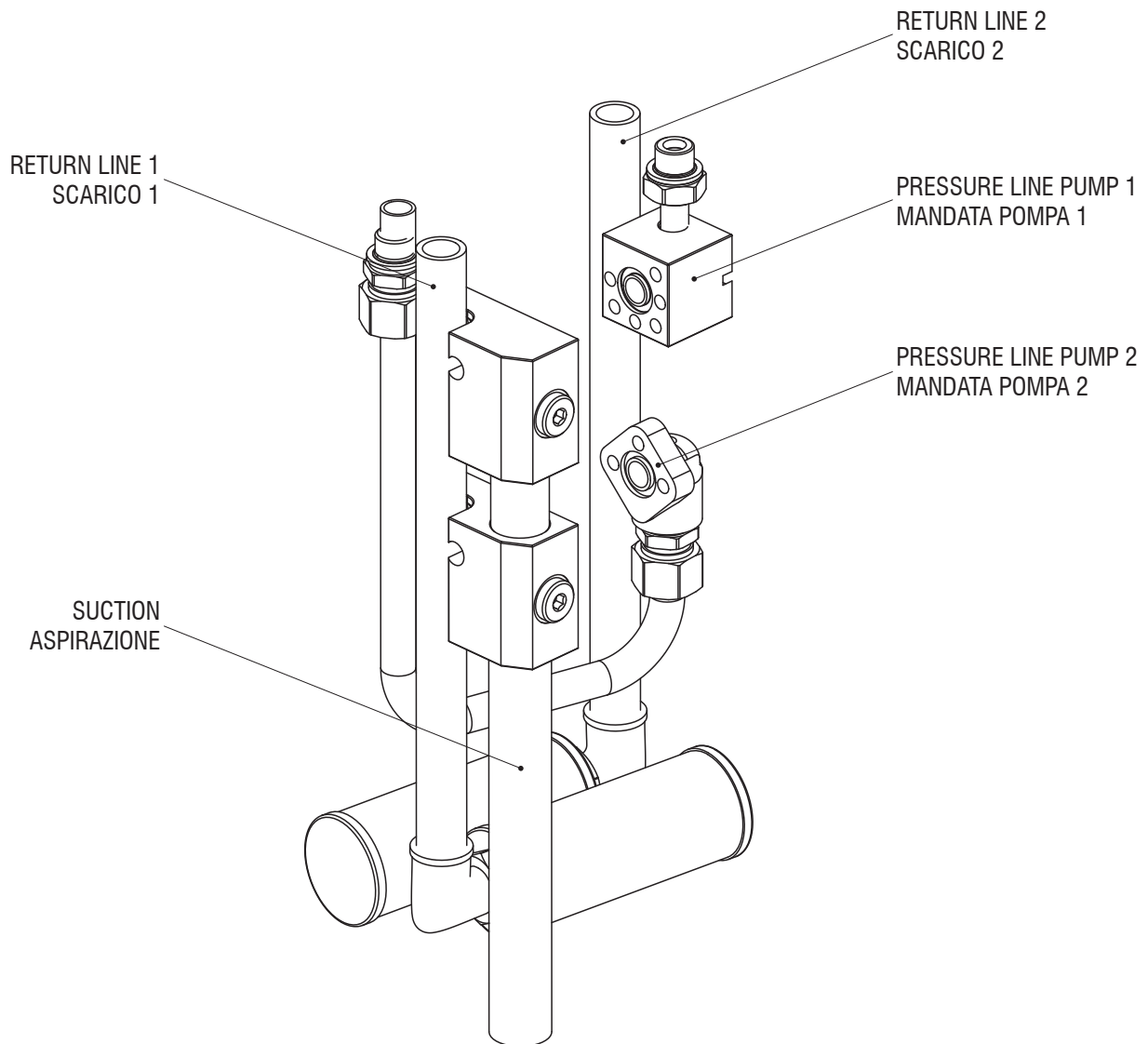
CODE	Z2A	
Relief valve Valvola di massima	Pressure range (bar) Campo di taratura	
VMZ1	W	5 - 40
	X	20 - 80
	Y	50 - 220
	Z	180 - 350



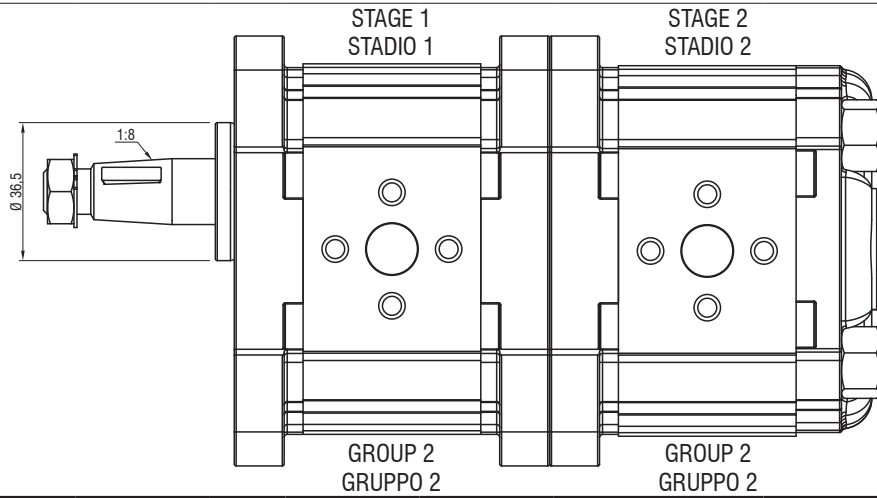
B17 Modular block not included to be ordered separately (see section 9)
B17 Blocco modulare non incluso ordinare separatamente (vedi Sez.9)

CODE	Description Descrizione	Symbol Schema	Drawing Disegno	Cavity Cavit�	
VMZ1	Direct acting relief valve with guided poppet Valvola di massima diretta con spillo guidato			02	
	Maximum flow rate Portata massima				70 l/min
	VMZ1 - W				5 - 40 bar
	VMZ1 - X				20 - 80 bar
	VMZ1 - Y				50 - 220 bar
VMZ1 - Z	180 - 350 bar				
CA1	- Without sealing cap for VMZ1 relief valve Senza cappuccio antimanomissione VMZ1				
	1 With sealing cap for VMZ1 relief valve Con cappuccio antimanomissione VMZ1				
VU7	Cartridge check valve Valvola unidirezionale a cartuccia Q _{max} = 80 l/min P _{max} = 350 bar P _{cracking} = 1 bar			01	
VU9	Cartridge check valve Valvola di ritegno Q _{max} = 50 l/min P _{max} = 350 bar P _{cracking} = 0,5 bar			04	
TC11	1/2" plug with O-ring Tappo da 1/2" con O-ring			03	

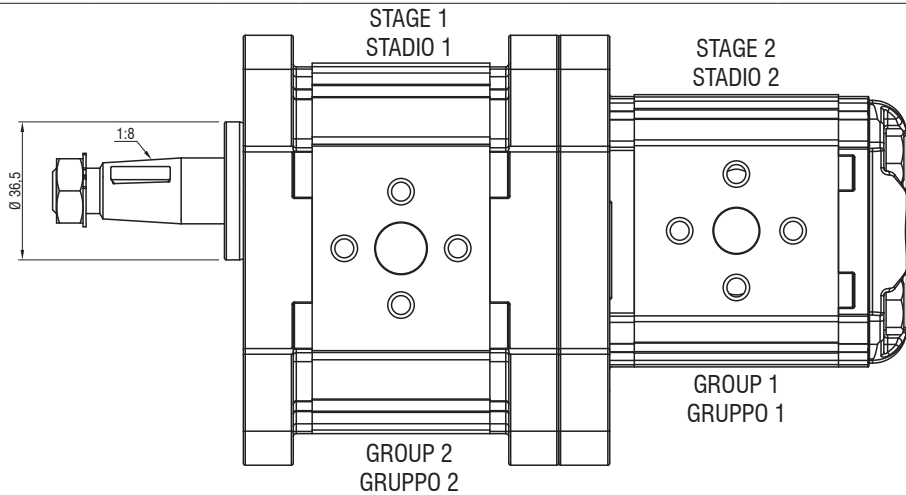
Example of pipes kit for double pump configuration
Esempio del kit tubi per configurazione pompa doppia



Double pumps (stage 1 - group 2 / stage 2 - group 2)
Pompe doppie (stadio 1 - gruppo 2 / stadio 2 - gruppo 2)



Double pumps (stage 1 - group 2 / stage 2 - group 1)
Pompe doppie (stadio 1 - gruppo 2 / stadio 2 - gruppo 1)



STAGE 1 STADIO 1				STAGE 2 STADIO 2							
GROUP 2 GRUPPO 2				GROUP 2 GRUPPO 2				GROUP 1 GRUPPO 1			
CODE	Displacement Cilindrata [cm ³ /rev]	Pressure Pressione max [bar]	Max speed Velocità max [rpm]	CODE	Displacement Cilindrata [cm ³ /rev]	Pressure Pressione max [bar]	Max speed Velocità max [rpm]	CODE	Displacement Cilindrata [cm ³ /rev]	Pressure Pressione max [bar]	Max speed Velocità max [rpm]
P201	4,2	260	4000	S201	4,2	260	4000	S100	0,91	240	6000
P202	6,0	260	3500	S202	6,0	260	3500	S102	1,17	250	6000
P204	8,4	260	3500	S204	8,4	260	3500	S103	1,56	250	6000
P206	10,8	260	3500	S206	10,8	260	3500	S104	2,08	250	6000
P208	14,4	250	3500	S208	14,4	250	3500	S105	2,6	250	6000
P210	16,8	230	3500	S210	16,8	230	3500	S107	3,12	250	6000
P212	19,2	210	3000	S212	19,2	210	3000	S108	3,64	250	6000
P214	22,8	200	3000	S214	22,8	200	3000	S109	4,26	250	6000
P218	26,2	170	3000	S218	26,2	170	3000	S111	4,94	250	6000
P220	30	160	2500	S220	30	160	2500	S112	5,85	250	5000
P222	34,2	150	2500	S222	34,2	150	2500	S113	6,5	250	5000
P224	39,6	140	2000	S224	39,6	140	2000	S114	7,54	220	5000
								S117	9,88	190	4000

