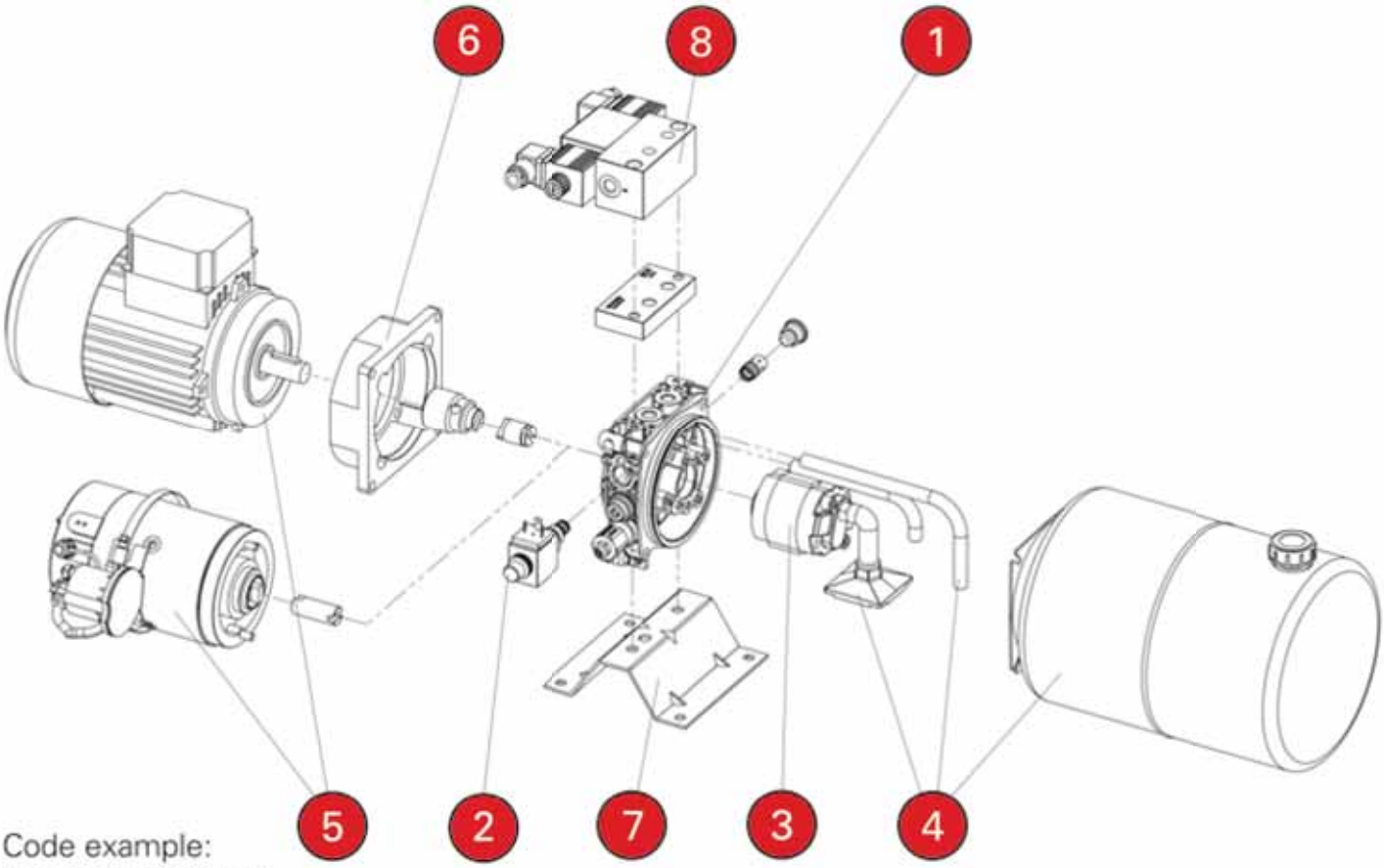
10D

Compact Power Pack PU10D

Tecfluid

Position *Posizione*	1	2	3	4	5	6	7	8
PU10D	---/-	----/--/-	----	-----	----**/-/-	----	---/---	---/-/--
Description	Central Manifold, relief valve	Screw-in valves	Pump	Oil tank, pipes, filter	Electric motor, starting relay, protection	Junction elements	Assembly position, support	Modular elements, ports, solenoids
Descrizione	*Collettore centrale, valvola di massima*	*Valvole integrate*	*Pompa*	*Serbatoio, tubi, filtro*	*Motore elettrico, relè di avviamento, protezione*	*Elementi di connessio-ne*	*Posizione di montaggio, supporti*	*Elementi modulari, attacchi, solenoidi*



Code example:
Esempio di codice:

Position *Posizione*	1	2	3	4	5	6	7	8
PU10D	E1B/Y	NCE/OB/4	PG07	SL68H	C204/D/0	FC02	H21/G01	B03/2/00
Page *Pagina*	2 / 2	4 / 5 / 8	10	13	26 / 27 / 27	29	30 / 30	33 / 37 / 37

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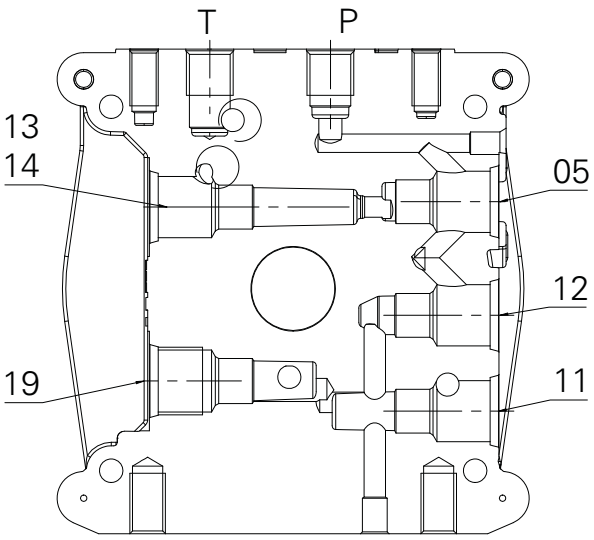
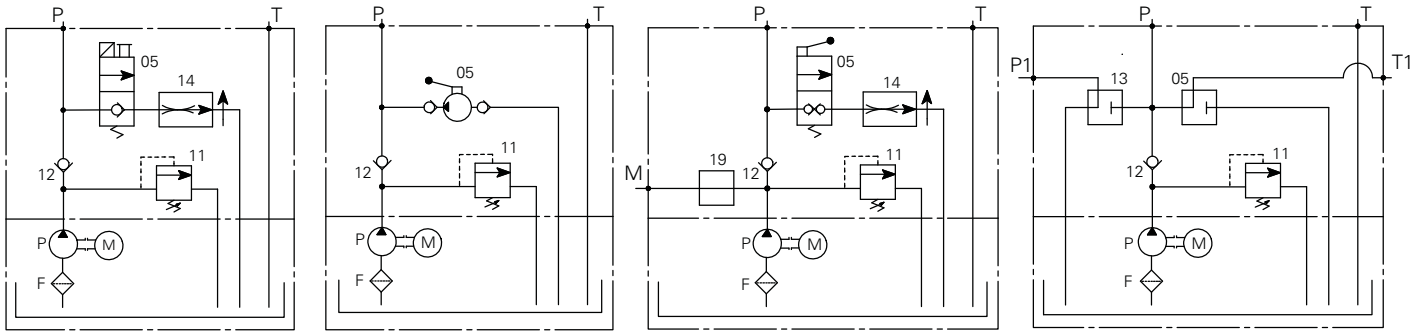
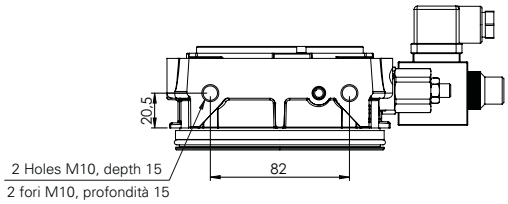
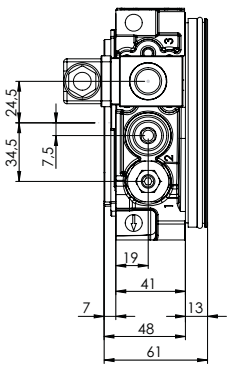
Code	E1B	
Relief valve *Valvola di massima*		Pressure range (bar) *Campo di taratura*
VMC1	W	10 - 60
	X	30 - 150
	Y	50 - 250
	Z	80 - 360

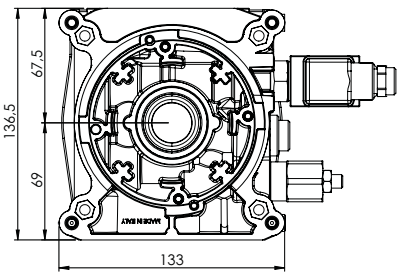
(*) Add C for version with elastic coupling
(*) Aggiungere C per la versione con giunto elastico

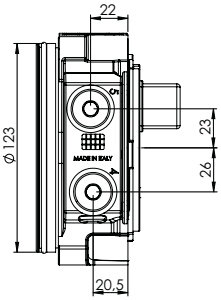


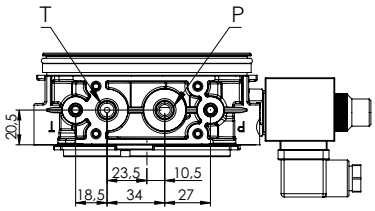












P - T = G 1/4"

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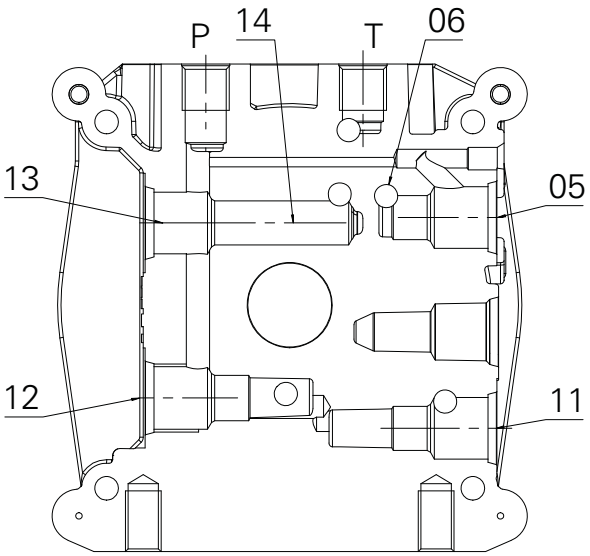
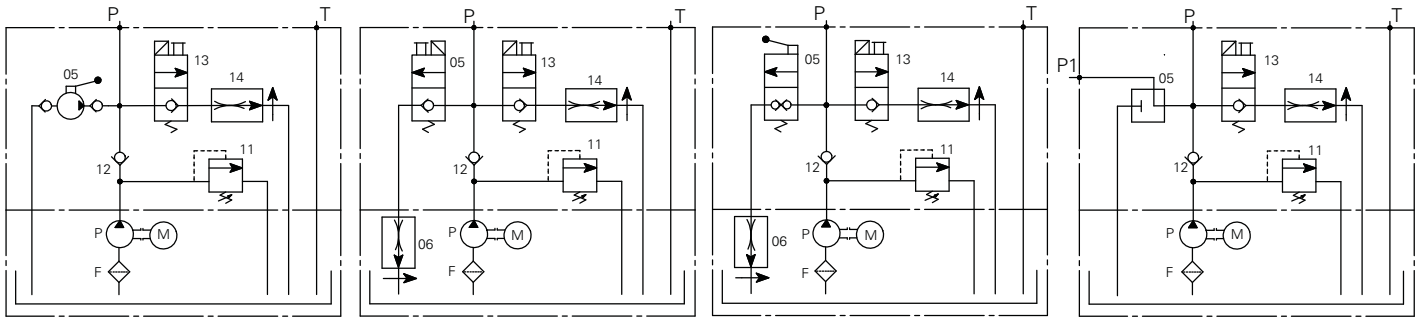
Code	F1A	
Relief valve *Valvola di massima*		Pressure range (bar) *Campo di taratura*
VMC1	W	10 - 60
	X	30 - 150
	Y	50 - 250
	Z	80 - 360

(*) Add C for version with elastic coupling

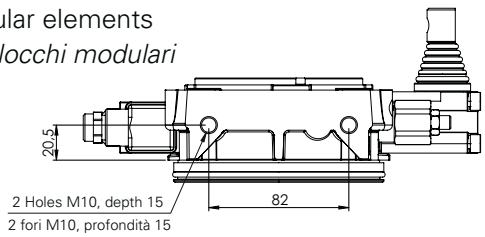
(*) Aggiungere C per la versione con giunto elastico

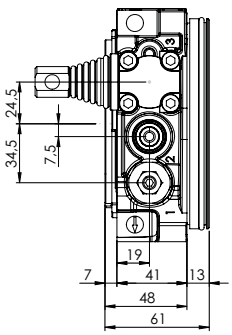


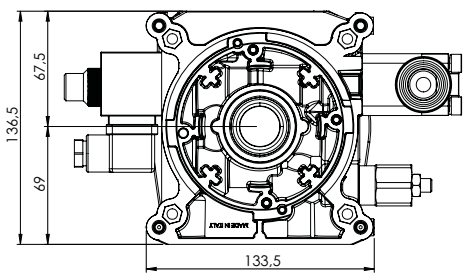


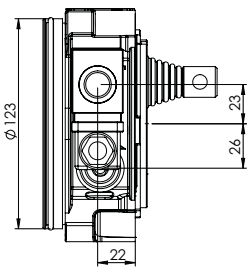
NOTE: it does not allow to fit modular elements

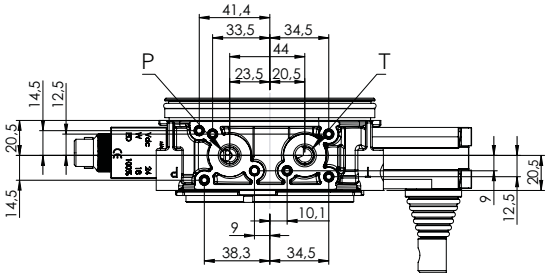
NOTA: non è possibile montare i blocchi modulari



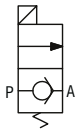
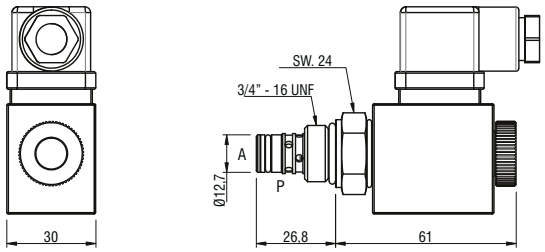
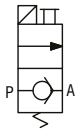
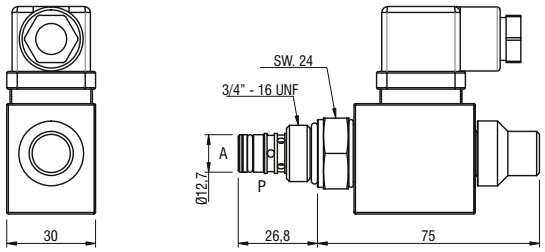
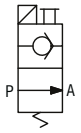
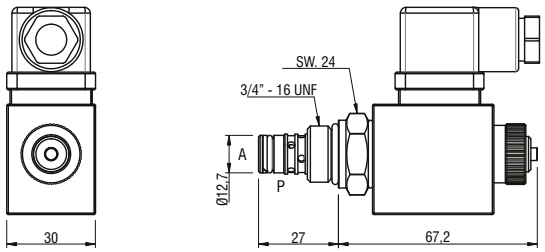
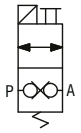
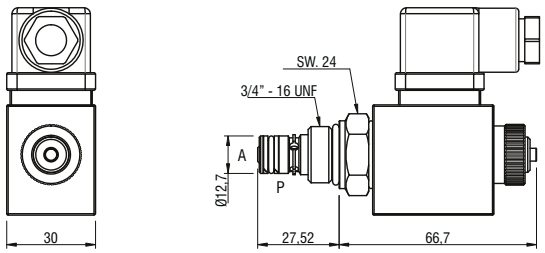
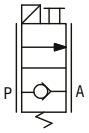
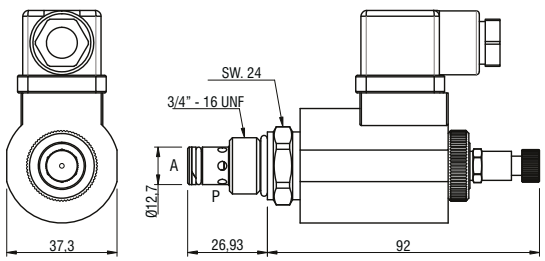
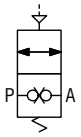
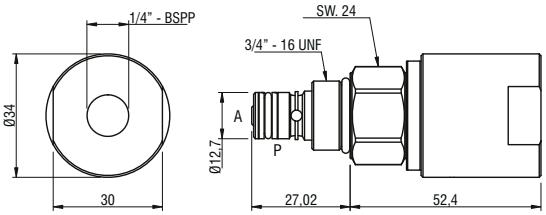








P - T = G 1/4"

CODE	Description *Descrizione*		Symbol *Schema*	Drawing *Disegno*	Cavity *Cavità*
NC	Pilot operated electric valve *Valvola elettrica pilotata* VE6-NC				05 13
	Max working pressure *Max pressione di lavoro*	350 bar			
	Max flow rate *Max portata*	25 l/min			
	Coil type *Tipo di solenoide*	N-H13			
NCE	Pilot operated electric valve *Valvola elettrica pilotata* VE6-NC-EM				05 13
	Max working pressure *Max pressione di lavoro*	350 bar			
	Max flow rate *Max portata*	25 l/min			
	Coil type *Tipo di solenoide*	N-H13			
NAE	Pilot operated electric valve *Valvola elettrica pilotata* VE2-NA-EM				05 13
	Max working pressure *Max pressione di lavoro*	250 bar			
	Max flow rate *Max portata*	12 l/min			
	Coil type *Tipo di solenoide*	N-H13			
CDE	Direct operating electric valve *Valvola elettrica diretta* VE2-NC-DT-EM				05 13
	Max working pressure *Max pressione di lavoro*	210 bar			
	Max flow rate *Max portata*	12 l/min			
	Coil type *Tipo di solenoide*	N-H13			
CPE	Pilot operated proportional electric valve *Valvola elettrica pilotata proporzionale* VE9-NC-EM				05
	Max working pressure *Max pressione di lavoro*	300 bar			
	Max flow rate *Max portata*	30 l/min			
	Coil type *Tipo di solenoide*	N-H16			
PCD	Pneumatic double lock valve *Valvola pneumatica doppia tenuta*				05 13
	VP1-NC-DT				
	Max working pressure *Max pressione di lavoro*	300 bar			
	Max flow rate *Max portata*	15 l/min			

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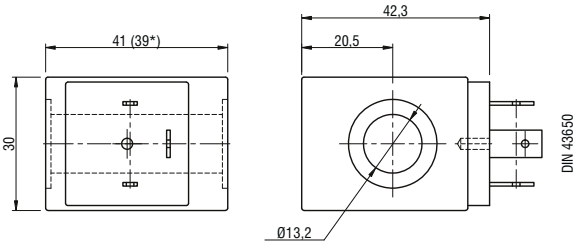
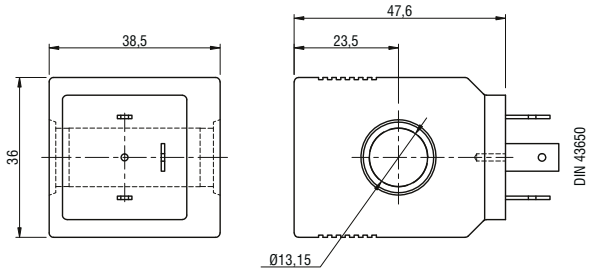
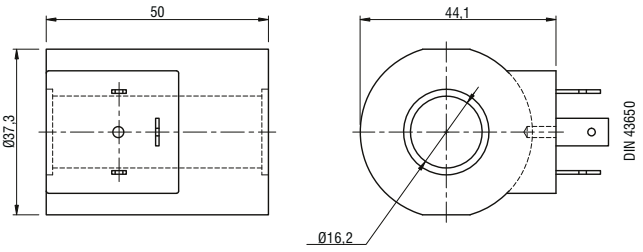
Solenoids voltage (N-H13)
Tensione dei solenoidi (N-H13)

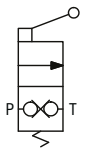
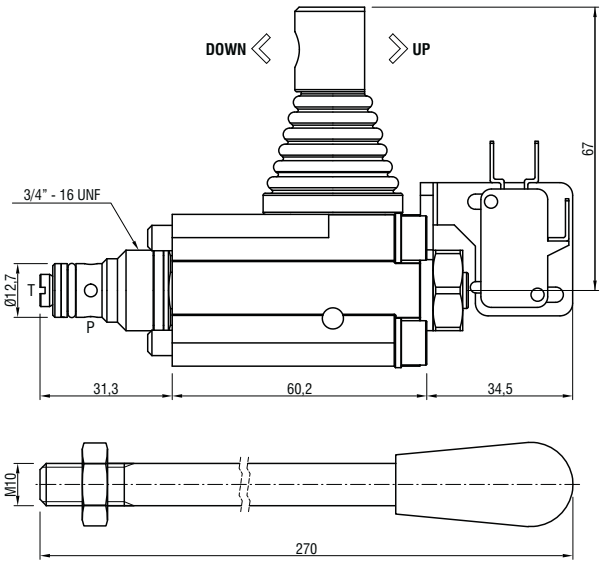
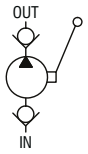
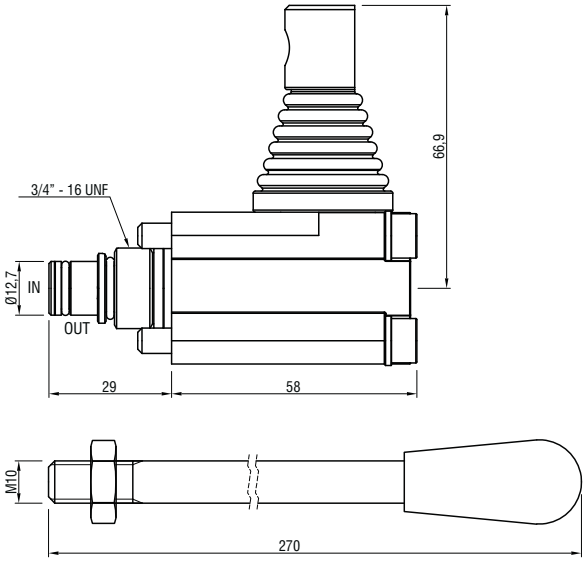
CODE	Description *Descrizione*	Characteristics *Caratteristiche*	Drawing *Disegno*
OA	12 Vdc	Nominal power **18w** *Potenza nominale* Duty cycle **100%** *Ciclo di lavoro* Insulation class **F (T=155°C)** *Classe di isolamento* Protection index **IP65** *Indice di protezione*	
OB	24 Vdc		
OC	48 Vdc		
OD	10 Vdc		
OL	24 Vac - 50 Hz *		
OM	110 Vac - 50 Hz *		
ON	220 Vac - 50 Hz *		
OP	24 Vac - 50/60 Hz *		
OR	24 Vac - 60 Hz *		
OT	110 Vac - 60 Hz *		
OU	220 Vac - 60 Hz *		
OV	24 Vrac		
OW	110 Vrac		
OZ	220 Vrac		

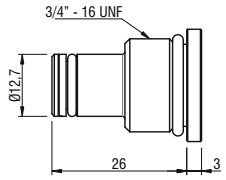
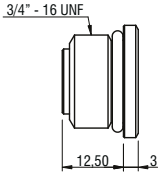
Solenoids voltage (N-H13R)
Tensione dei solenoidi (N-H13R)

OA	12 Vdc	Nominal power **22w** *Potenza nominale* Duty cycle **100%** *Ciclo di lavoro* Insulation class **F (T=155°C)** *Classe di isolamento* Protection index **IP65** *Indice di protezione*	
OB	24 Vdc		

Solenoids voltage (N-H16)
Tensione dei solenoidi (N-H16)

OA	12 Vdc	Nominal power **26w** *Potenza nominale* Duty cycle **100%** *Ciclo di lavoro* Insulation class **F (T=155°C)** *Classe di isolamento* Protection index **IP65** *Indice di protezione*	
OB	24 Vdc		

CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*	Cavity *Cavità*
CM3_	2 ways manual operated cartridge valve *Valvola comando manuale 2 vie a cartuccia*			05
	CM3A without microswitch *senza microswitch*			
	CM3B with microswitch *con microswitch*			
PM1	Cartridge hand pump *Pompa a mano a cartuccia*			05
	Max working pressure *Pressione max di lavoro* — 300 bar			
	Displacement — 2 cc			

CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*	Cavity *Cavità*
TC1	Plug for cavity *Tappo per cavità*			05 11 13
TC2	Plug for cavity *Tappo per cavità*			04 05 12 10

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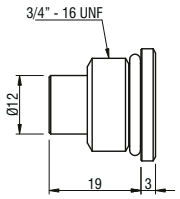
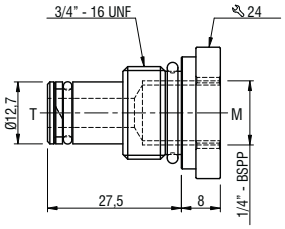
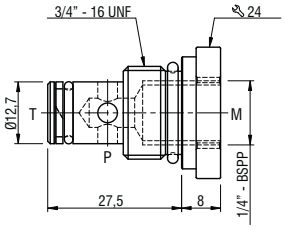
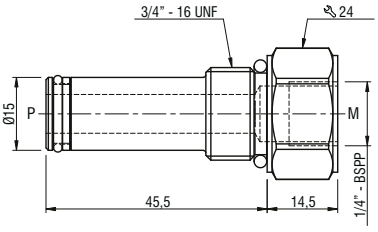
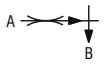
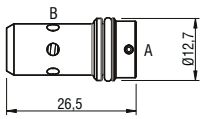
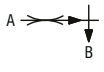
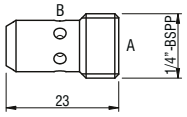
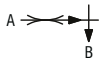
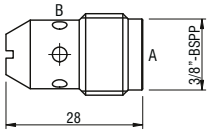
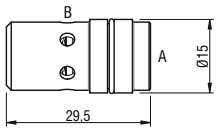
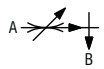
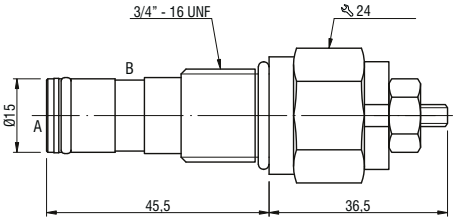
CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*	Cavity *Cavità*
TC3	Plug for cavity 04, with VRF35 *Tappo per cavità 04, con VRF35*			04
TS1	1/4" auxilary return port *Scarico ausiliario da 1/4"*			05 13
TM1	1/4" auxilary pressure port *Mandata ausiliaria da 1/4"*			05 13
TM3	1/4" auxilary pressure port *Mandata ausiliaria da 1/4"*			04

CODE	Description *Descrizione*				Symbol *Schema*	Drawing *Disegno*	Cavity *Cavità*
VRF12	Pressure compensated flow regulator *Valvola regolatrice di flusso compensata*						14
	CODE	l/min	CODE	l/min			
	1	1	6	6			
	2	2	7	7			
	3	3	8	8			
	4	4	9	9			
	5	5	10	10			
VRF14	Pressure compensated flow regulator *Valvola regolatrice di flusso compensata*						06
	CODE	l/min	CODE	l/min			
	1	1	6	6			
	2	2	7	7			
	3	3	8	8			
	4	4	9	9			
	5	5	10	10			
VRF38	Pressure compensated flow regulator *Valvola regolatrice di flusso compensata*						06
	CODE	l/min	CODE	l/min			
	2	2	11	11			
	3	3	12	12			
	4	4	13	13			
	5	5	14	14			
	6	6	15	15			
	7	7	16	16			
	8	8	18	18			
	9	9	20	20			
	10	10					
VRF35	Pressure compensated flow regulator *Valvola regolatrice di flusso compensata*						04
	CODE	l/min	CODE	l/min			
	2	2	11	11			
	3	3	12	12			
	4	4	13	13			
	5	5	14	14			
	6	6	15	15			
	7	7	16	16			
	8	8	18	18			
	9	9	20	20			
	10	10					
VRF3R	Adjustable pressure compensated flow regulator *Valvola regolatrice di flusso compensata regolabile*						04
	Max working pressure *Pressione max di lavoro*			250 bar			
	Regulated flow rate *Campo di regolazione*			2 - 16 l/min			

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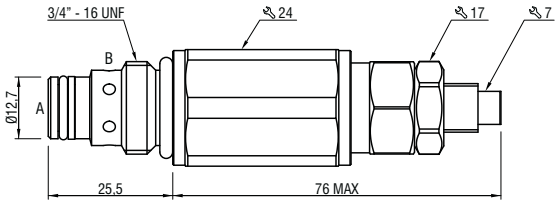
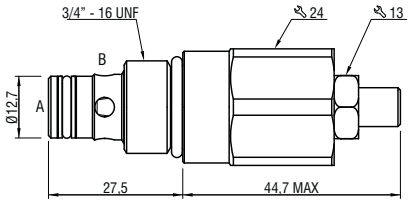
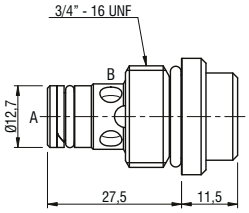
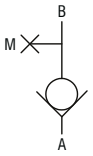
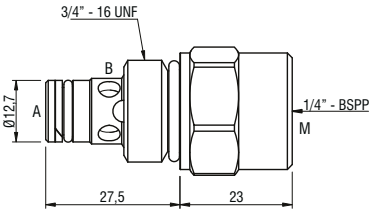
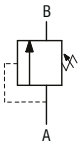
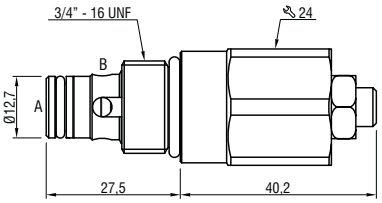
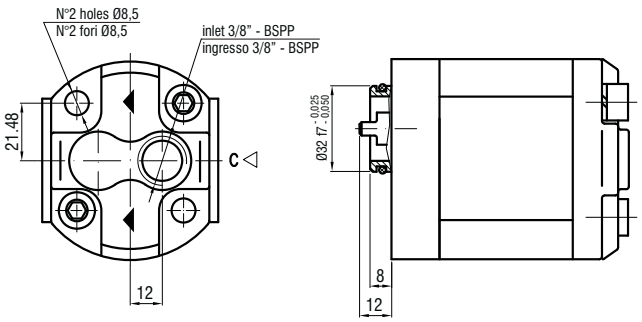
CODE	Description *Descrizione*		Symbol *Schema*	Drawing *Disegno*	Cavity *Cavità*
VRF1R	Adjustable pressure compensated flow regulator *Valvola regolatrice di flusso compensata regolabile*				
	Max working pressure *Max pressione di lavoro*	350 bar			
	Max flow rate *Max portata*	20 l/min			
RFR1	Bidirectional flow control valve *Valvola bidirezionale di controllo flusso*				13
	Max working pressure *Max pressione di lavoro*	300 bar			
	Max flow rate *Max portata*	30 l/min			
VU1	Cartridge check valve *Valvola unidirezionale a cartuccia*				12
VU1M	Cartridge check valve with pressure port 1/4" BSPP *Valvola unidirezionale a cartuccia con attacco di pressione da 1/4" BSPP*				12
VMC1-	Direct acting relief valve with guided poppet *Valvola di massima diretta con spillo guidato*				11
	Maximum flow rate *Portata massima*	25 l/min			
	VMC1 - W	10 - 60 bar			
	VMC1 - X	30 - 150 bar			
	VMC1 - Y	50 - 250 bar			
	VMC1 - Z	80 - 360 bar			

Pump group 1 (clockwise rotation)
Pompa gruppo 1 (rotazione oraria)

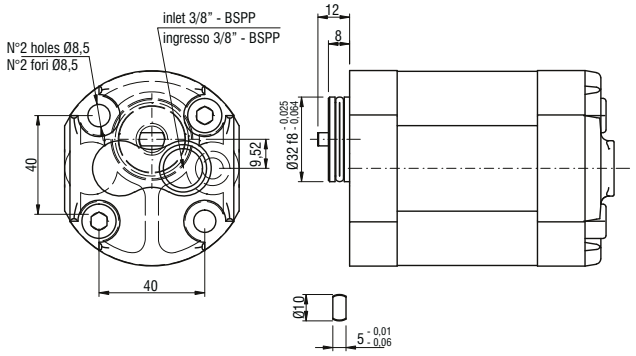
CODE	Displacement *Cilindrata* [cm³/rev]	Flow at 1500 rpm *Portata a 1500 giri/1'* [l/min]	P1 Continuous max pressure *Pressione max continua* [bar]	P3** Peak max pressure *Pressione max di picco* [bar]	Max speed *Velocità max* [rpm]
P100	1,00	1,40	200	230	3500
P102	1,25	1,74	200	230	3500
P103	1,60	2,23	200	230	3500
P104	2,00	2,82	200	230	3500
P105	2,50	3,53	200	230	3500
P107	3,15	4,44	200	230	3500
P108	3,65	5,15	180	200	3500
P109	4,20	5,92	180	200	3500



**: P3 peak pressure max for 2 seconds - *P3 pressione massima raggiungibile per 2 secondi*

Pump group 1 (clockwise rotation)
Pompa gruppo 1 (rotazione oraria)

CODE	Displacement *Cilindrata* [cm³/rev]	Flow at 1500 rpm *Portata a 1500 giri/1'* [l/min]	P1 Continuous max pressure *Pressione max continua* [bar]	P3** Peak max pressure *Pressione max di picco* [bar]	Max speed *Velocità max* [rpm]
PG01	1,00	1,40	250	330	3500
PG02	1,25	1,74	250	330	3500
PG03	1,60	2,23	250	330	3500
PG04	2,00	2,82	250	330	3500
PG05	2,50	3,53	250	330	3500
PG07	3,15	4,44	250	330	3500
PG08	3,65	5,15	250	300	3500
PG09	4,20	5,92	250	300	3500
PG11	5,00	7,05	250	300	3000
PG12	5,70	8,12	200	260	3000
PG13	6,10	8,69	180	250	2500
PG14	7,40	10,55	180	230	2500
PG15	8,00	11,40	150	200	2000
PG16	8,50	12,11	150	200	2000
PG17	9,80	13,97	120	170	2000



**: P3 peak pressure max for 2 seconds - *P3 pressione massima raggiungibile per 2 secondi*

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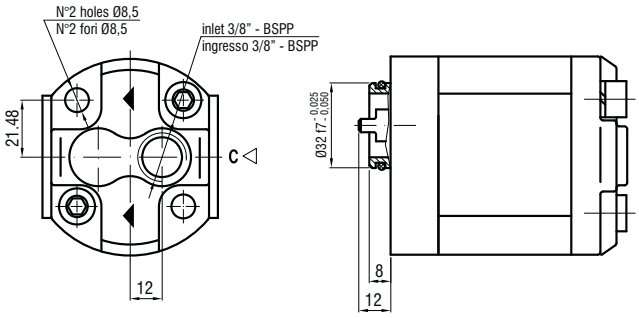
Low noise pump group 1 (clockwise rotation)
Pompa silenziosa gruppo 1 (rotazione oraria)

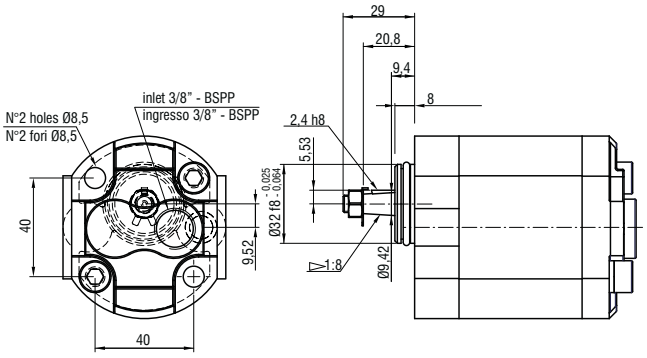
CODE	Displacement *Cilindrata* [cm³/rev]	Flow at 1500 rpm *Portata a 1500 giri/1'* [l/min]	P1 Continuous max pressure *Pressione max continua* [bar]	Max speed *Velocità max* [rpm]	Noise level* *Livello di rumore** [db]
PS03	1,60	2,18	250	3500	49
PS04	2,00	2,85	250	3500	52
PS05	2,50	3,56	250	3500	49
PS07	3,15	4,49	250	3500	50
PS08	3,65	5,20	250	3500	51
PS09	4,20	5,99	250	3500	53
PS11	5,00	7,13	250	3000	56
PS12	5,70	8,12	200	3000	54
PS13	6,10	8,69	200	2500	54
PS14	7,40	10,55	180	2500	54
PS15	8,00	11,40	150	2000	54
PS16	8,50	12,11	150	2000	53



*Noise level measured at 2000 rpm at P_Max - *Livello di rumore misurato a 2000 rpm a P_Max*

Pump group 1 tapered shaft (clockwise rotation)
Pompa gruppo 1 ad albero conico (rotazione oraria)

CODE	Displacement *Cilindrata* [cm³/rev]	Flow at 1500 rpm *Portata a 1500 giri/1'* [l/min]	P1 Continuous max pressure *Pressione max continua* [bar]	P3** Peak max pressure *Pressione max di picco* [bar]	Max speed *Velocità max* [rpm]
PC01	1,00	1,40	250	330	3500
PC02	1,25	1,74	250	330	3500
PC03	1,60	2,23	250	330	3500
PC04	2,00	2,82	250	330	3500
PC05	2,50	3,53	250	330	3500
PC07	3,15	4,44	250	330	3500
PC08	3,65	5,15	250	300	3500
PC09	4,20	5,92	250	300	3500
PC11	5,00	7,05	250	300	3000
PC12	5,70	8,12	200	260	3000
PC13	6,10	8,69	180	250	2500
PC14	7,40	10,55	180	230	2500
PC15	8,00	11,40	150	200	2000
PC16	8,50	12,11	150	200	2000
PC17	9,80	13,97	120	170	2000



**: P3 peak pressure max for 2 seconds - *P3 pressione massima raggiungibile per 2 secondi*

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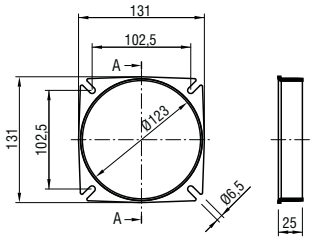
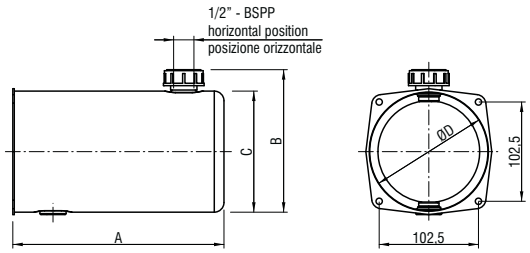
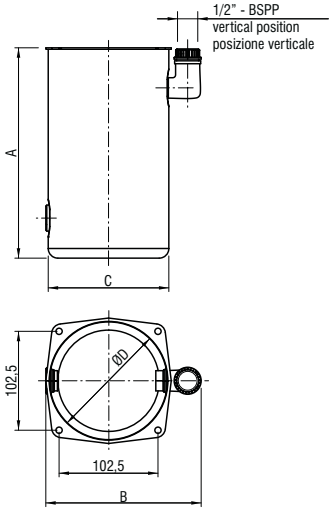
Steel collar for tanks
Collare per serbatoi

CODE						Drawing *Disegno*
SL0						

Steel tanks horizontal version
Serbatoi in lamiera versione orizzontale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Drawing *Disegno*
SL01H	1	139	148	125	123	
SL03H	2	218	148	125	123	
SL04H	3	290	148	125	123	

Steel tanks vertical version
Serbatoi in lamiera versione verticale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Drawing *Disegno*
SL01V	1	139	161	125	123	
SL03V	2	218	161	125	123	
SL04V	3	290	161	125	123	

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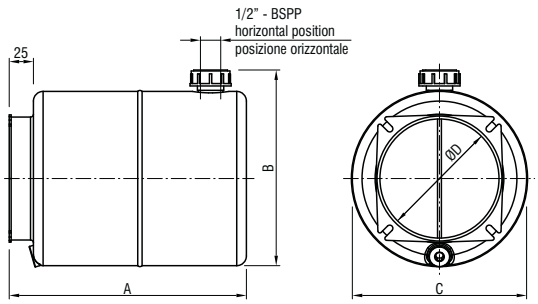
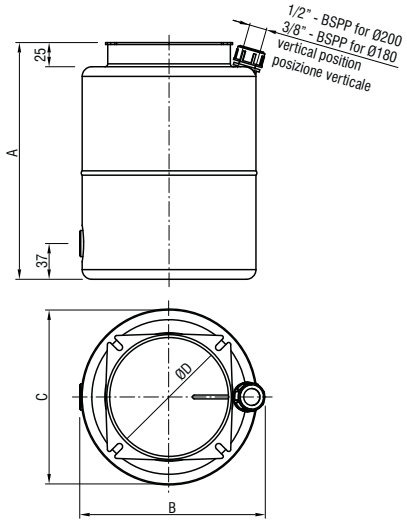
Steel tanks horizontal version
Serbatoi in lamiera versione orizzontale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Drawing *Disegno*
SL44H	4	205	202	180	123	
SL45H	5	245	202	180	123	
SL47H	7	325	202	180	123	
SL48H	8	365	202	180	123	
SL65H	5	215	222	200	123	
SL67H	7	248	222	200	123	
SL68H	8	295	222	200	123	
SL70H	10	365	222	200	123	
SL72H	12	435	222	200	123	

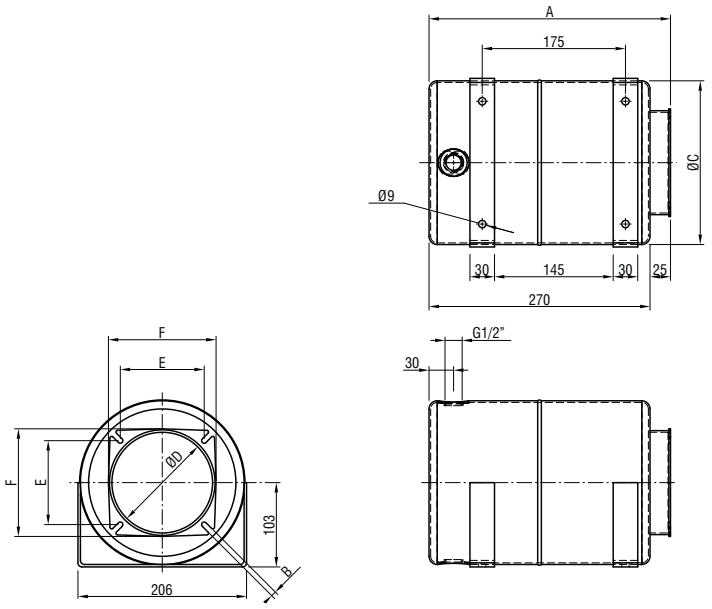
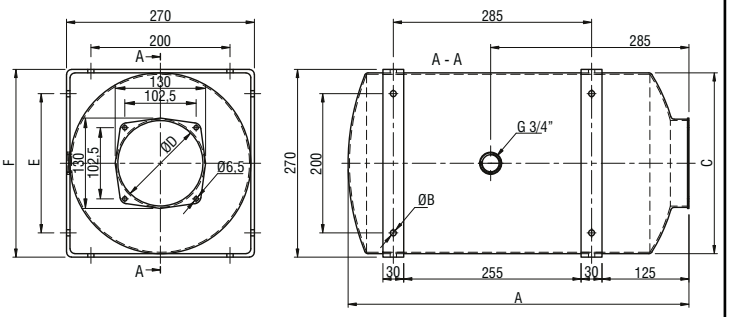
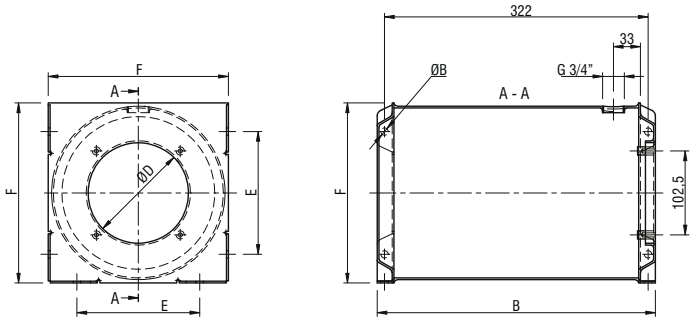
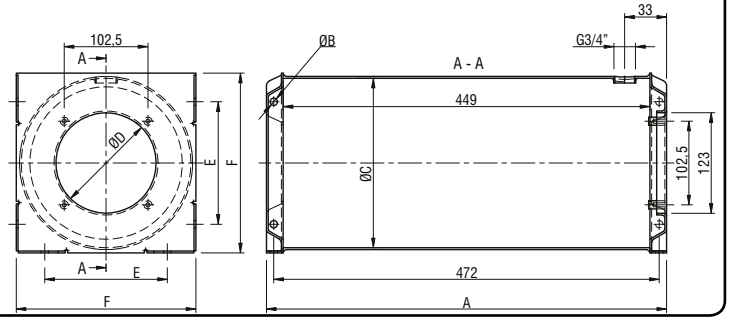


Steel tanks vertical version
Serbatoi in lamiera versione verticale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Drawing *Disegno*
SL44V	4	205	191	180	123	
SL45V	5	245	191	180	123	
SL47V	7	325	191	180	123	
SL48V	8	365	191	180	123	
SL65V	5	215	207	200	123	
SL67V	7	248	207	200	123	
SL68V	8	295	207	200	123	
SL70V	10	365	207	200	123	
SL72V	12	435	207	200	123	



Steel tanks
Serbatoi in lamiera

CODE	Tank capacity *Volume* [l]	A	B	C	D	E	F	Drawing *Disegno*
SL60	8	295	6.5	200	123	102.5	131	
SL12	23	490	9	260	123	200	270	
SL13	10	340	9	212	123	150	220	
SL14	15	490	9	212	123	150	220	

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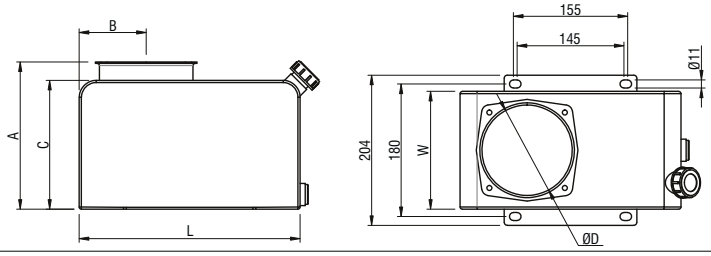
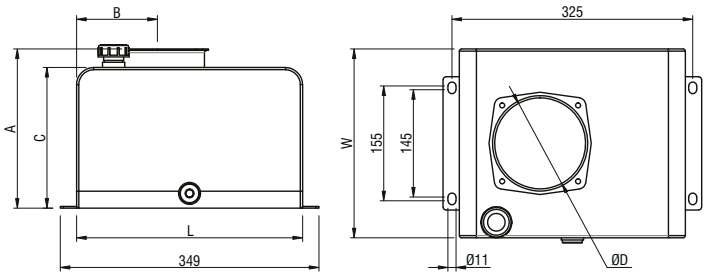
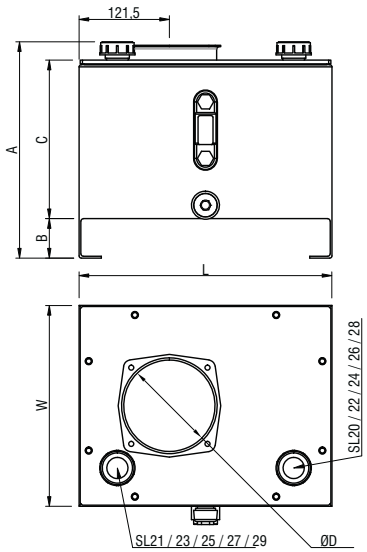
Steel tanks
Serbatoi in lamiera

CODE	Tank capacity *Volume* [l]	A	B	C	D	W	L	Drawing *Disegno*
SL30	7	200	91	175	123	160	300	
SL31	12	210	109	185	123	255	305	
SL32	15	260	109	235	123	255	305	
SL33	20	335	109	310	123	255	305	

Steel tanks
Serbatoi in lamiera

CODE	Tank capacity *Volume* [l]	A	B	C	D	W	L	Drawing *Disegno*
SL20	20	285	53	207	123	270	340	
SL21								
SL22	30	405	58	322	123	270	340	
SL23								
SL24	45	344	58	261	123	320	540	
SL25								
SL26	60	435	58	352	123	320	540	
SL27								
SL28	90	645	60	557	123	320	540	
SL29								

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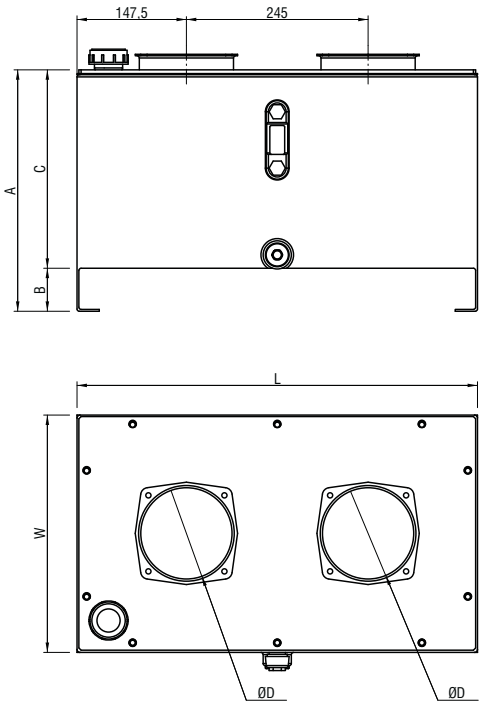
Steel tanks
Serbatoi in lamiera

CODE	Tank capacity *Volume* [l]	A	B	C	D	W	L	Drawing *Disegno*
SL37	45	334	58	261	123	320	540	
SL38	60	435	58	352	123	320	540	
SL39	90	645	60	557	123	320	540	

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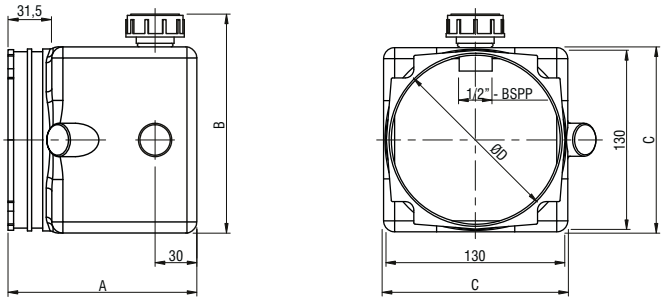
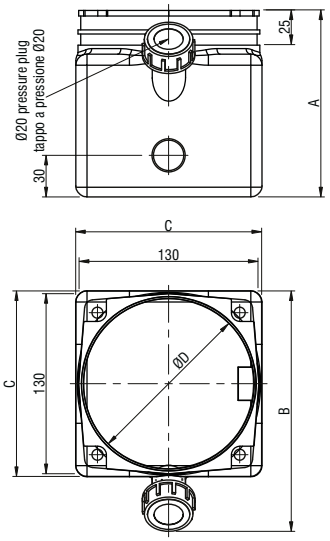
Plastic tanks: horizontal version
Serbatoi in plastica: versione orizzontale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Tanks characteristics
SP01D	1	135	158	134	123	Temperature range: -15°C ÷ 70°C Materials: HDPE & PP (polypropilene) Color: neutral trasparent
SP02D	1,8	180	158	134	123	
SP03D	2,5	240	158	134	123	
SP04D	3,5	280	158	134	123	
SP05D	4,0	330	158	134	123	



Plastic tanks: vertical version
Serbatoi in plastica: versione verticale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Tanks characteristics
SP01V	1	135	174	134	123	Temperature range: -15°C ÷ 70°C Materials: HDPE & PP (polypropilene) Color: neutral trasparent
SP02V	1,8	180	174	134	123	
SP03V	2,5	240	174	134	123	
SP04V	3,5	280	174	134	123	
SP05V	4,0	330	174	134	123	



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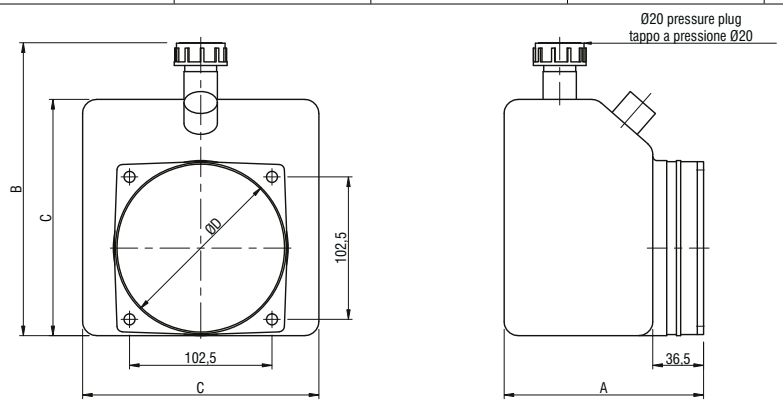
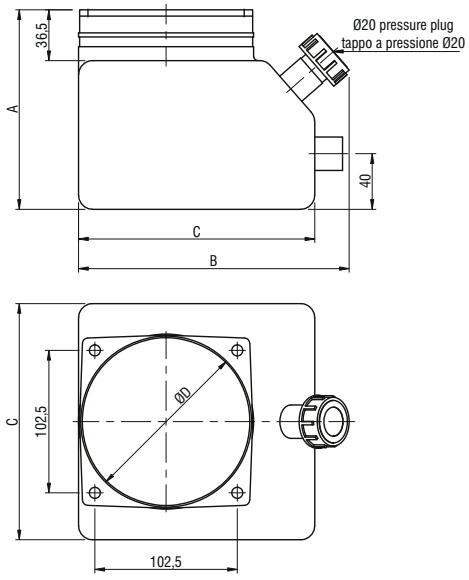
Plastic tanks: horizontal version
Serbatoi in plastica: versione orizzontale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Tanks characteristics
SP06H	1.5	145	211	170	123	Temperature range: -15°C ÷ 70°C Materials: HDPE & PP (polypropilene) Color: neutral trasparent
SP07H	3	200	211	170	123	
SP08H	5	287	211	170	123	
SP09H	8	377	211	170	123	
SP10H	12	520	211	170	123	



Plastic tanks: vertical version
Serbatoi in plastica: versione verticale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Tanks characteristics
SP06V	1.5	145	195	170	123	Temperature range: -15°C ÷ 70°C Materials: HDPE & PP (polypropilene) Color: neutral trasparent
SP07V	3	200	195	170	123	
SP08V	5	287	195	170	123	
SP09V	8	377	195	170	123	
SP10V	12	520	195	170	123	



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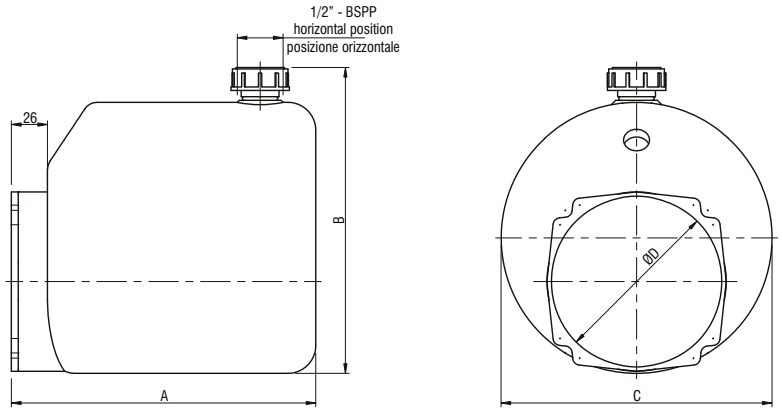
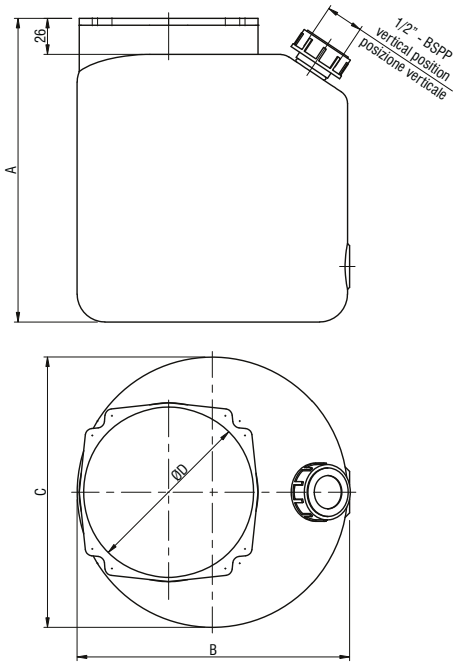
Plastic tanks: horizontal version
Serbatoi in plastica: versione orizzontale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Tanks characteristics
SP15H	5	219	220	Ø195	123	Temperature range: -15°C ÷ 70°C Materials: HDPE & PP (polypropilene) Color: neutral trasparent
SP16H	7	271	220	Ø195	123	
SP17H	8	323	220	Ø195	123	
SP18H	11	453	220	Ø195	123	



Plastic tanks: vertical version
Serbatoi in plastica: versione verticale

CODE	Tank capacity *Volume* [l]	A	B	C	D	Tanks characteristics
SP15V	5	219	197	Ø195	123	Temperature range: -15°C ÷ 70°C Materials: HDPE & PP (polypropilene) Color: neutral trasparent
SP16V	7	271	197	Ø195	123	
SP17V	8	323	197	Ø195	123	
SP18V	11	453	197	Ø195	123	



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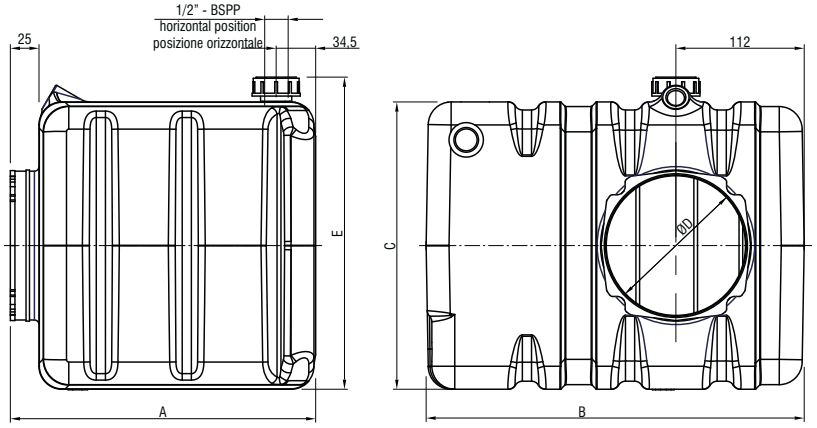
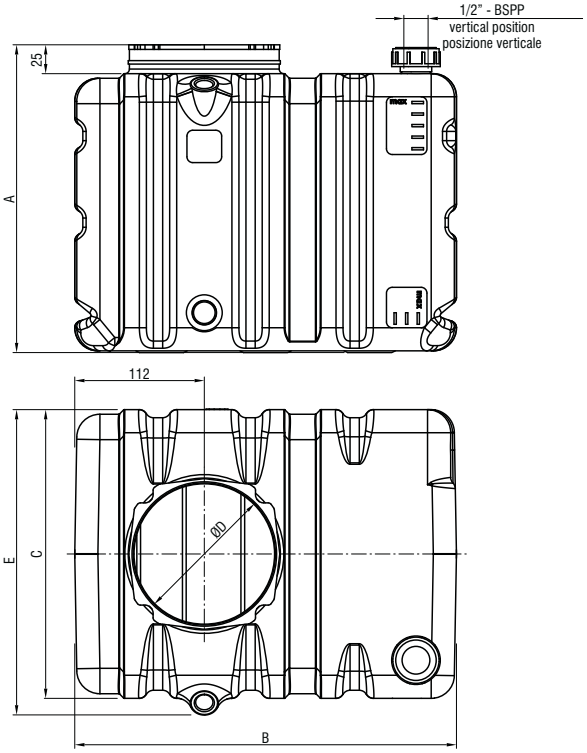
Plastic tanks: horizontal version
Serbatoi in plastica: versione orizzontale

CODE	Tank capacity *Volume* [l]	A	B	C	D	E	Tanks characteristics
SP30H	10	192	330	250	123	271	Temperature range: -15°C ÷ 70°C Materials: HDPE & PP (polypropilene) Color: neutral trasparent
SP31H	12	217	330	250	123	271	
SP32H	15	267	330	250	123	271	
SP33H	20	332	330	250	123	271	



Plastic tanks: vertical version
Serbatoi in plastica: versione verticale

CODE	Tank capacity *Volume* [l]	A	B	C	D	E	Tanks characteristics
SP30V	10	192	330	250	123	264	Temperature range: -15°C ÷ 70°C Materials: HDPE & PP (polypropilene) Color: neutral trasparent
SP31V	12	217	330	250	123	264	
SP32V	15	267	330	250	123	264	
SP33V	20	332	330	250	123	264	



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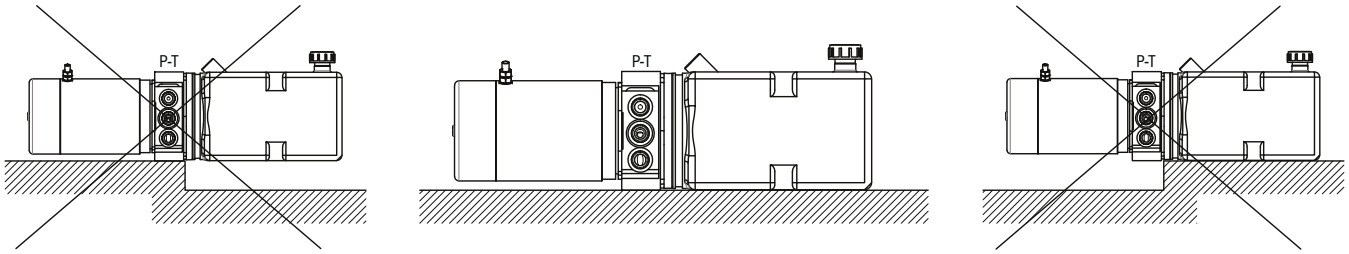
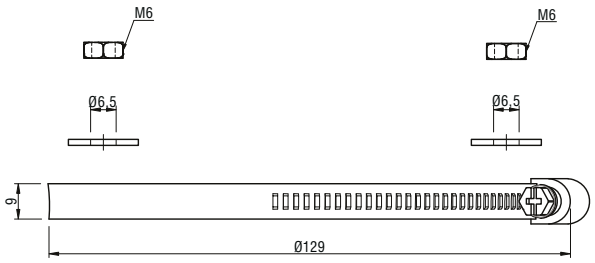
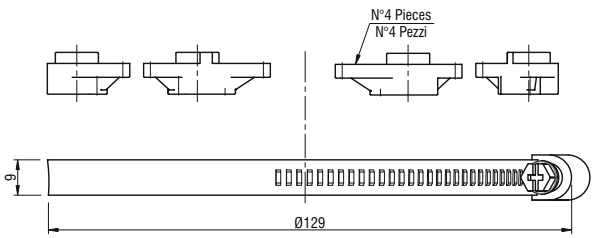
Correct mounting position for plastic tanks
Corretta posizione di montaggio per serbatoi in plastica



Tanks mounting kit
Kit fissaggio serbatoi

CODE	Tank type *Tipo serbatoio*	Drawing *Disegno*
KS1	SP06 - SP07 - SP08 - SP09 - SP10	
KS2	SP01 - SP02 - SP03 - SP04 - SP05 SP15 - SP16 - SP17 - SP18 SP30 - SP31 - SP32 - SP33	

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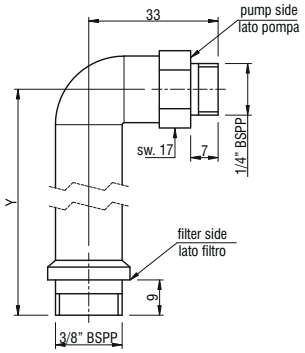
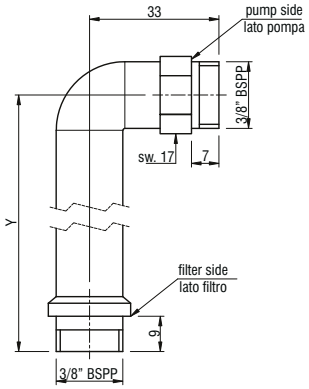
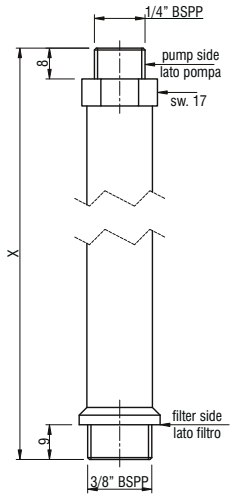
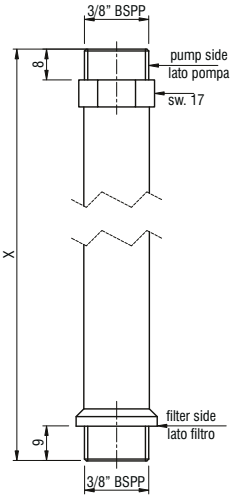
Plastic suction pipes for horizontal tanks
Tubi di aspirazione in plastica per serbatoi orizzontali

CODE		Y [mm]	4C series	8C series
4C35	**8C35**	35		
4C40	**8C40**	40		
4C50	**8C50**	50		
4C58	**8C58**	58		
4C68	**8C68**	68		
4C77	**8C77**	77		
4C89	**8C89**	89		

Plastic suction pipes for vertical tanks
Tubi di aspirazione in plastica per serbatoi verticali

CODE	X [mm]	4D series	CODE	X [mm]	8D series
4D30	30		**8D50**	50	
4D43	43		**8D75**	75	
4D72	72		**8D100**	100	
4D87	87		**8D125**	125	
4D96	96		**8D150**	150	
4D114	114		**8D170**	170	
4D132	132		**8D185**	185	
4D147	147		**8D200**	200	
4D172	172		**8D215**	215	
4D187	187		**8D230**	230	
4D222	222		**8D245**	245	
4D237	237		**8D260**	260	
			8D280	280	
			8D300	300	
			8D320	320	
			8D340	340	
			8D370	370	

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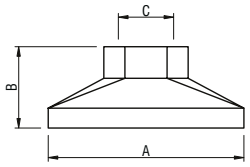
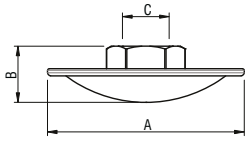
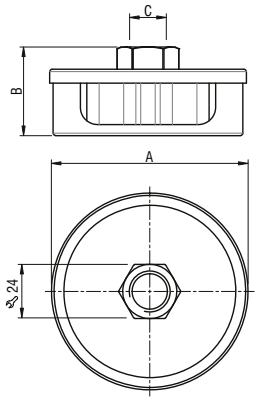
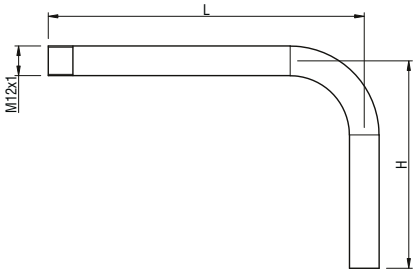
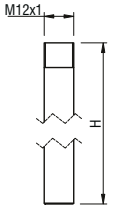
Suction filters
Filtri in aspirazione

CODE	A [mm]	B [mm]	C [mm]	Flow *Portata* [mm]	Filtering *Filtraggio*	Drawing *Disegno*
FP01	59	24,5	1/4"	15	90•	
FP02	59	24,5	3/8"	15	90•	
FM01	Ø63	18,5	1/4"	5	90•	
FM02	Ø63	20	3/8"	8	90•	
FM21	Ø80	26	1/4"	8	90•	
FM22	Ø80	36	3/8"	10	90•	

Steel return pipes for horizontal tanks
Tubi di scarico in acciaio per serbatoi orizzontali

CODE	L [mm]	H [mm]	Drawing *Disegno*
SC128	128	84	
SC114	114	39	
SC164	164	84	

Steel return pipes for vertical tanks
Tubi di scarico in acciaio per serbatoi verticali

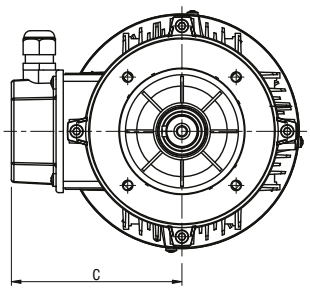
CODE	H [mm]	Drawing *Disegno*
SD080	80	
SD150	150	
SD200	200	
SD300	300	
SD400	400	

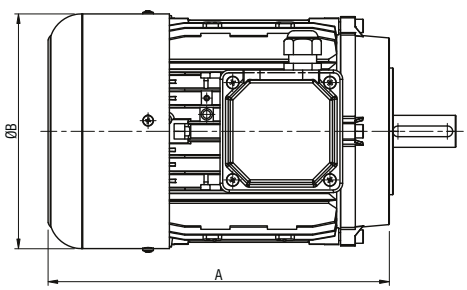
AC single-phase motor 220V - 50Hz - Frame B14 - IP54 - Duty cycle S1
Motore CA monofase 220V - 50Hz - Tipologia costruttiva B14 - IP54 - Servizio S1

CODE	Power *Potenza* [kW]	Nom. Current *Corrente nominale* [A]	C_{start} / $C_{nom.}$	MEC	A	ØB	C	C_{start} / $C_{nom.}$	Nom. Current *Corrente nominale* [A]	Power *Potenza* [kW]	CODE
2 poles motors (2900 rpm at 50 Hz)								4 poles motors (1450 rpm at 50 Hz)			
M204	0.37	2,56	0,8	71	218	140	109	0.7	2,26	0.25	**M403**
M205	0.55	3,75	0,7	71	218	140	109	0.8	3,00	0.37	**M404**
M206	0.75	5,10	0,7	80	237	156	123	0.8	3,70	0.55	**M405**
M207	1.1	7,35	0,8	80	237	156	123	0,7	5,40	0.75	**M406**
M208	1.5	9,60	0,9	90	255	178	128	0,7	7,23	1.1	**M407**
M210	2.2	13,43	0,6	90	279	178	128	0,9	10,10	1.5	**M408**
				100	279	178	128	0,6	15,16	2.2	

AC three-phase motor 230-400V - 50Hz - Frame B14 - IP54 - Duty cycle S1
Motore CA trifase 230-400V - 50Hz - Tipologia costruttiva B14 - IP54 - Servizio S1

CODE	Power *Potenza* [kW]	Nom. Current *Corrente nominale* [A]	C_{start} / $C_{nom.}$	MEC	A	ØB	C	C_{start} / $C_{nom.}$	Nom. Current *Corrente nominale* [A]	Power *Potenza* [kW]	CODE
2 poles motors (2900 rpm at 50 Hz)								4 poles motors (1450 rpm at 50 Hz)			
T204	0.37	1,00	2,2	71	218	140	109	2,0	0,96	0.25	**T403**
T205	0.55	1,40	2,6	71	218	140	109	2,0	1,20	0.37	**T404**
T206	0.75	1,90	2,8	80	237	156	123	2,2	1,60	0.55	**T405**
T207	1.1	2,80	2,6	80	237	156	123	2,2	2,00	0.75	**T406**
T208	1.5	3,40	2,7	90	255	178	128	2,5	2,80	1.1	**T407**
T210	2.2	5,10	4,0	90	279	178	128	3,0	3,70	1,50	**T408**
T211	3	6,00	3,3	100	279	178	128	2,3	5,30	2,2	**T410**
				100	309	194	137	2,3	6,70	3	**T411**
				112	331	219	150	2,5	9,40	4	**T412**





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Alternate current motors compact mounting style
Motori a corrente alternata flangia quadra

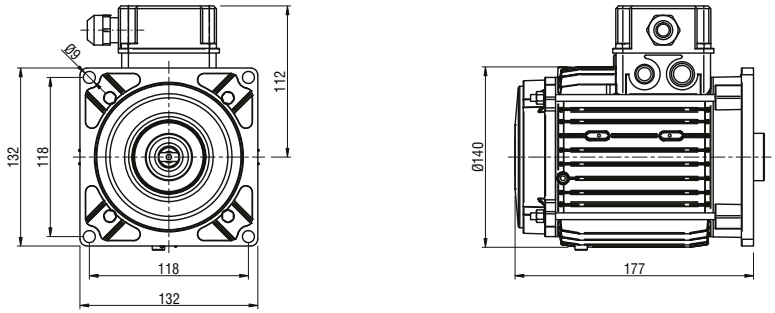
These motors are designed to reduce the overall dimensions and are suitable in three phase and single phase style, 2 or 4 poles, 50 or 60 Hz, with power range from 0,75 to 3 kW. Sizes MEC71 - MEC80 - MEC90, duty cycle S3 = 30%

Questi motori sono studiati per ridurre le dimensioni d' ingombro e sono disponibili in versione trifase e monofase, 2 o 4 poli, 50 o 60 Hz, con potenze da 0,75 a 3 kW. Grandezze MEC71 - MEC80 - MEC90, servizio S3 = 30%

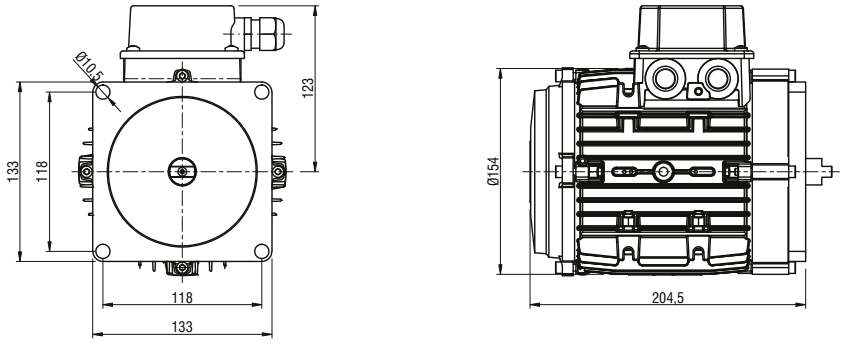
ORDERING CODE:

- add FQ after the standard motor code (example: T406FQ for AC three-phase motor 1,5kW - 4 poles)
- *aggiungere FQ dopo il codice del relativo motore standard (esempio: T406FQ per un motore trifase da 1,5kW - 4 poli)*

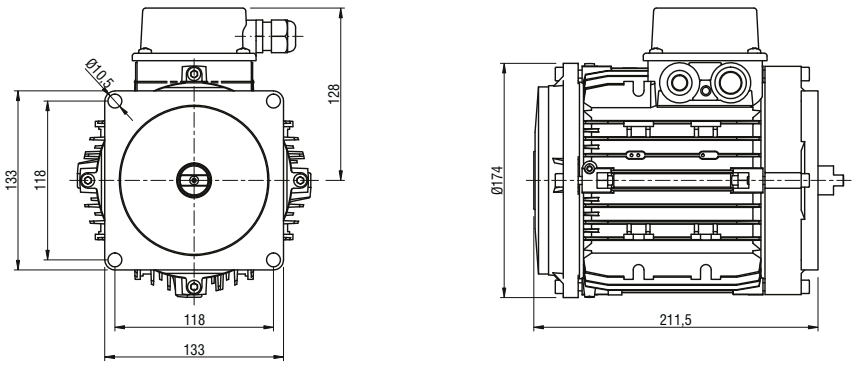
For further information, please contact our sales department
Per ulteriori informazioni, vi preghiamo di contattare il nostro ufficio commerciale



MEC71



MEC80

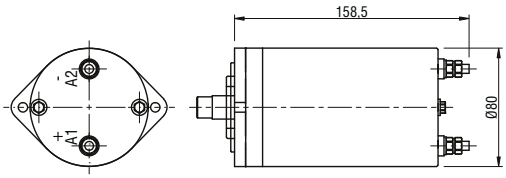
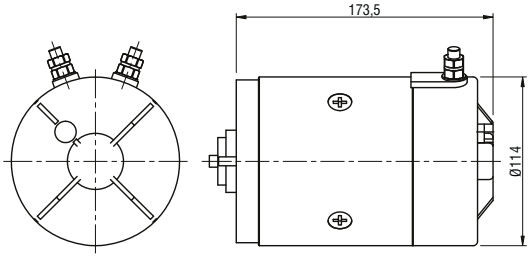
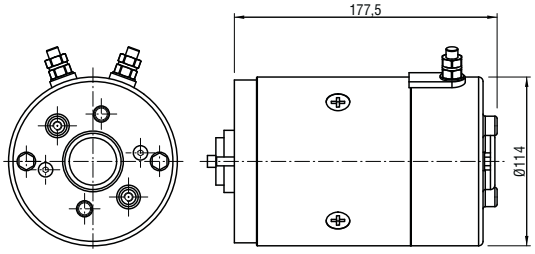
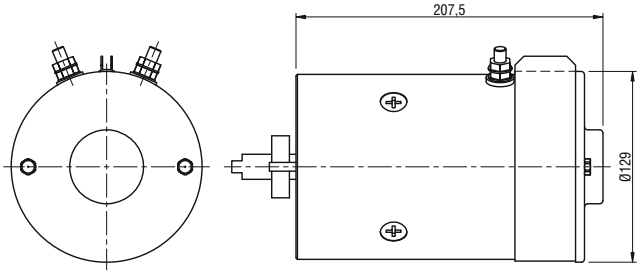


MEC90

ORDERING CODE:

- add FQ after the standard motor code (example: T406FQ for AC three-phase motor 1,5kW - 4 poles)
- *aggiungere FQ dopo il codice del relativo motore standard (esempio: T406FQ per un motore trifase da 1,5kW - 4 poli)*

Direct current motors
Motori corrente continua

CODE	Voltage *Tensione* [V]	Power *Potenza* [Watt]	Rpm *N° Giri*	S2 [min]	S3 [%]	Reversible *Reversibile*	Protection index *Indice di protezione*	Thermal switch *Termica*	Drawing *Disegno*
C102	12	500	2500	5	17	YES	IP44	NO	
C103	12	800	3500	4	9	YES	IP44	NO	
C118	12	500	2300	2	8	YES	IP54	YES	
C120	12	800	3600	2	8	YES	IP54	YES	
C202	24	500	2800	5	17	YES	IP44	NO	
C203	24	800	4000	2,5	8	YES	IP44	NO	
C218	24	500	2400	2	8	YES	IP54	YES	
C220	24	800	3600	2	8	YES	IP54	YES	
A104	12	1600	2600	2	10	NO	IP54	NO	
A105	12	1600	2600	2	10	NO	IP54	YES	
A204	24	2200	2600	2	5	NO	IP54	NO	
A205	24	2200	2600	2	5	NO	IP54	YES	
A115	12	1600	2600	2	8	NO	IP54	YES	
A215	24	2200	2600	2	5	NO	IP54	YES	
A402	48	2000	2400	3	12	NO	IP54	YES	
A106	12	2400	2600	3	12	NO	IP54	YES	
A206	24	3000	2600	4	8	NO	IP54	NO	
A207	24	3000	2600	4	8	NO	IP54	YES	

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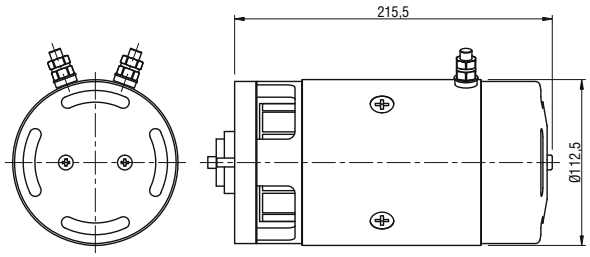
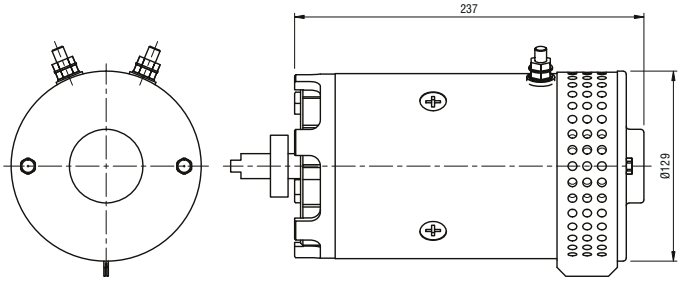
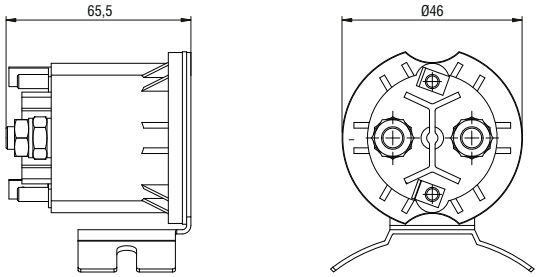
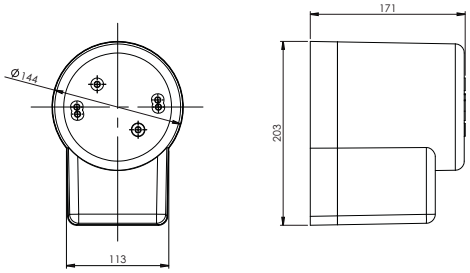
Fan cooled direct current motor
Motore corrente continua con ventilazione

CODE	Voltage *Tensione* [V]	Power *Potenza* [Watt]	Rpm *N° Giri*	S2 [min]	S3 [%]	Reversible *Reversibile*	Protection index *Indice di protezione*	Thermal switch *Termica*	Drawing *Disegno*
A230	24	2000	2200	5	10	NO	IP20	NO	
A231	24	3000	3300	6	16	NO	IP20	NO	

Starting relay
Teleruttore di avviamento

CODE	Voltage *Tensione* [V]	Nominal current *Corrente nominale* [A]	Short-time max. current *Corrente massima* [A]	Min.Cutting Voltage *Tensione min. distacco* [V]	Drawing *Disegno*
A	Without starting relay *Senza teleruttore di avviamento*				
B	12	150	250	6	
D	24	150	250	12	

Protection cover
Coperchio di protezione

CODE	Description *Descrizione*	Drawing *Disegno*
0	Without protection cover *Senza coperchio di protezione*	
1	With protection cover *Con coperchio di protezione*	

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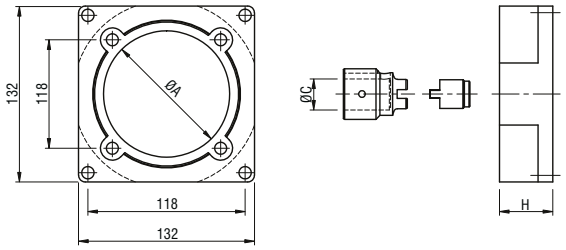
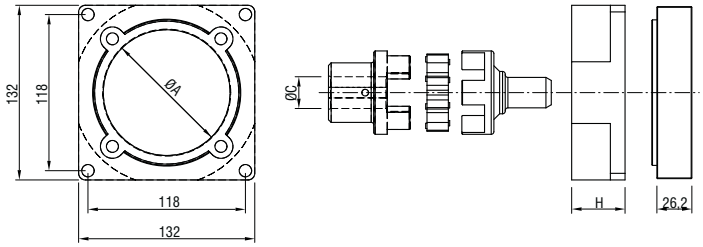
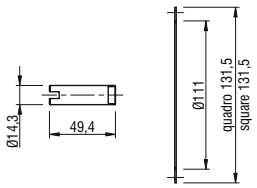
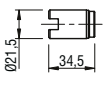
Junction elements for AC motors
Elementi di connessione per motori AC

CODE GR. 1	Motor codes *Sigle motori*	Size IEC	A (mm)	C (mm)	H (mm)	Drawing *Disegno*
FA71	M/T204 - M/T205 M/T403 - M/T404	71	70	14	20.5	
FA80	M/T206 - M/T207 M/T405 - M/T406	80	80	19	29	
FA90	M/T208 - M/T210 M/T407 - M/T408	90	95	24	40	
FA100	T211 - M/T410 T411	100	110	28	57	
	T412	112				

Junction elements for AC motors
Elementi di connessione per motori AC

CODE GR. 1	Motor codes *Sigle motori*	Size IEC	A (mm)	C (mm)	H (mm)	Drawing *Disegno*
FA71C	M/T204 - M/T205 M/T403 - M/T404	71	70	14	20.5	
FA80C	M/T206 - M/T207 M/T405 - M/T406	80	80	19	29	
FA90C	M/T208 - M/T210 M/T407 - M/T408	90	95	24	40	
FA100C	T211 - M/T410 T411	100	110	28	57	
	T412	112				

Junction elements for direct flanged AC motors
Elementi di connessione per motori AC a flangiatura diretta

CODE GR. 1	Motor codes *Sigle motori*	Size IEC	A (mm)	C (mm)	H (mm)	Drawing *Disegno*
FA01		71				
CODE GR. 1	Motor codes *Sigle motori*	Size IEC	A (mm)	C (mm)	H (mm)	Drawing *Disegno*
FA02		80 90				

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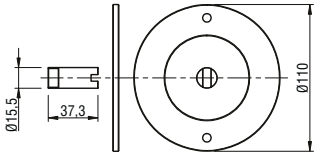
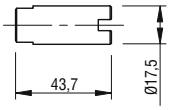
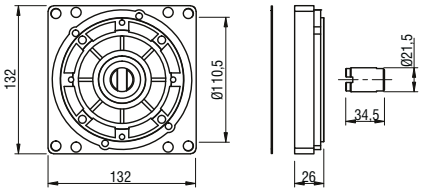
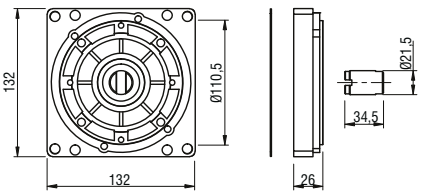
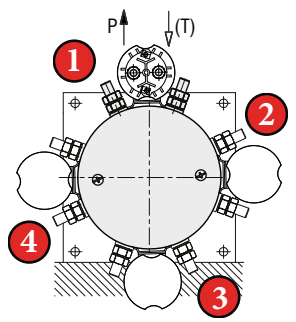
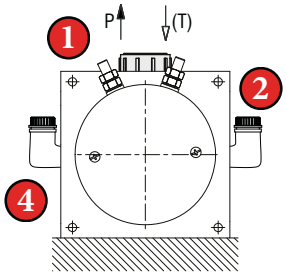
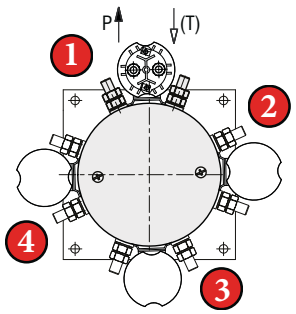
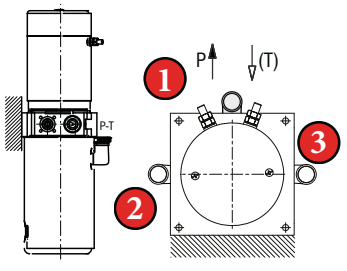
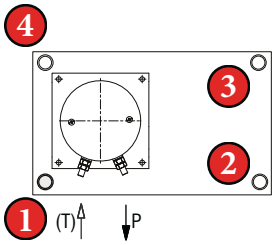
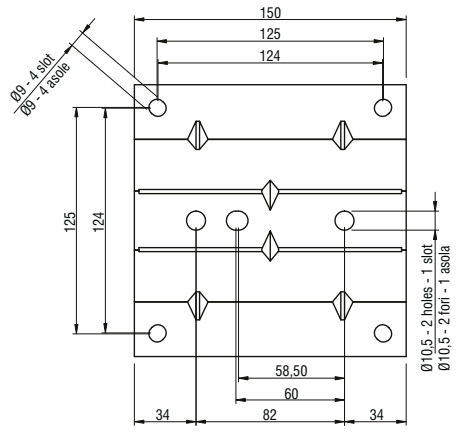
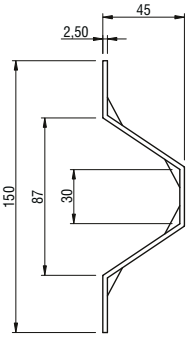
Junction elements for DC motors
Elementi di connessione per motori DC

CODE GR. 1	Motor codes *Sigle motori*	Drawing *Disegno*
FC01	C102-C103-C118-C120-C202-C203-C218-C220	**FC01**  **FC02** 
FC02	A104-A105-A115-A204-A205-A215-A230-A402	
FC03	A106 - A206 - A207	
FC04	A231	
FC03 		**FC04** 

Power pack mounting positions
Posizioni di montaggio della centralina

HORIZONTAL	Motor position *Posizione motore*	Tank position *Posizione serbatoio*
H	—	—
	 0 Without motor *No motore*	 0 Without tank *No serbatoio*
VERTICAL	Motor position *Posizione motore*	Tank position *Posizione serbatoio*
V	—	—
	 0 Without motor *No motore*	  0 Without tank *No serbatoio*

Mounting brackets
Supporto di montaggio

CODE	Drawing *Disegno*
G00	Without mounting bracket *Senza supporto di montaggio*
G01	 

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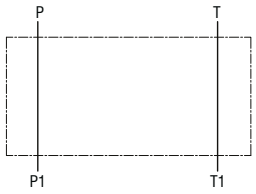
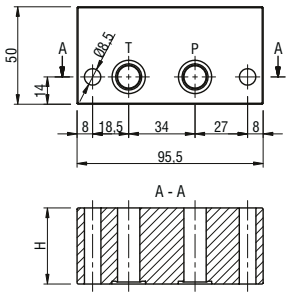
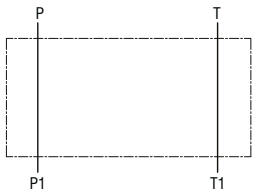
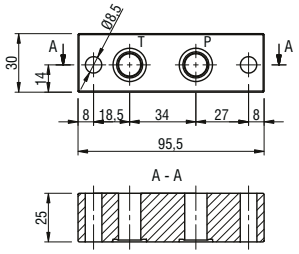
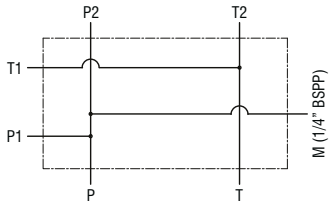
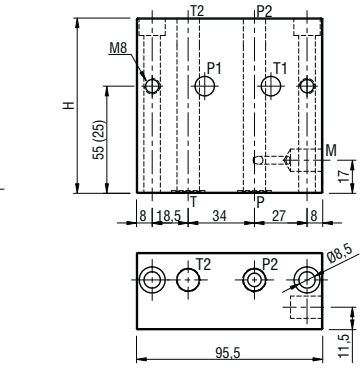
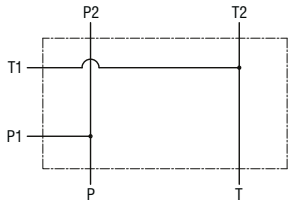
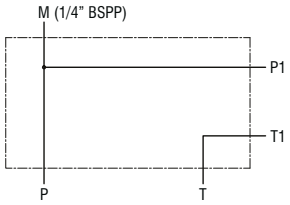
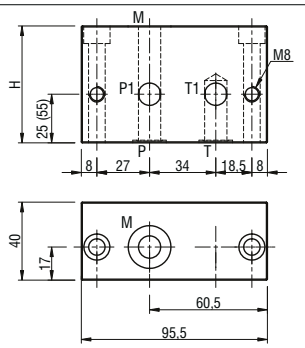
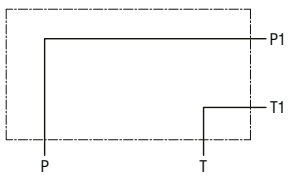
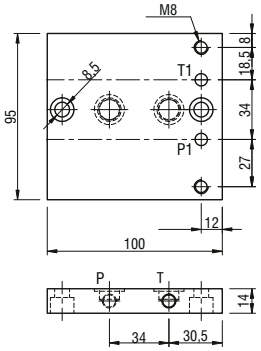
CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*
B09	Spacer element H=18 *Distanziale H=18*		
B01	Spacer element H=39 *Distanziale H=39*		
B02	Spacer element H=69 *Distanziale H=69*		
B92	Spacer element H=25 *Distanziale H=25*		
B15	Adaptor for motor side rotation of the modular block 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*		
B26	Adaptor for tank side rotation of the modular block H=60 *Adattatore per rotazione lato serbatoio dei blocchi modulari H=60*		
B76	Adaptor for tank side rotation of the modular block H=90 *Adattatore per rotazione lato serbatoio dei blocchi modulari H=90*		
B33	Adaptor for 90° rotation of the modular block *Adattatore per rotazione a 90° dei blocchi modulari*		

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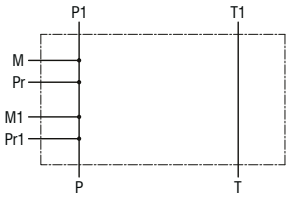
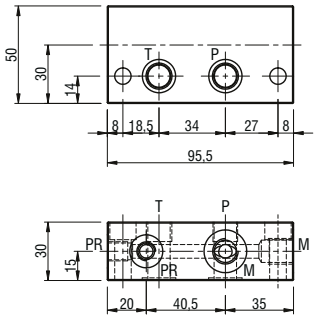
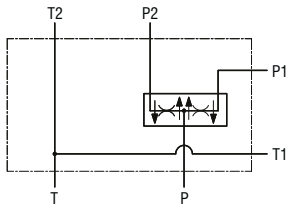
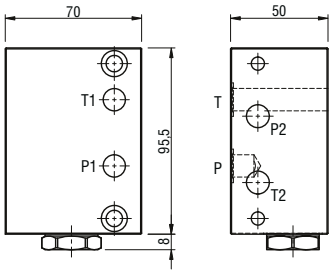
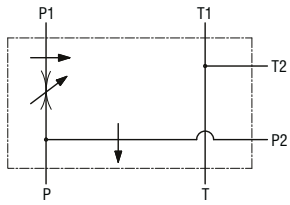
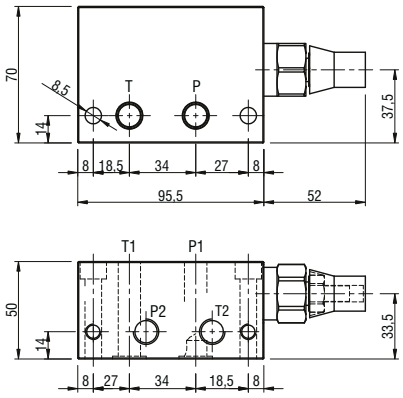
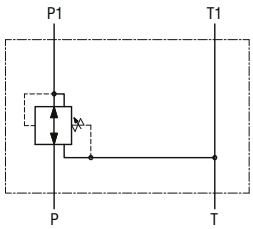
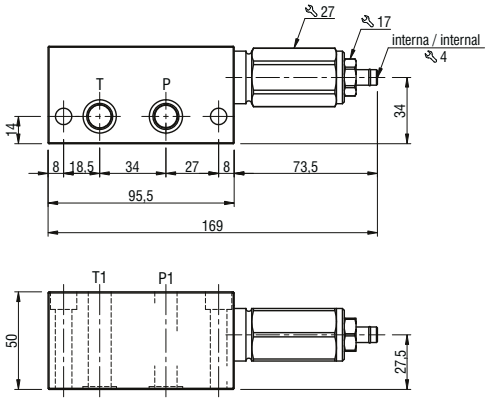
CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*
B128	Modular block with 4 extra P ports *Blocco modulare con 4 attacchi P supplementari*		
B30	Modular block with 50%÷50% flow divider valve *Blocco modulare con valvola divisore di flusso 50%÷50%*		
B41	Modular block with pressure compensated priority valve *Blocco modulare con valvola prioritaria compensata baricamente*		
B73	Modular block with pressure reducing valve Blocco modulare con valvola riduttrice di pressione		

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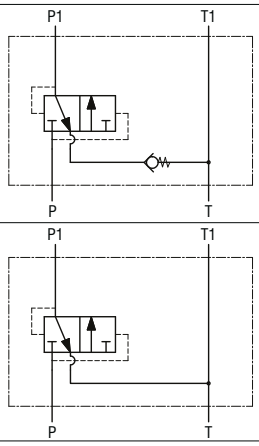
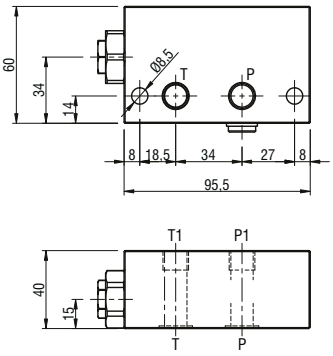
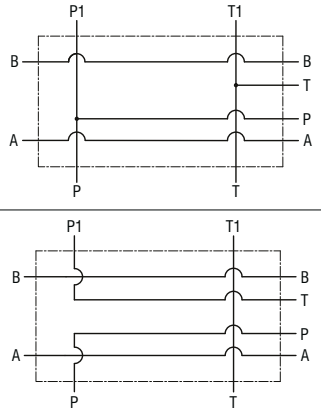
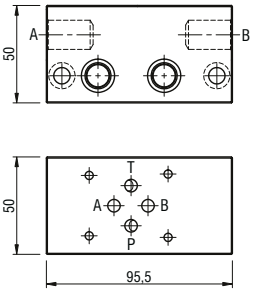
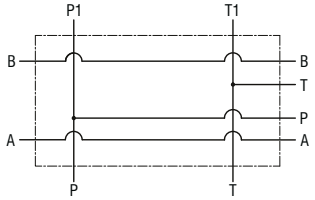
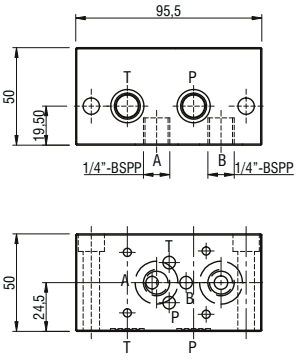
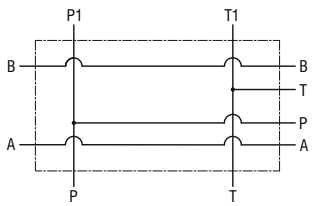
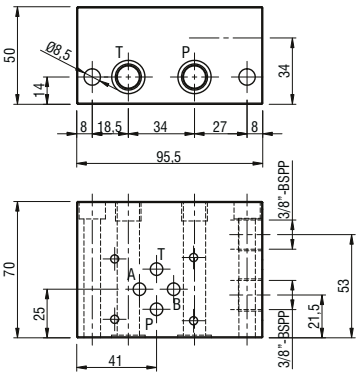
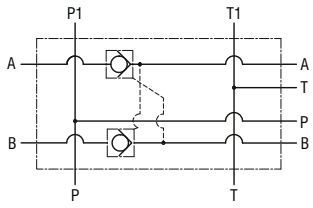
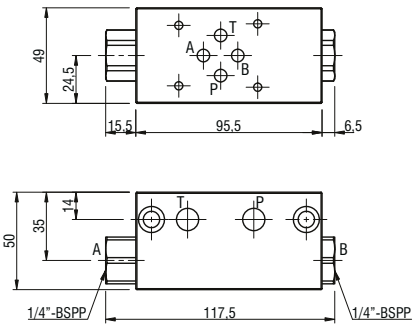
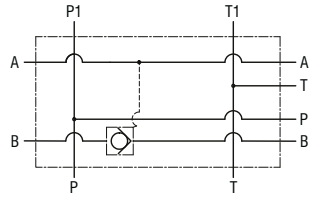
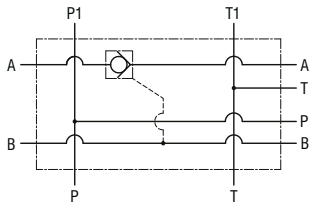
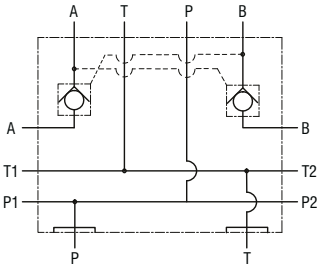
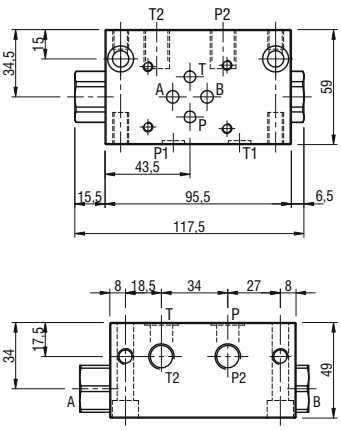
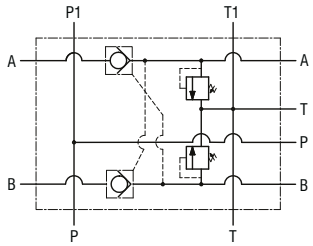
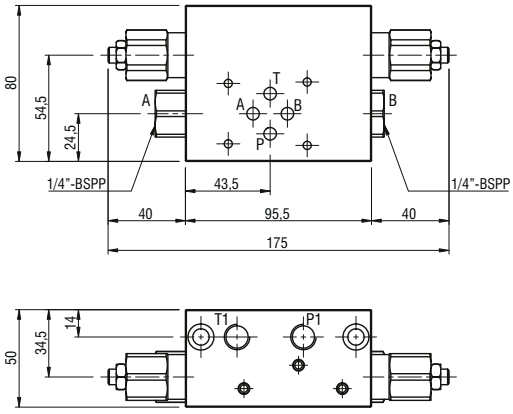
CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*
B259 A **B259 B**	Modular block with automatic unloading valve *Blocco modulare con valvola di messa a scarico automatica*		
B03 **B11**	Modular block for parallel or serial assembling of a CETOP3 - NG6 electrovalve *Blocco modulare per montaggio in parallelo o in serie di una elettrovalvola CETOP3 - NG6*		
B85	Modular block for parallel assembling of a CETOP3 - NG6 electrovalve *Blocco modulare per montaggio in parallelo di una elettrovalvola CETOP3 - NG6*		
B142	Modular block for parallel assembling of a CETOP3 - NG6 electrovalve *Blocco modulare per montaggio in parallelo di una elettrovalvola CETOP3 - NG6*		

CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*
B118	Modular block for parallel assembling of a CETOP3 - NG6 electrovalve with piloted operated check valves on A and B *Blocco modulare per montaggio in parallelo di una elettrovalvola CETOP3 - NG6 con valvole di ritegno pilotate su A e B*		
B122			
B123			
B90	Modular block for parallel assembling of a CETOP3 - NG6 electrovalve with piloted operated check valves on A and B *Blocco modulare per montaggio in parallelo di una elettrovalvola CETOP3 - NG6 con valvole di ritegno pilotate su A e B*		
B121	Modular block for parallel assembling of a CETOP3 - NG6 electrovalve with piloted operated check valves an relief valves on A and B *Blocco modulare per montaggio in parallelo di una elettrovalvola CETOP3 - NG6 con valvole di ritegno pilotate e valvole di massima su A e B*		

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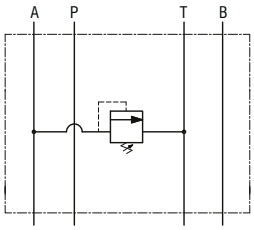
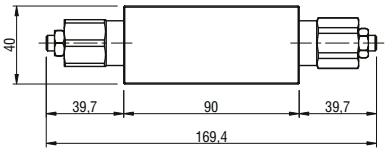
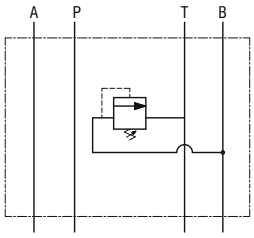
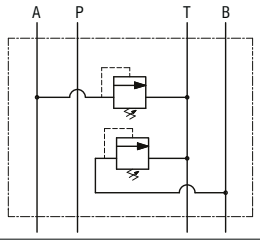
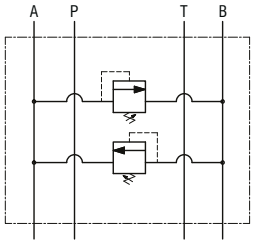
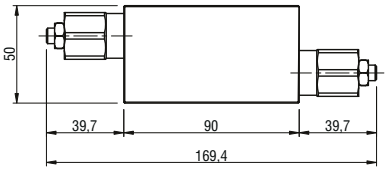
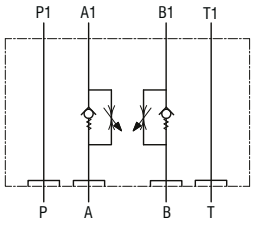
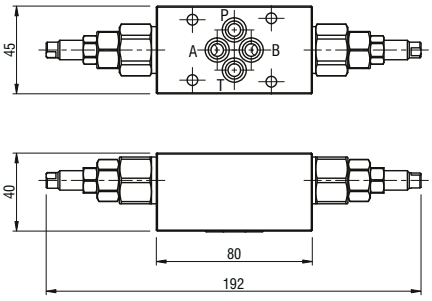
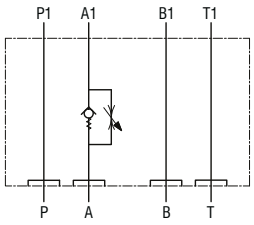
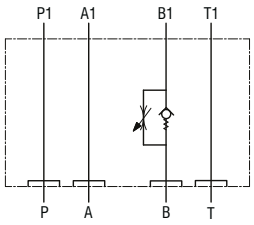
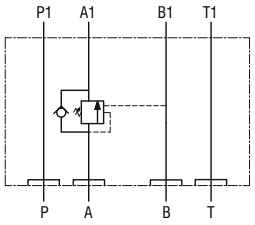
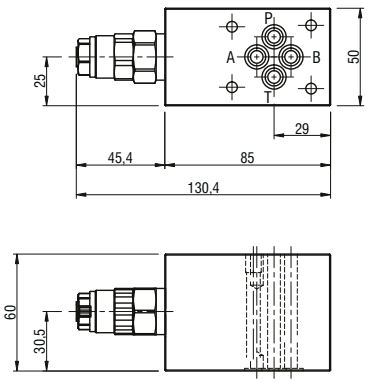
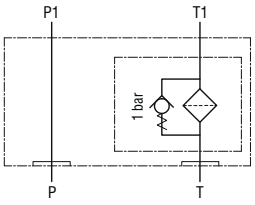
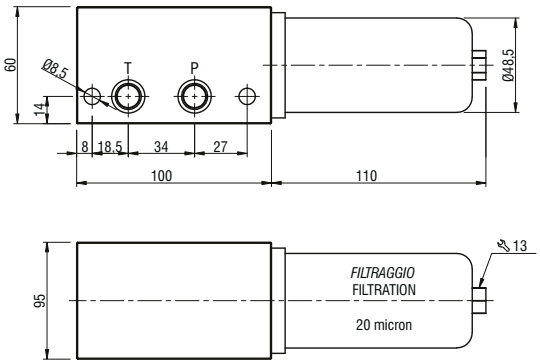
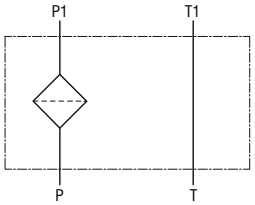
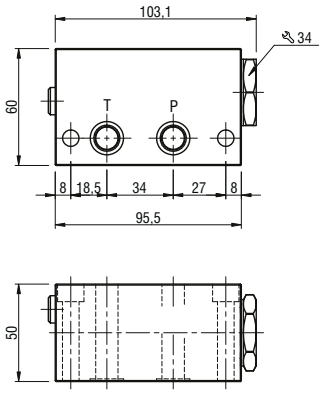
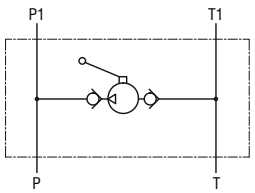
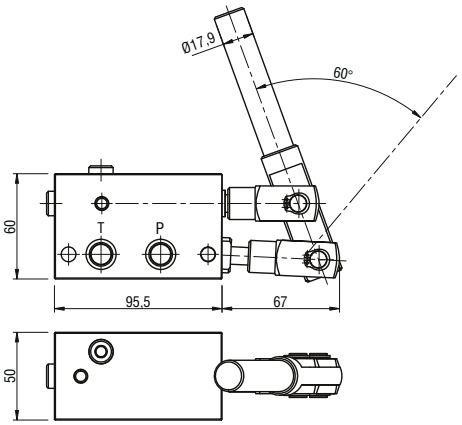
CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*
B05	Sandwich block for CETOP3 - NG6 electrovalve with relief valve *Blocco di interposizione per elettrovalvola CETOP3 - NG6 con valvola limitatrice di pressione*		
B06			
B07			
B08	Sandwich block for CETOP3 - NG6 electrovalve with relief valve *Blocco di interposizione per elettrovalvola CETOP3 - NG6 con valvola limitatrice di pressione*		
B78	Sandwich block for CETOP3 - NG6 electrovalve with flow regulator valve *Blocco di interposizione per elettrovalvola CETOP3 - NG6 con valvola regolatrice di portata*		
B79			
B80			

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*		
B38	Modular block with filter on the return line *Blocco modulare con filtro sullo scarico* Max presure/*Max press.* 6 bar Max flow rate/*Portata max* 20 l/min		
B39_	Modular block with filter on the pressure line *Blocco modulare con filtro sulla mandata* Filtering/ *Filtraggio* B39_10 10 micron B39_25 25 micron B39_40 40 micron Max presure/*Max press.* 250 bar Max flow rate/*Portata max* 10 l/min		
B20	Modular hand pump 6,5cc *Pompa a mano modulare 6,5cc*		

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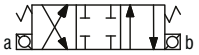
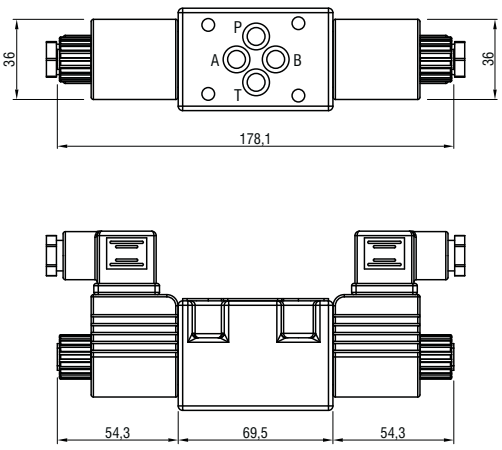
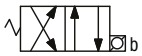
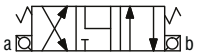
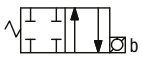
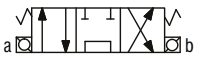
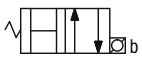
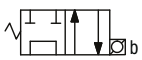
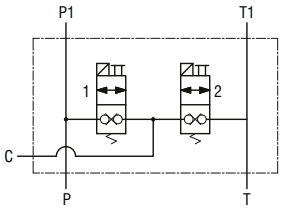
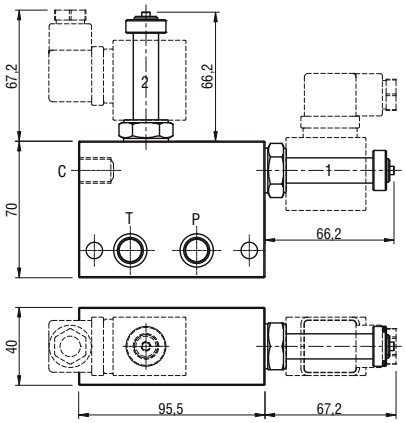
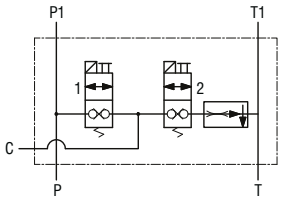
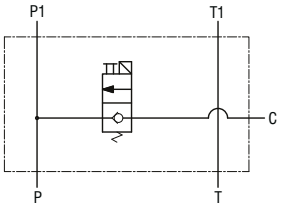
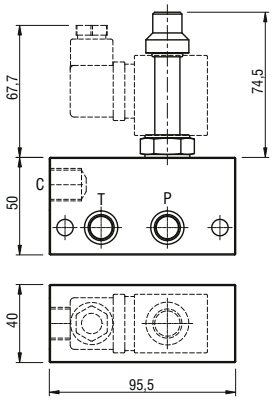
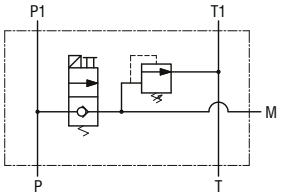
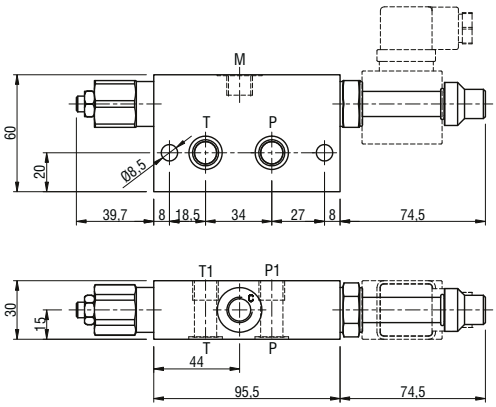
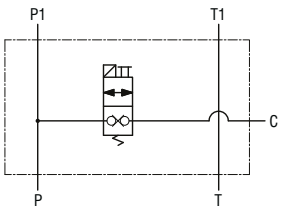
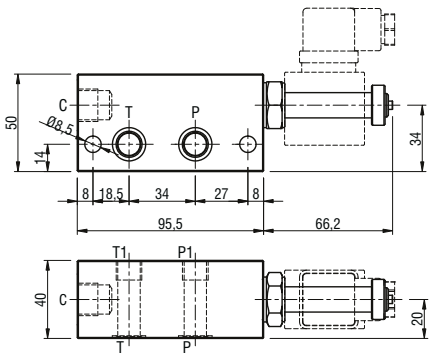
CODE	Description *Descrizione*	CODE	Description *Descrizione*	Drawing *Disegno*
E02		**E06**		
E11		**E07**		
E05		**E08**		
E13		**E10**		
E03		**E20**		
E04				
E14				
E15				

Maximum pressure - *Pressione massima*: 280 bar

Maximum flow rate - *Portata massima*: 30 l/min

Ports *Attacchi*		Solenoids voltage *Tensione dei solenoidi*		
CODE	Description *Descrizione*	CODE	Description *Descrizione*	Characteristics *Caratteristiche*
1	1/4" BSPP	**00**	No solenoid *Nessun solenoide*	Nominal power **27W** *Potenza nominale*
2	3/8" BSPP	**OA**	12 Vdc	
		OB	24 Vdc	Duty cycle **100%** *Ciclo di lavoro*
		OC	48 Vdc	
		OV	24 Vrac	Insulation class **F (T=155°C)** *Classe di isolamento*
		OW	110 Vrac	
		OZ	220 Vrac	Protection index **IP65** *Indice di protezione*

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

CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*
V07	Modular block for single acting circuit or regenerative double acting circuit *Blocco modulare per circuito semplicce effetto o per circuito rigenerativo doppio effetto*		
V09			
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*		
V100	Modular block with double locking electric cartridge valve *Blocco modulare con valvola elettrica doppia tenuta*		

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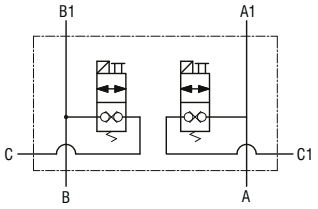
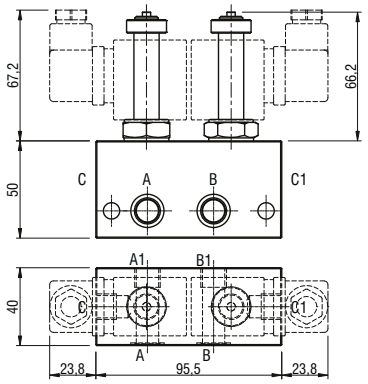
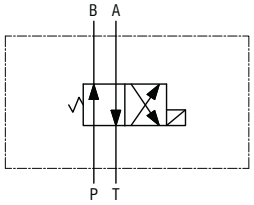
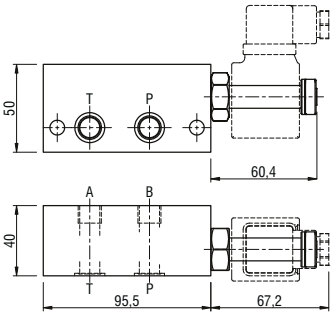
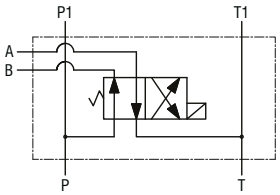
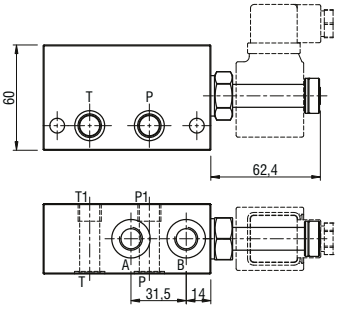
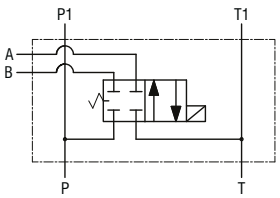
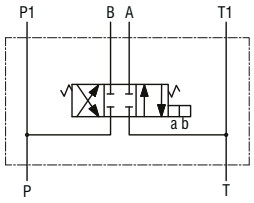
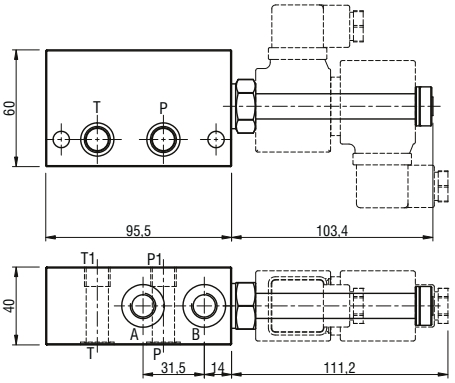
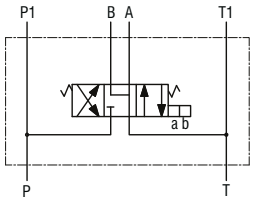
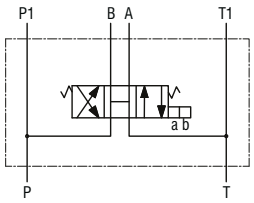
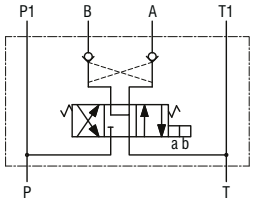
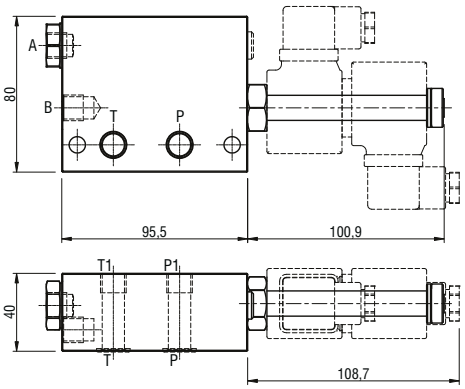
NOTE: the coils are not included in the modular elements
NOTA: *le bobine non sono incluse negli elementi modulari*

CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*
V46	Modular block with 2 double locking electric cartridge valves *Blocco modulare con 2 valvole elettriche a doppia tenuta*		
V39	Modular block for double acting circuit with V42S13 cartridge electric valve *Blocco modulare per circuito doppio effetto con valvola elettrica a cartuccia V42S13*		
V40	Modular block for double acting circuit with V42S13 cartridge electric valve *Blocco modulare per circuito doppio effetto con valvola elettrica a cartuccia V42S13*		
V41			

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

CODE	Description *Descrizione*	Symbol *Schema*	Drawing *Disegno*
V61	Modular block for double acting circuit with V43S13 cartridge electric valve *Blocco modulare per circuito doppio effetto con valvola elettrica a cartuccia V43S13*		
V62			
V63			
V55	Modular block for double acting circuit with V43S13 cartridge electric valve and pilot operated check valves *Blocco modulare per circuito doppio effetto con valvola elettrica a cartuccia V43S13 e ritegni pilotati*		

Ports *Attacchi*		Solenoids voltage *Tensione dei solenoidi*		
CODE	Description *Descrizione*	CODE	Description *Descrizione*	Characteristics *Caratteristiche*
1	1/4" BSPP	**00**	No solenoid / *Nessun 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	**OA**	12 Vdc	
		OB	24 Vdc	
		OC	48 Vdc	
		OL	24 Vac - 50 Hz	
		OM	110 Vac - 50 Hz	
		ON	220 Vac - 50 Hz	
		OP	24 Vac - 50/60 Hz	
		OR	24 Vac - 60 Hz	
		OT	110 Vac - 60 Hz	
		OU	220 Vac - 60 Hz	
		OV	24 Vrac	
		OW	110 Vrac	
		OZ	220 Vrac	

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