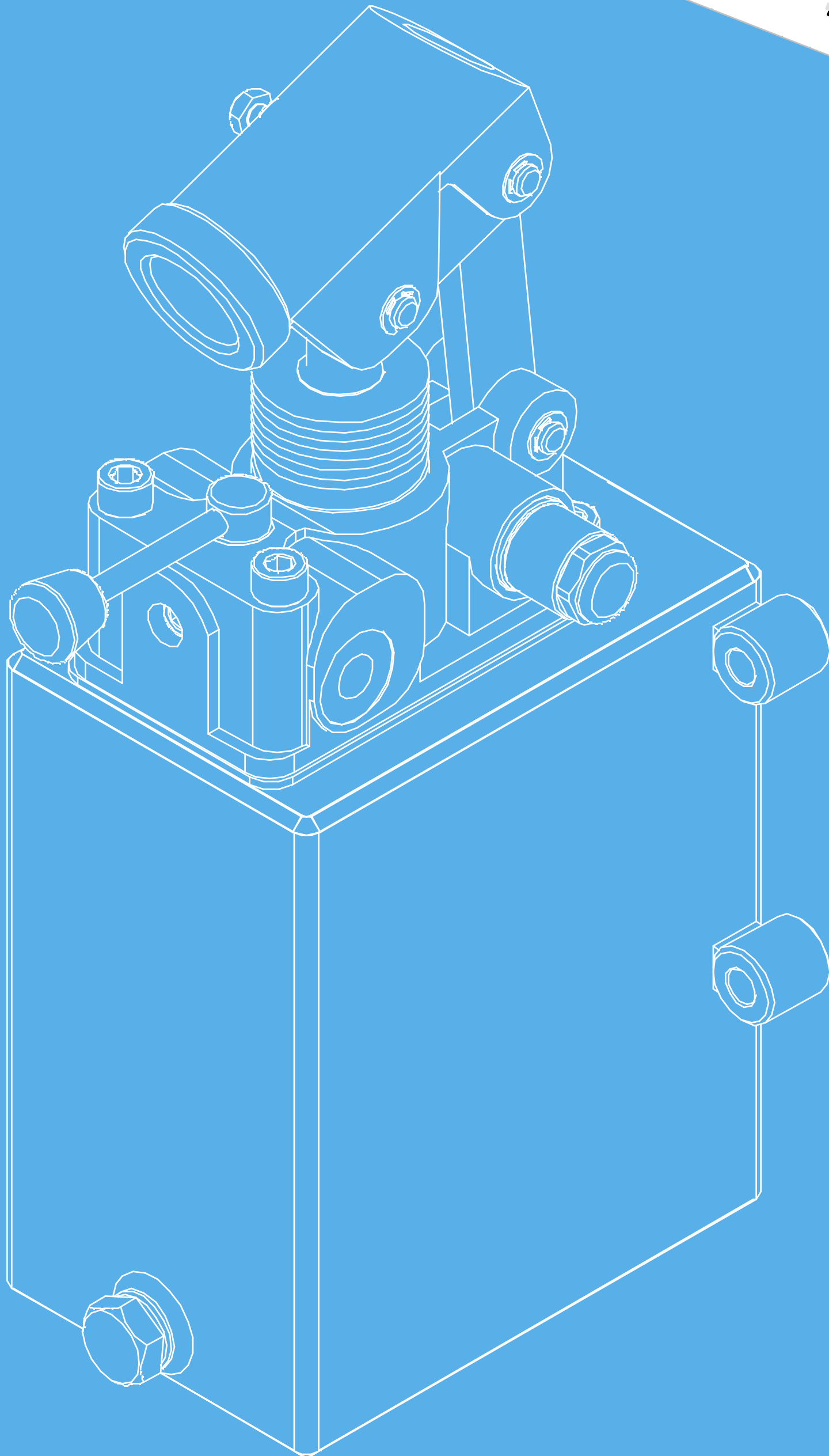




Componenti oleodinamici - Hydraulic components



Ed. 2023

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Gli elevati standard qualitativi del prodotto vengono scrupolosamente garantiti dall'impiego dei materiali migliori e dalla rigorosa attuazione di severe procedure di controllo. Grazie all'esperienza, alla profonda conoscenza del mercato e all'elevata competenza tecnica, G.L. HYDRAULIC S.R.L. è un punto di riferimento indispensabile per tutti coloro che cercano risposte puntuali e soluzioni concrete alle esigenze più diversificate. L'ottima assistenza pre e post vendita e la rapidità delle consegne assicurano servizi efficaci e tempestivi, frutto di una gestione aziendale dinamica e flessibile che è sinonimo di competenza e professionalità.

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CATALOGO TECNICO *TECHNICAL CATALOGUE*

Componenti oleodinamici
Hydraulic components

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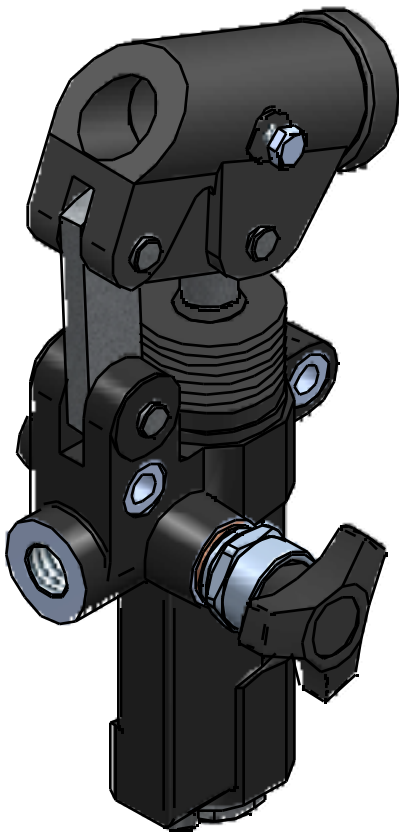
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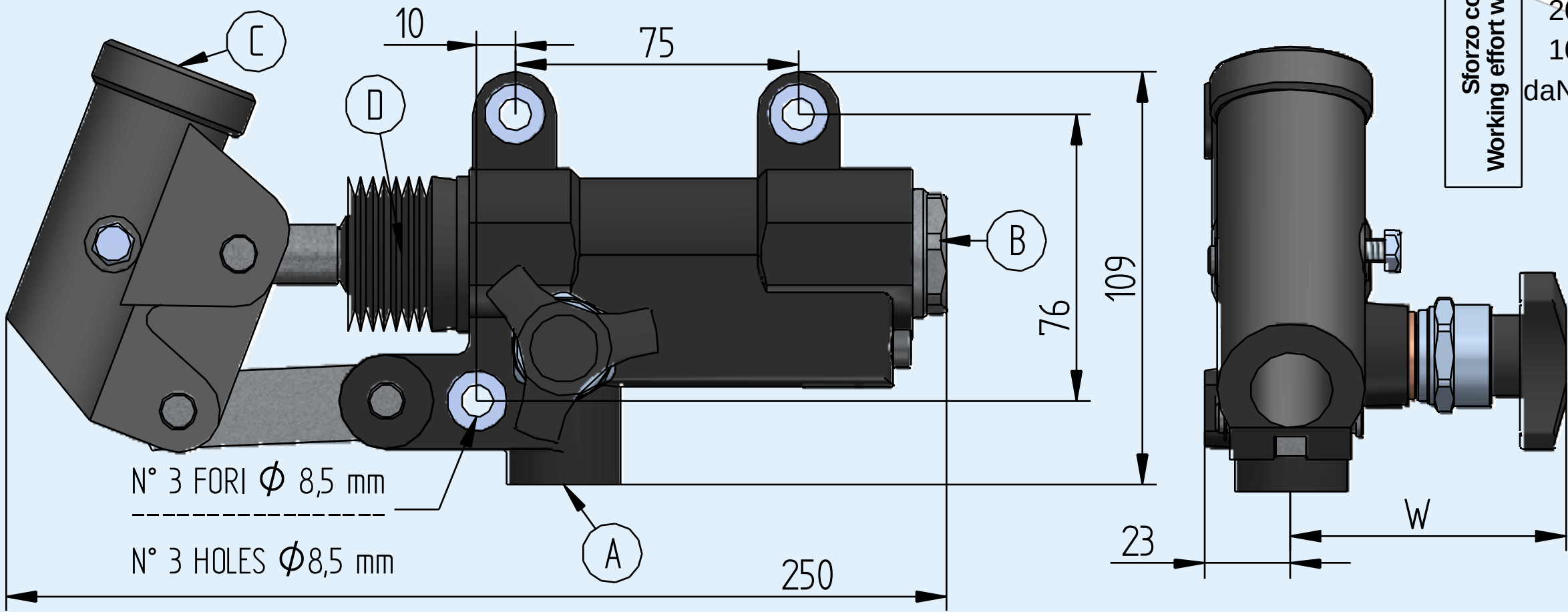
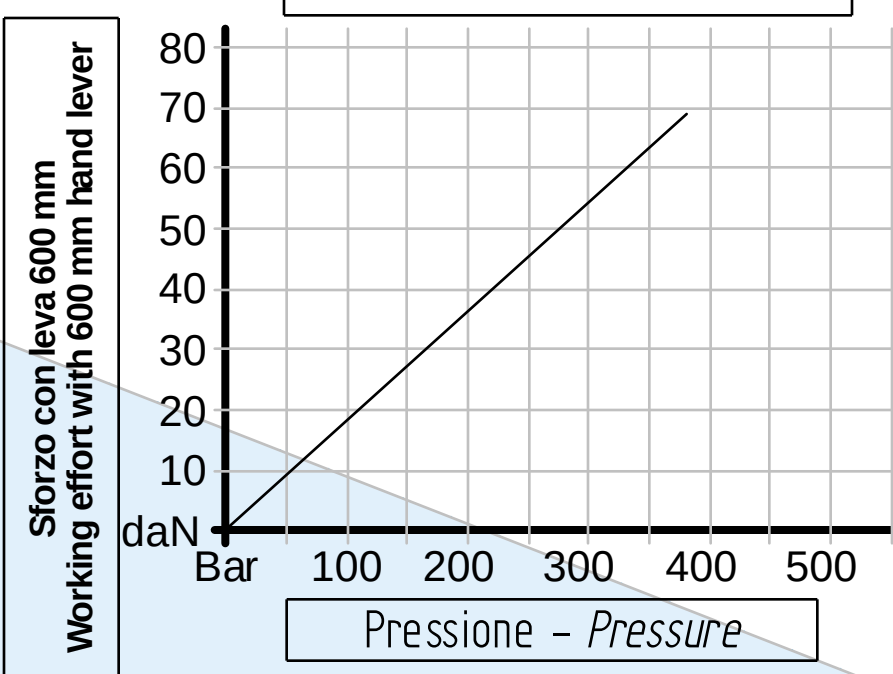
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Descrizione / Codice Description / Code	HP 20	HP 20 S	HP 20 E	HP 20 ES	HP 20 L	HP 20 LS	HP 20 M	HP 20 MS	HP 20 R	HP 20 RS	HP 20 VI	HP 20 VIS	HP 20 EV	HP 20 EVS	
Soffietto - Bellows S		X		X		X		X		X		X		X	Taratura valvola di massima pressione - Relief valve setting
Volantino di scarico Release handknob E	X	X													min - max (bar)
Senza comando scarico Without release handknob L			X	X											
Leva comando scarico Release lever M					X	X									
Manipolatore comando scarico Release manipulator R							X	X							
Volantino di scarico con ritorno automatico Release handknob with automatic return VI									X	X					30 - 320
Valvola di massima pressione integrata al volantino di scarico Pressure relief valve inside release handknob V											X	X			30 - 160
Valvola di massima pressione Pressure relief valve													X	X	
W (mm)	72	72	32	32	73	73	122	122	84	84	60	60	55	55	Diagramma prove di carico Load curve



Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows
A	B	C	D
3/8 GAS F	1/2 GAS F	27 mm	

Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
17	320	2,8



Montaggio: Qualsiasi posizione
Mounting: Any position

HP20 - HP20S	HP20E - HP20ES	HP20L - HP20LS	HP20M - HP20MS	HP20R - HP20RS	HP20VI - HP20VIS	HP20EV - HP20EVS

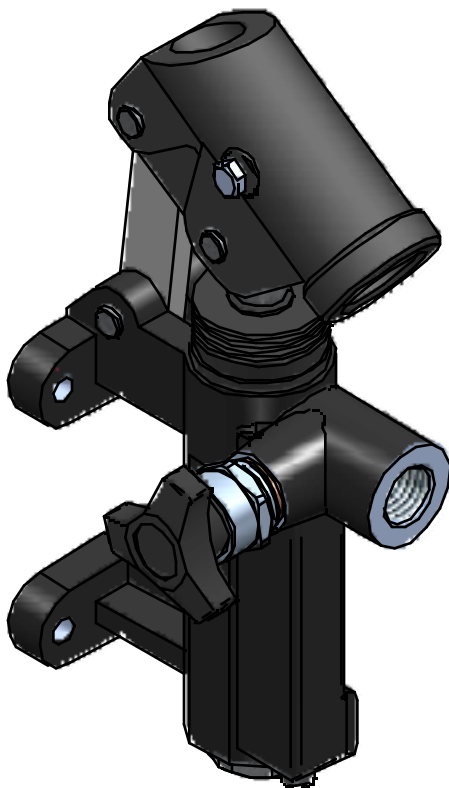
HP50

Iron cast body
Stainless steel rod piston

Funzionamento a doppio effetto per cilindro a semplice effetto
Double-stroke for a single acting cylinder



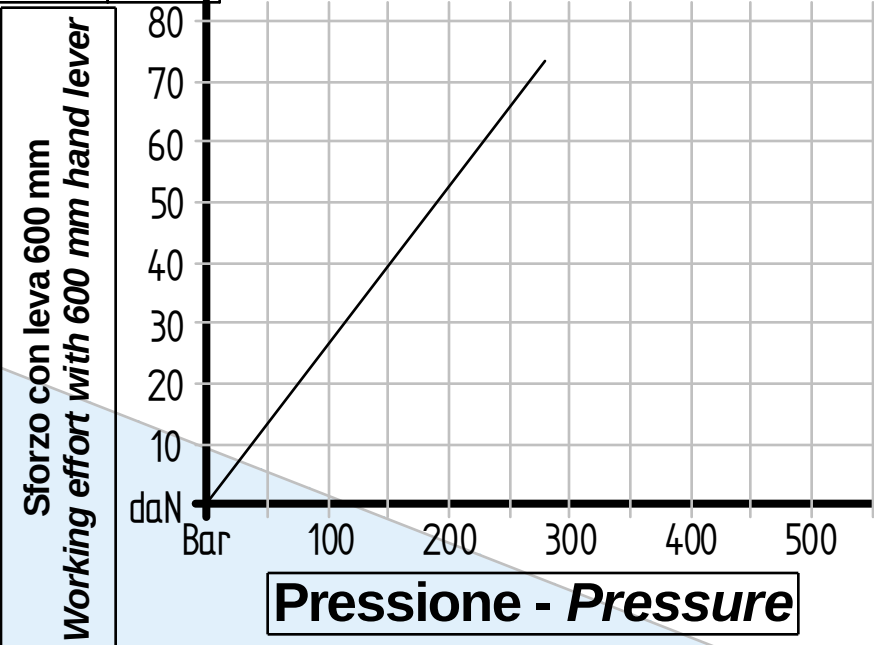
Descrizione / Codice Description / Code	HP 50	HP 50 S	HP 50 E	HP 50 ES	HP 50 L	HP 50 LS	HP 50 M	HP 50 MS	HP 50 R	HP 50 RS	HP 50 VI	HP 50 VIS	HP 50 EV	HP 50 EVS	
Soffietto - Bellows S		X		X		X		X		X		X		X	Taratura valvola di massima pressione - Relief valve setting
Volantino di scarico Release handknob	X	X													min - max (bar)
Senza comando scarico Without release handknob E			X	X											
Leva comando scarico Release lever L					X	X									
Manipolatore comando scarico Release manipulator M							X	X							
Volantino di scarico con ritorno automatico Release handknob with automatic return R									X	X					
Valvola di massima pressione integrata al volantino di scarico Pressure relief valve inside release handknob VI											X	X			30 - 250
Valvola di massima pressione Pressure relief valve V													X	X	30 - 160



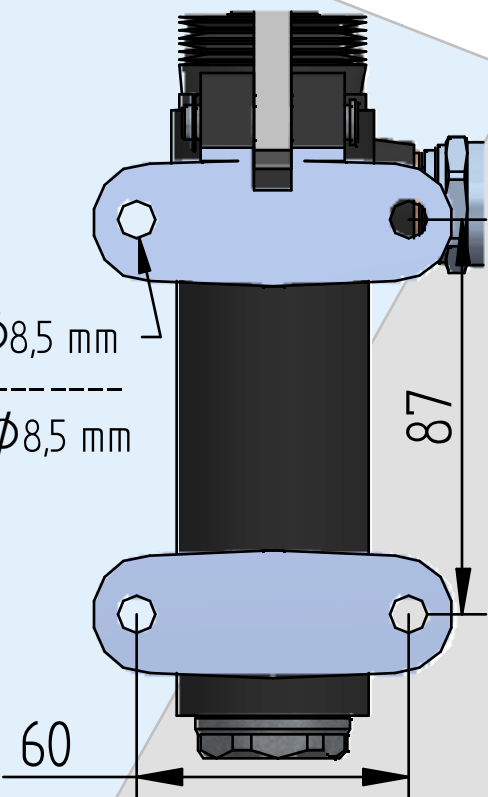
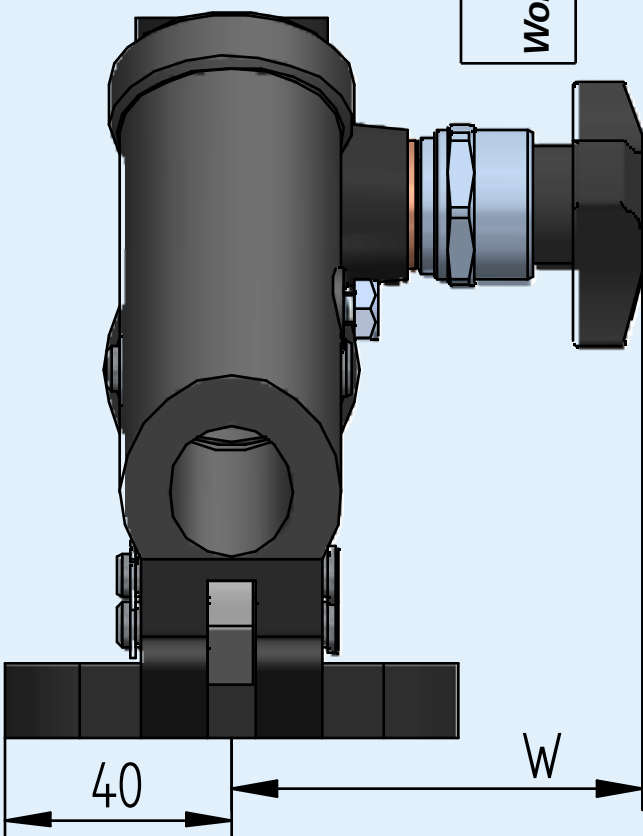
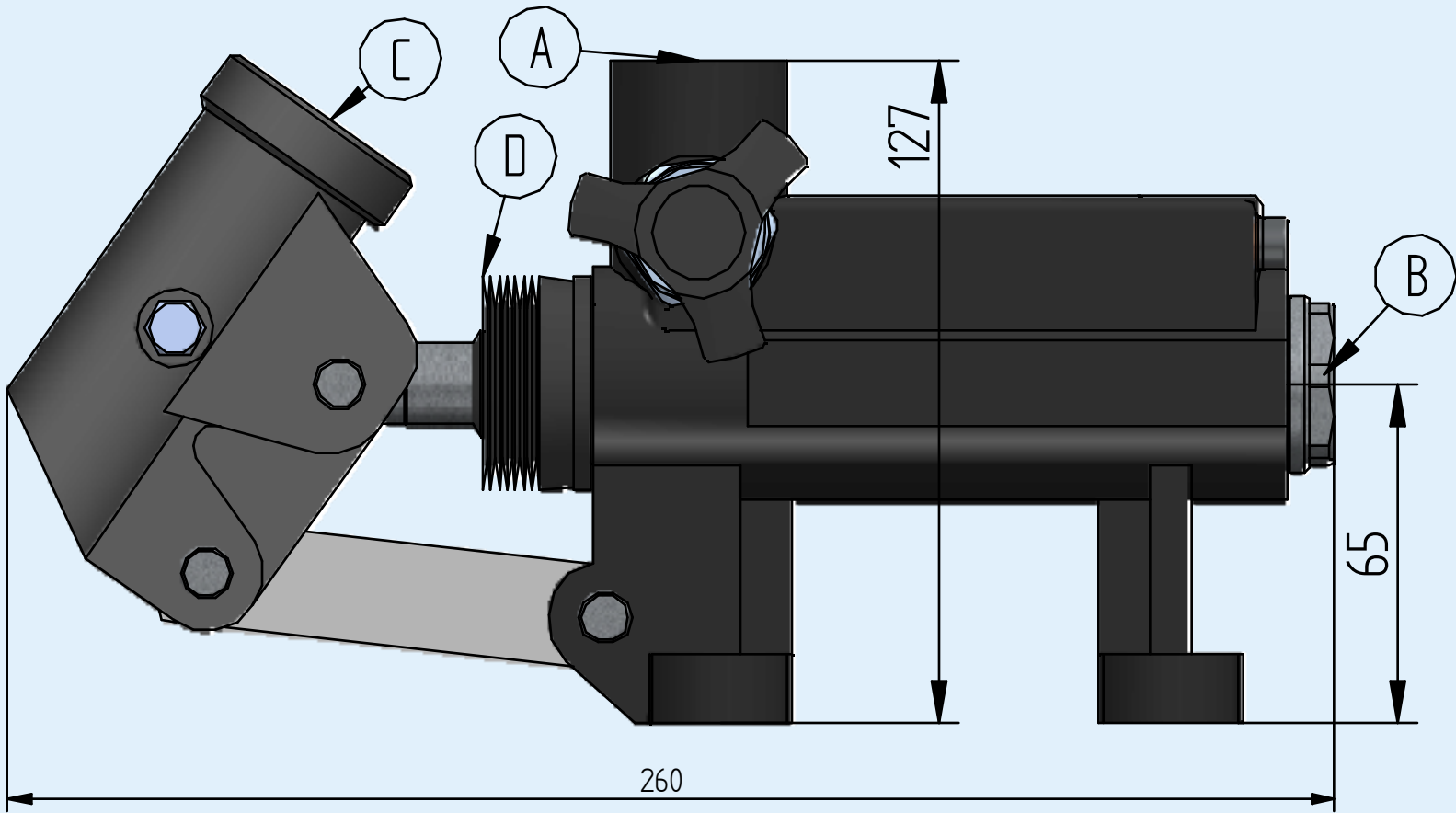
W (mm)	70	70	32	32	73	73	122	122	84	84	61	61	55	55	
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Diagramma prove di carico
Load curve

Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
A	B	C	D	33	250	3,5
1/2 GAS F	1/2 GAS F	27 mm				



Montaggio: Qualsiasi posizione
Mounting: Any position



HP50 - HP50S	HP50E - HP50ES	HP50L - HP50LS	HP50M - HP50MS	HP50R - HP50RS	HP50VI - HP50VIS	HP50EV - HP50EVS

Dati tecnici indicativi e non impegnativi.
L'azienda si riserva di apportare modifiche in qualsiasi momento e senza preavviso.
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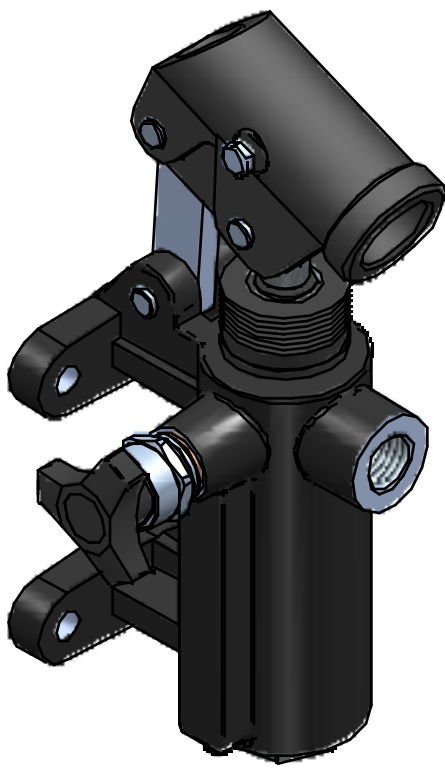
HP70

Iron cast body
Stainless steel rod piston

Funzionamento a doppio effetto per cilindro a semplice effetto
Double-stroke for a single acting cylinder

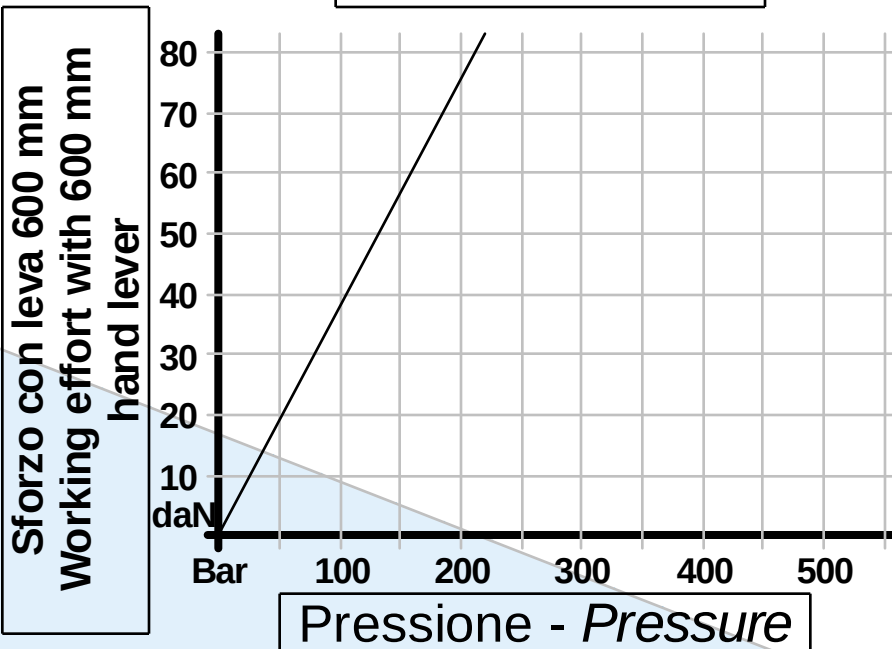


Descrizione / Codice Description / Code	HP 70	HP 70 S	HP 70 E	HP 70 ES	HP 70 L	HP 70 LS	HP 70 M	HP 70 MS	HP 70 R	HP 70 RS	HP 70 VI	HP 70 VIS	HP 70 EV	HP 70 EVS	
Soffietto - Bellows S		X		X		X		X		X		X		X	Taratura valvola di massima pressione - Relief valve setting
Volantino di scarico Release handknob	X	X													
Senza comando scarico Without release handknob E			X	X											
Leva comando scarico Release lever L					X	X									min - max (bar)
Manipolatore comando scarico Release manipulator M							X	X							
Volantino di scarico con ritorno automatico Release handknob with automatic return R									X	X					
Valvola di massima pressione integrata al volantino di scarico Pressure relief valve inside release handknob VI											X	X			30 - 200
Valvola di massima pressione Pressure relief valve V													X	X	30 - 160
W (mm)	88	88	50	50	88	88	140	140	101	101	76	76	72	72	

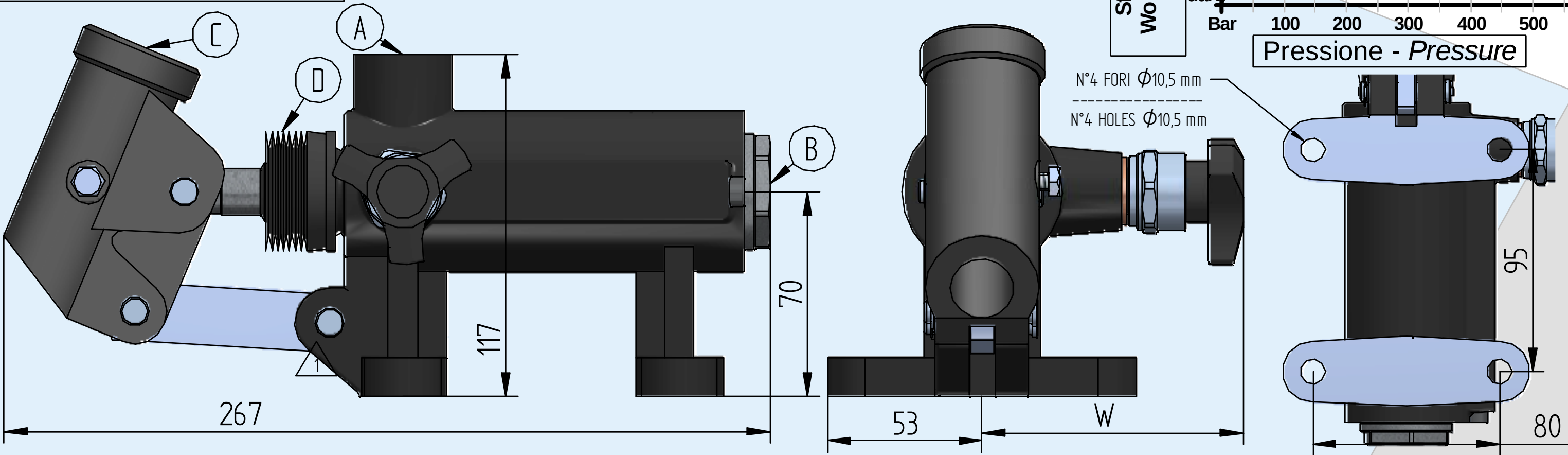


Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows
A	B	C	D
1/2 GAS F	1/2 GAS F	27 mm	

Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
48	200	5,5



Montaggio: Qualsiasi posizione
Mounting: Any position



HP70 - HP70S	HP70E - HP70ES	HP70L - HP70LS	HP70M - HP70MS	HP70R - HP70RS	HP70VI - HP70VIS	HP70EV - HP70EVS

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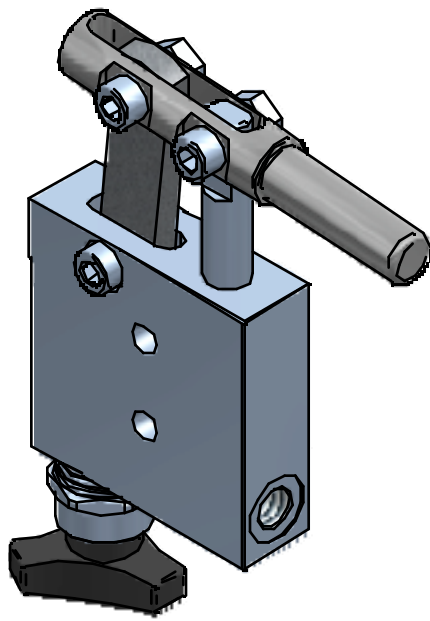
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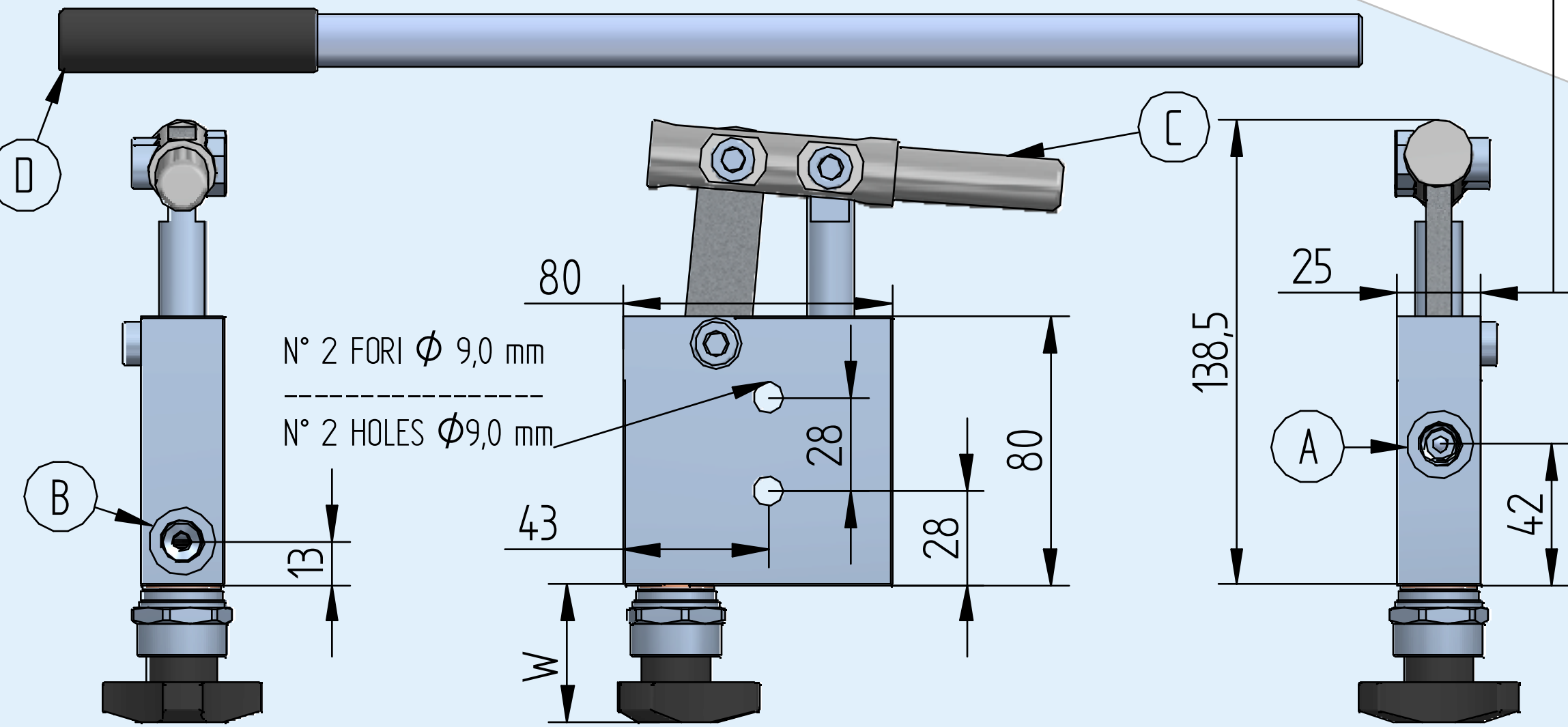
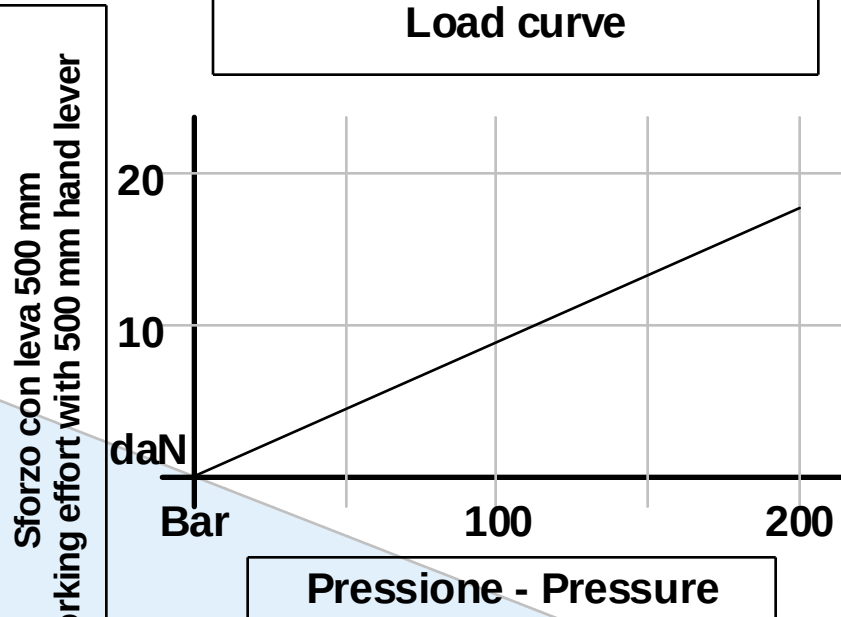


Descrizione / Codice Description / Code	HPBSE 2,5P	HPBSE 2,5EP	HPBSE 2,5LP	HPBSE 2,5MP	HBSEP 2,5RP	HPBSE 2,5VIP	HPBSE 2,5EVP	Taratura valvola di massima pressione - Relief valve setting min - max (bar)
Volantino di scarico Release handknob	X							
Senza comando scarico Without release handknob	E	X						
Leva comando scarico Release lever	L		X					Comunque non oltre la pressione massima della pompa - However not over the pump's max pressure
Manipolatore comando scarico Release manipulator	M			X				
Volantino di scarico con ritorno automatico Release handknob with automatic return	R				X			
Valvola di massima pressione integrata al volantino di scarico Pressure relief valve inside release handknob	VI					X		30 - 200
Valvola di massima pressione Pressure relief valve	V						X	30 - 150
W (mm)	40	8	40	91	54	37	23	

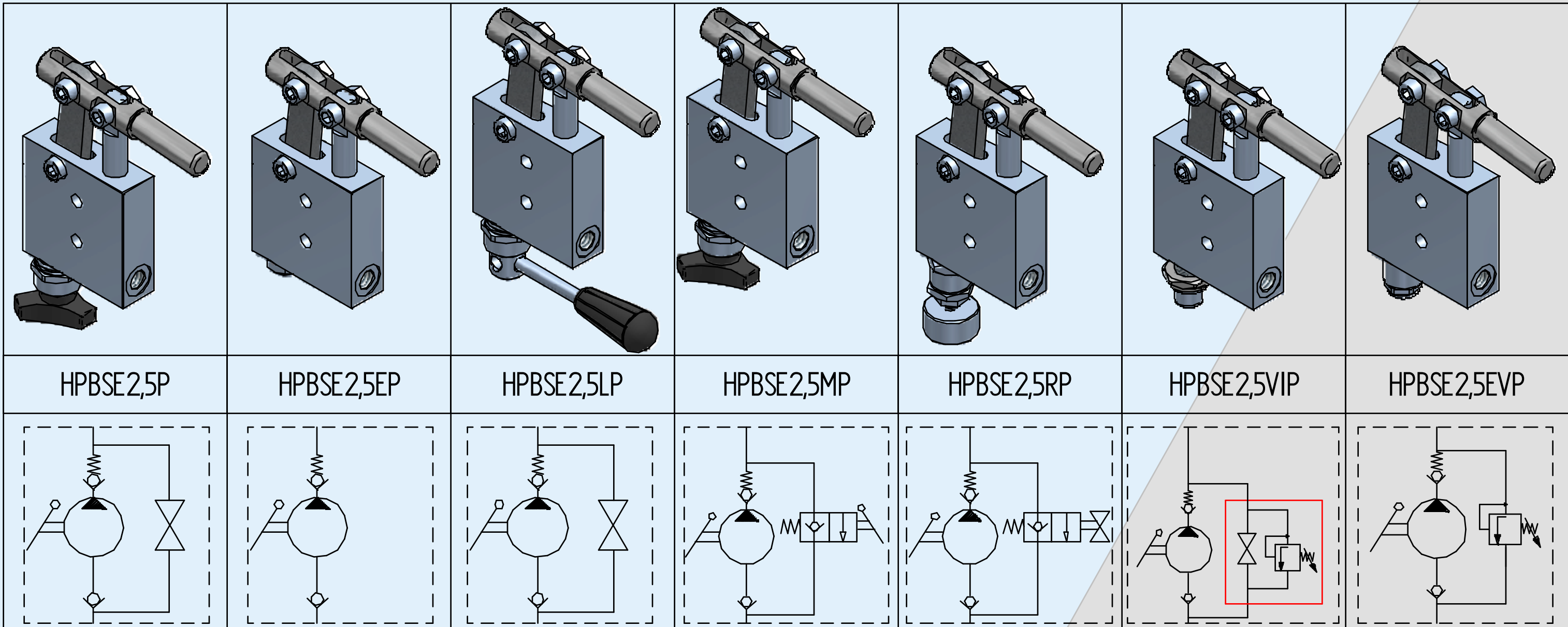


Mandata Pressure porte	Aspirazione Suction	Diametro esterno porta leva Lever connection outside diameter	Leva non fornita Diametro esterno: 20 mm Lunghezza: 500 mm Lever not supplied Outside diameter: 20 mm Lenght: 500 mm	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Pompa / Leva Weight Pump / Lever	
A	B	C	D	2,5	200	1,6 Kg	0,45 Kg
1/4 GAS F	1/4 GAS F	16 mm					

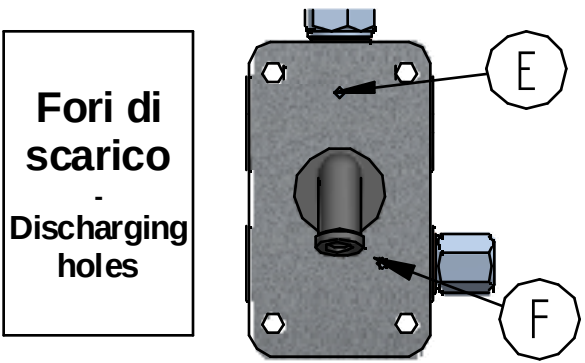
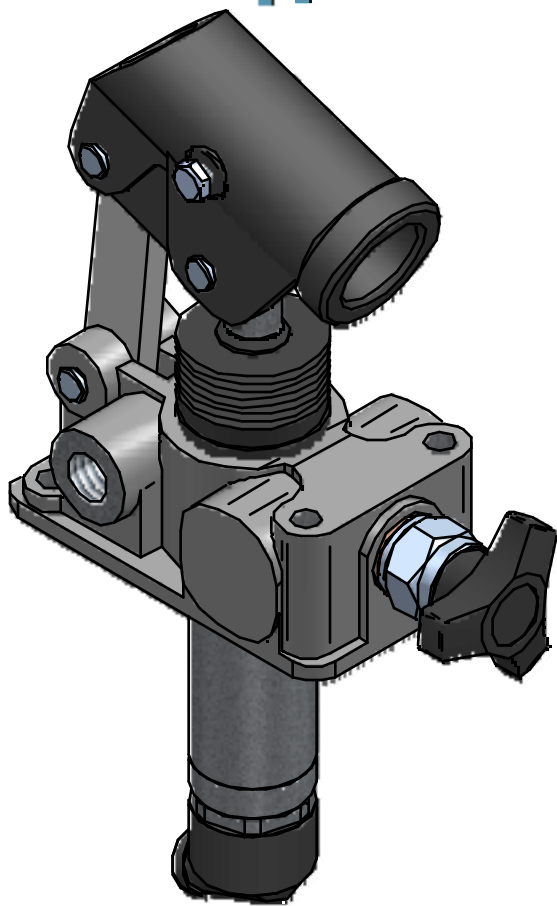
Diagramma prove di carico
Load curve



Montaggio: Posizione verticale
Mounting: Vertical position



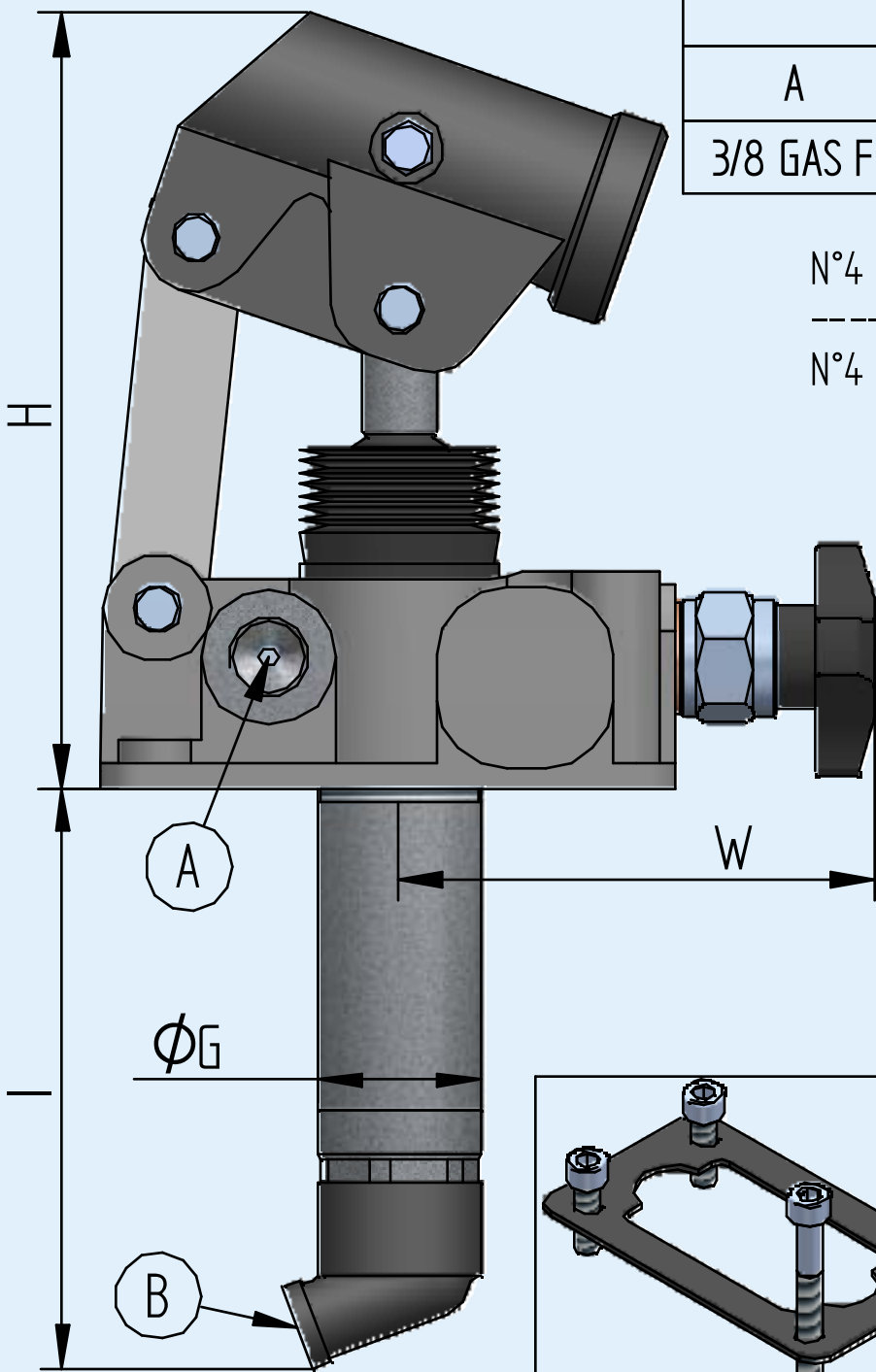
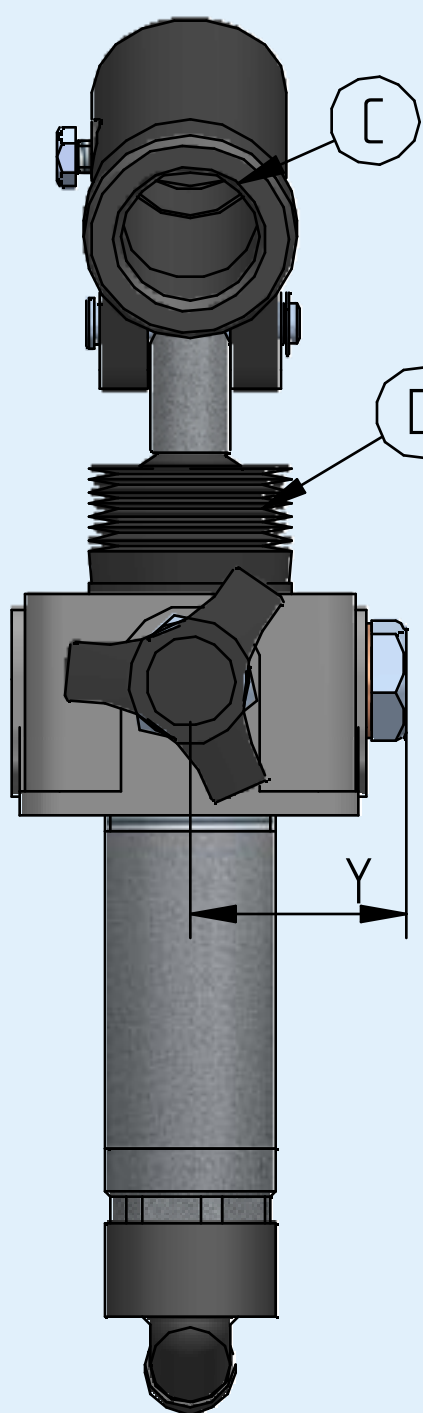
Descrizione / Codice Description / Code	HPT	HPT S	HPT V	HPT VS	HPT E	HPT ES	HPT EV	HPT EVS	HPT M	HPT MS	HPT MV	HPT MVS	HPT R	HPT RS	HPT RV	HPT RVS	HPT VI	HPT VIS
Soffietto Bellows	S	X		X		X		X		X		X		X		X		X
Volantino di scarico Release handknob	X	X	X	X														
Senza comando scarico Without release handknob	E				X	X	X	X										
Manipolatore comando scarico Release manipulator	M								X	X	X	X						
Volantino di scarico con ritorno automatico Release handknob with automatic return	R												X	X	X	X		
Valvola di massima pressione integrata al volantino di scarico Pressure relief valve inside release handknob	VI																X	X
Valvola di massima pressione Pressure relief valve	V			X	X			X	X		X	X			X	X		
Foro di scarico - Discharging hole (E)	X	X	X	X					X	X	X	X	X	X	X	X	X	X
Foro di scarico - Discharging hole (F)			X	X				X	X		X	X			X	X		
W (mm)	97	97	97	97	65	65	65	65	148	148	148	148	111	111	111	111	95	95
Y (mm)	44	44	59	59	44	44	59	59	44	44	59	59	44	44	59	59	44	44



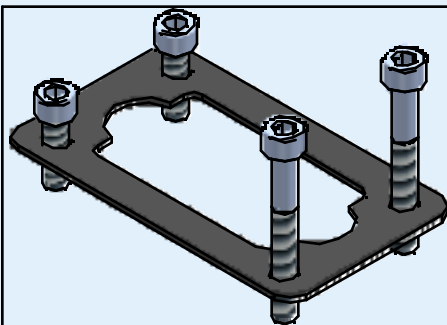
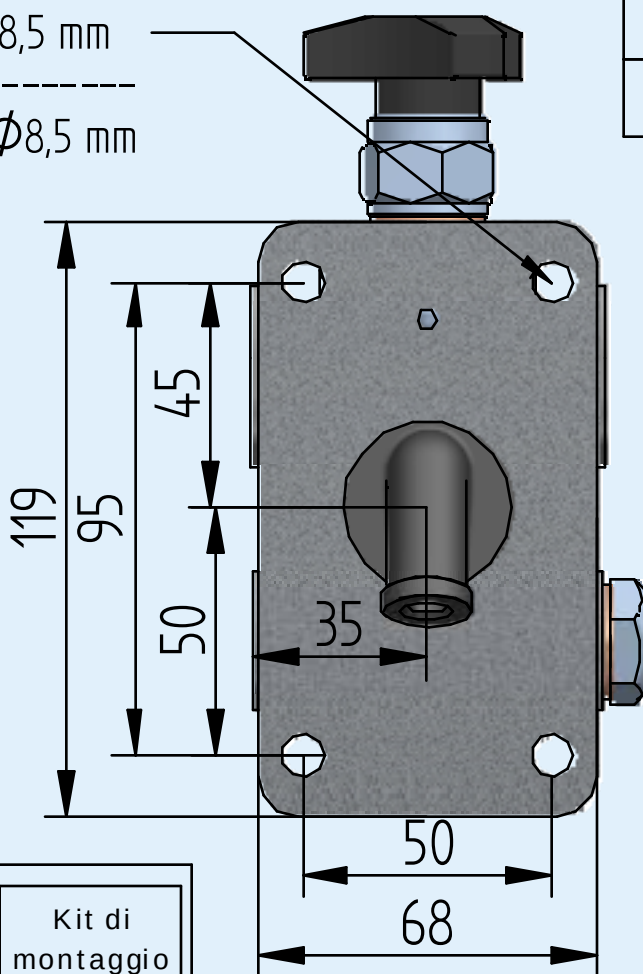
Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pump's max pressure
min - max (bar) 30 - 400

Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows
A	B	C	D
3/8 GAS F		27 mm	

Line	Cilindrat a Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)	H (mm)	I (mm)	G (mm)
6	6	400	3,1	160	120	34
12	12,5	320	3,0	160	120	34
25	19,4	300	3,1	160	120	34
45	28	250	3,2	160	120	38
50	45,7	250	3,8	160	120	50



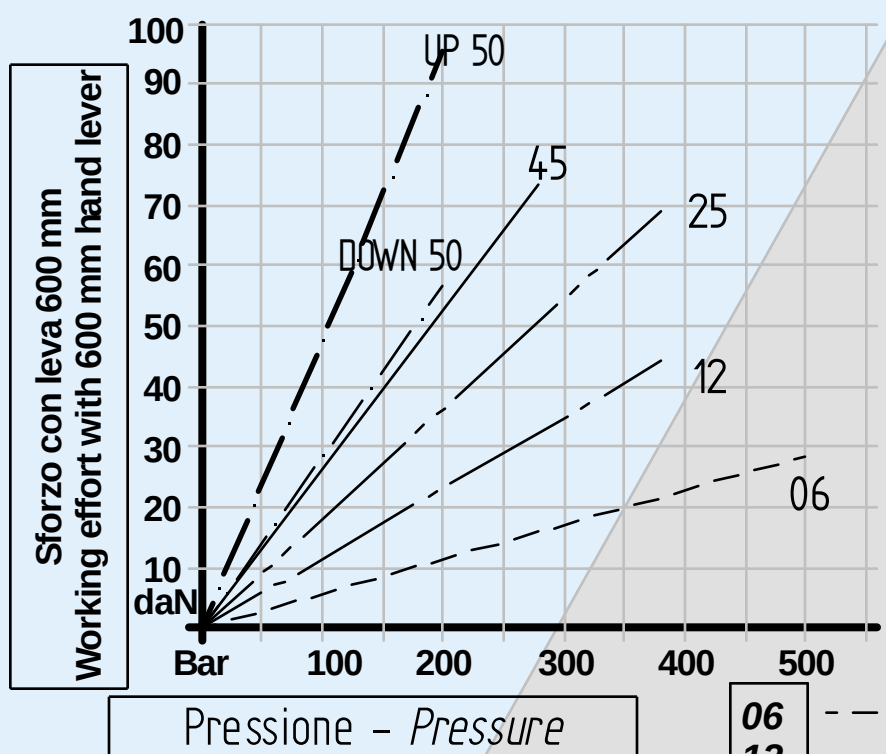
N°4 FORI Ø8,5 mm
N°4 HOLES Ø8,5 mm



Kit di montaggio
al serbatoio
Mounting
kit to oil
tank

Montaggio: Qualsiasi posizione
Mounting: Any position

Diagramma prove di carico
Load curve



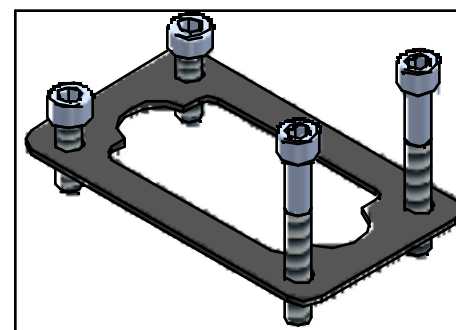
06
12
25
45
50

HPT - HPT S	HPT V - HPT VS	HPT E - HPT ES	HPT EV - HPT EVS	HPT M - HPT MS	HPT MV - HPT MVS	HPT R - HPT RS	HPT RV - HPT RVS	HPT VI - HPT VIS

Descrizione / Codice Description / Code	HPTCV	HPTCV S	HPTCV V	HPTSE VS
Soffietto Bellows		X		X
Leva comando scarico Release lever	X	X	X	X
Valvola di massima pressione Pressure relief valve			X	X
Foro di scarico - Discharging hole (E)	X	X	X	X
Foro di scarico - Discharging hole (F)			X	X
W (mm)	75	75	75	75
Y (mm)	44	44	59	59

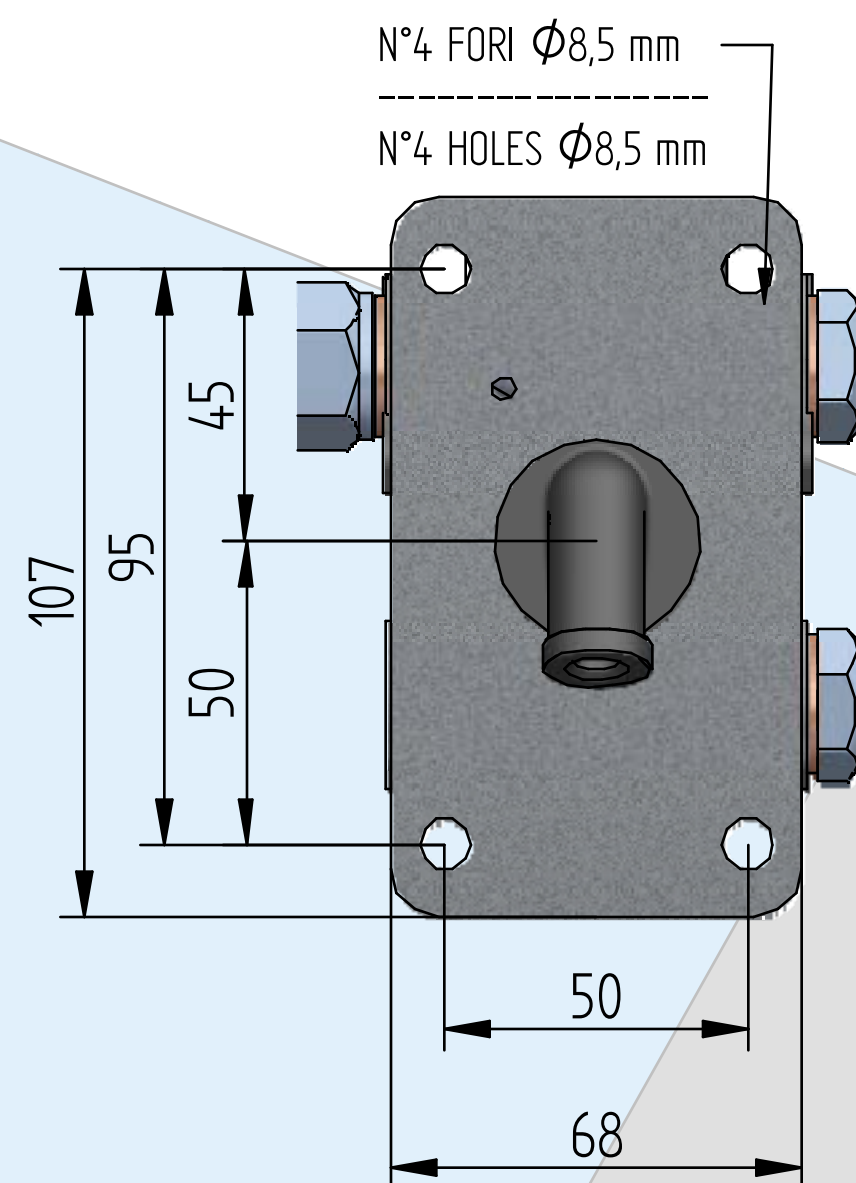
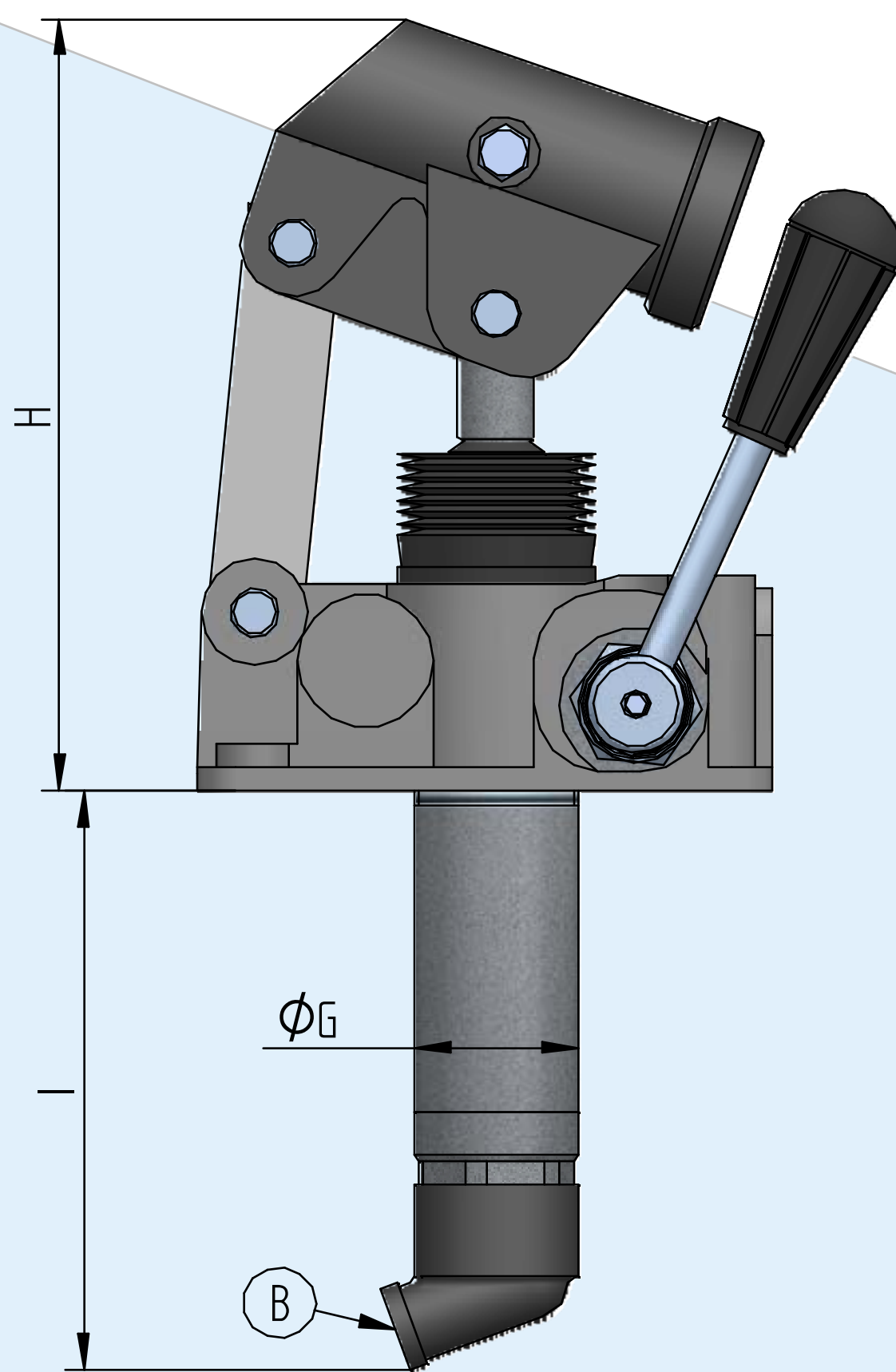
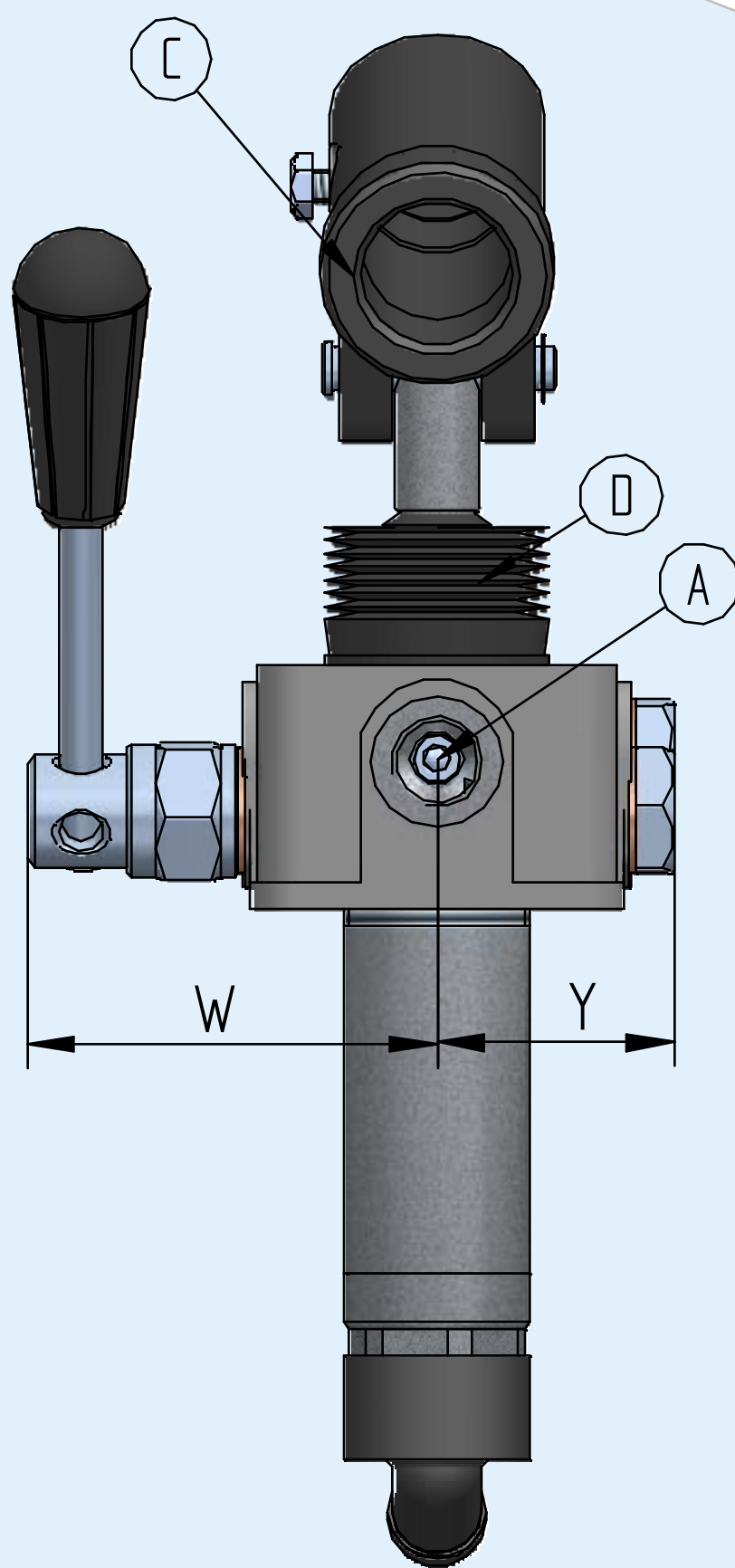
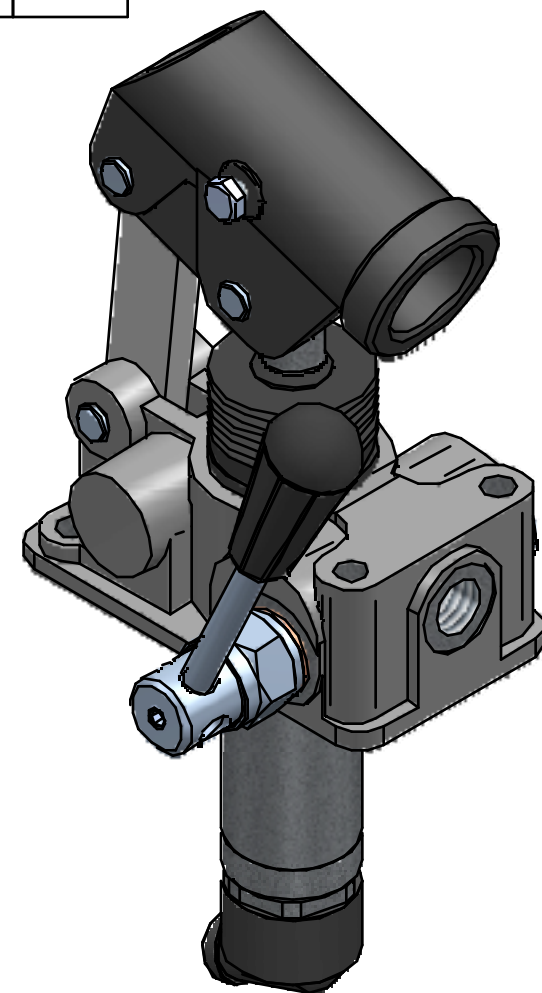
Taratura valvola di massima pressione - Relief valve setting min - max (bar)	30 - 250
Comunque non oltre la pressione massima della pompa - However not over the pump's max pressure	

Line	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)	H (mm)	I (mm)	G (mm)
6	6	250	3,1	160	120	34
12	12,5	250	3,0	160	120	34
25	19,4	250	3,1	160	120	34
45	28	250	3,2	160	120	38

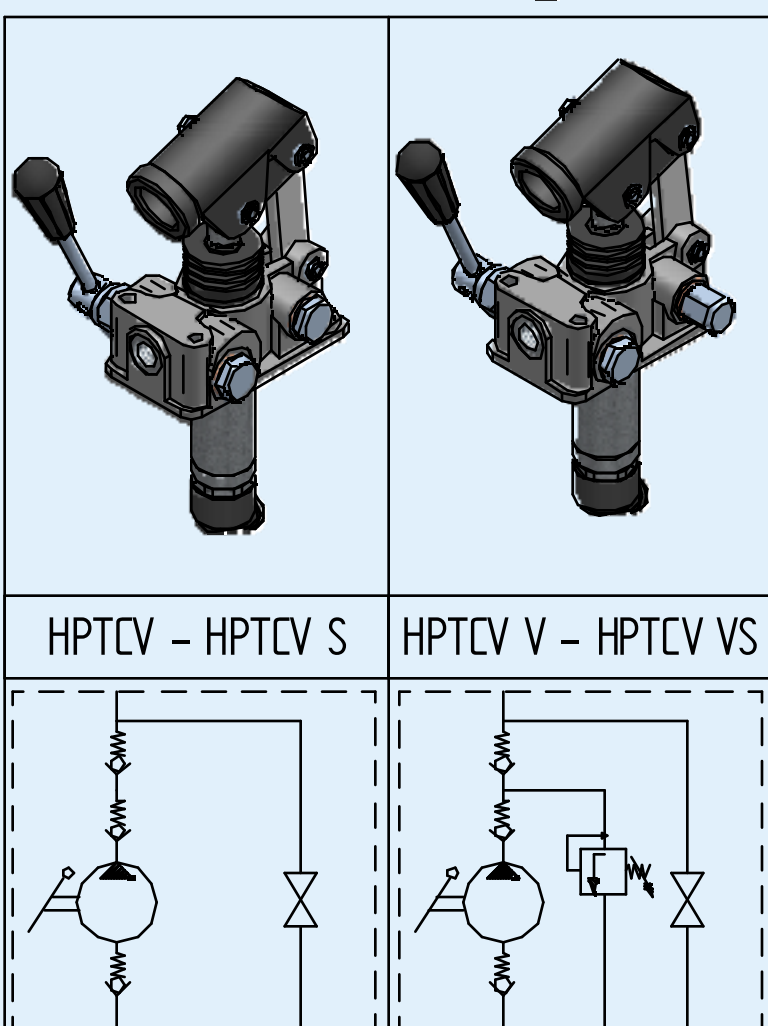


Kit di
montaggio
al serbatoio
-
Mounting
kit to oil
tank

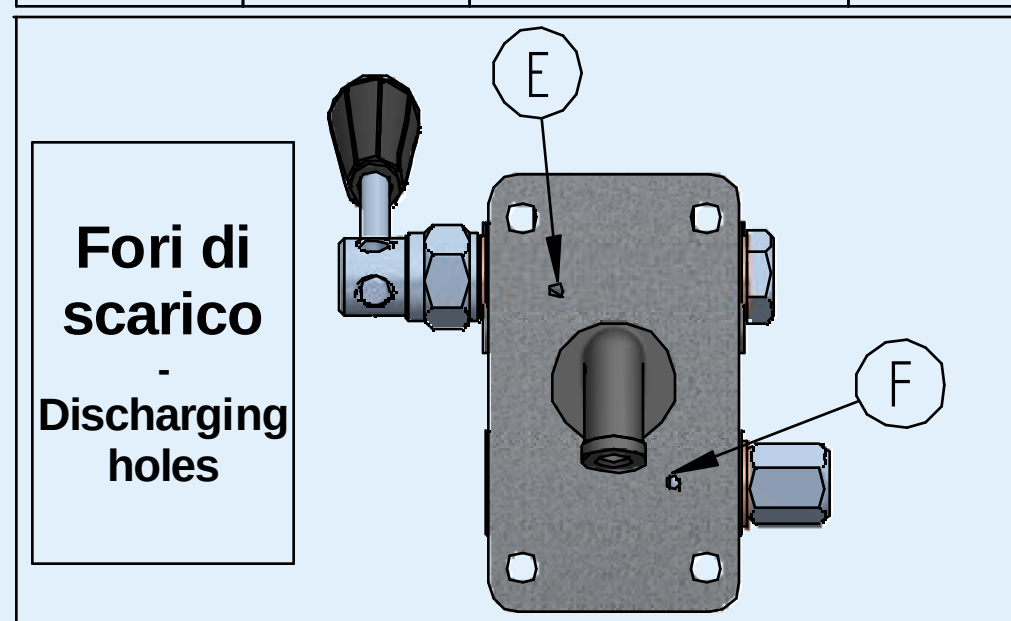
Montaggio: Qualsiasi posizione
Mounting: Any position



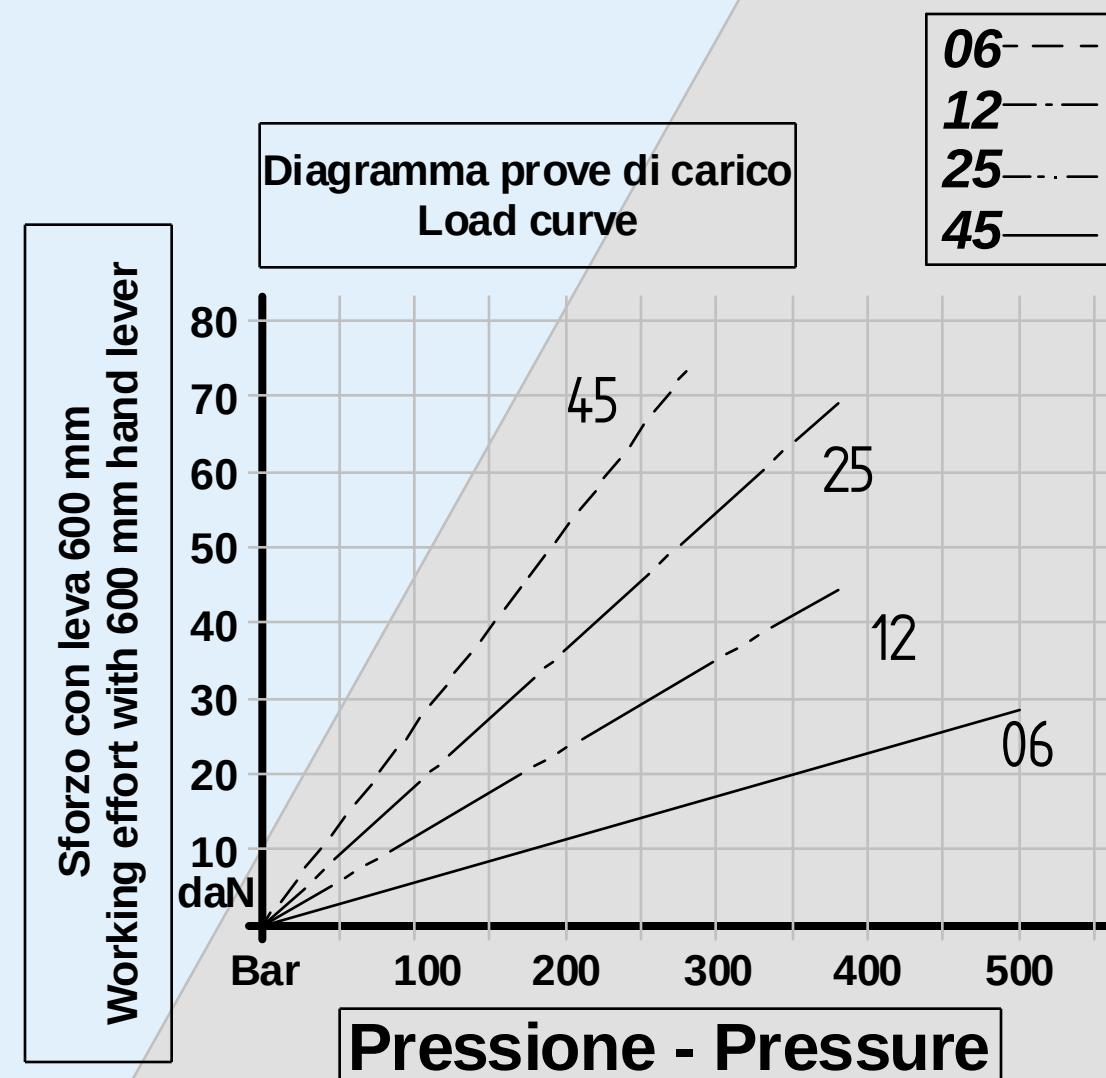
N°4 FORI $\phi 8,5$ mm
N°4 HOLES $\phi 8,5$ mm



Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows
A	B	C	D
3/8 GAS F		27	



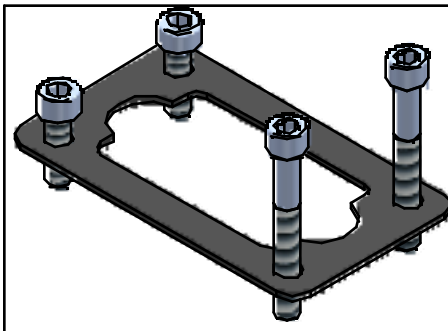
Fori di
scarico
-
Discharging
holes



Descrizione / Codice Description / Code	HPTSE	HPTSE S	HPTSE V	HPTSE VS
Soffietto Bellows		X		X
Leva comando scarico Release lever	X	X	X	X
Valvola di massima pressione Pressure relief valve			X	X
Foro di scarico - Discharging hole (E)	X	X	X	X
Foro di scarico - Discharging hole (F)			X	X
W (mm)	75	75	75	75
Y (mm)	44	44	59	59

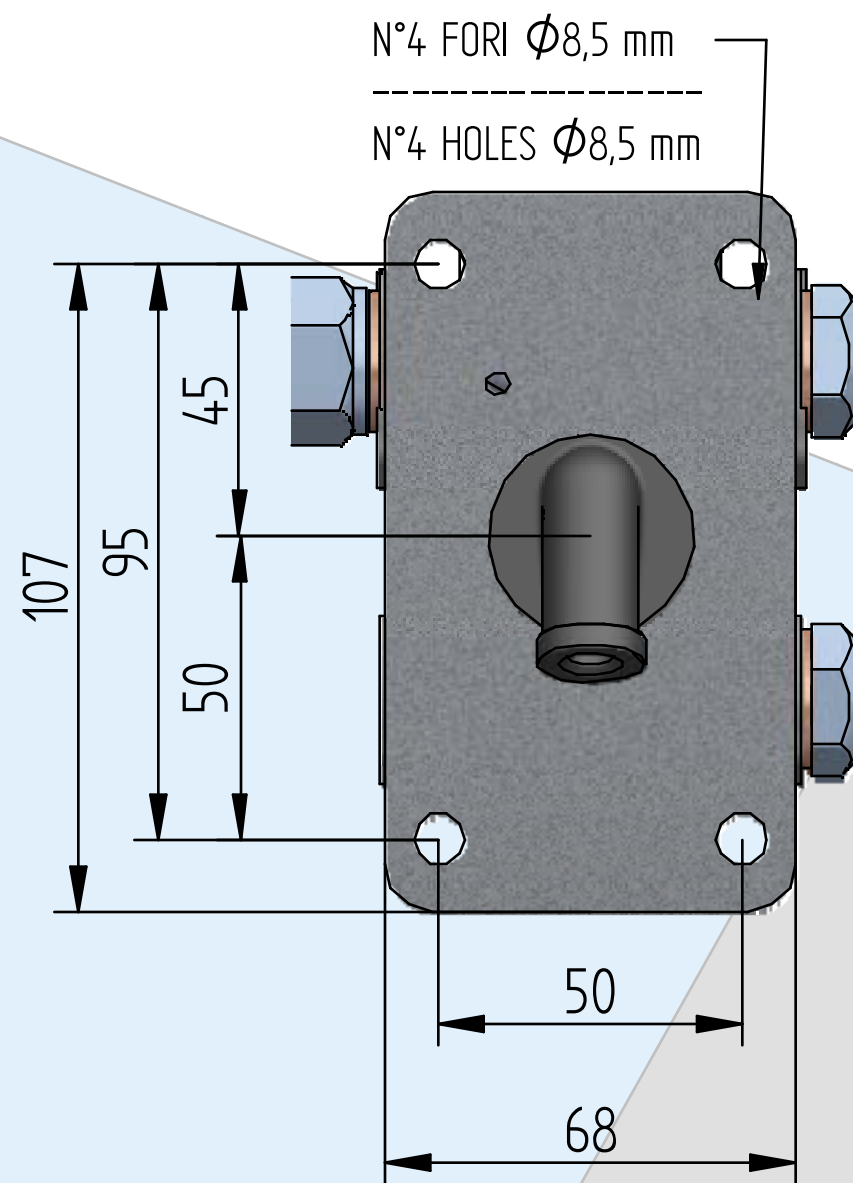
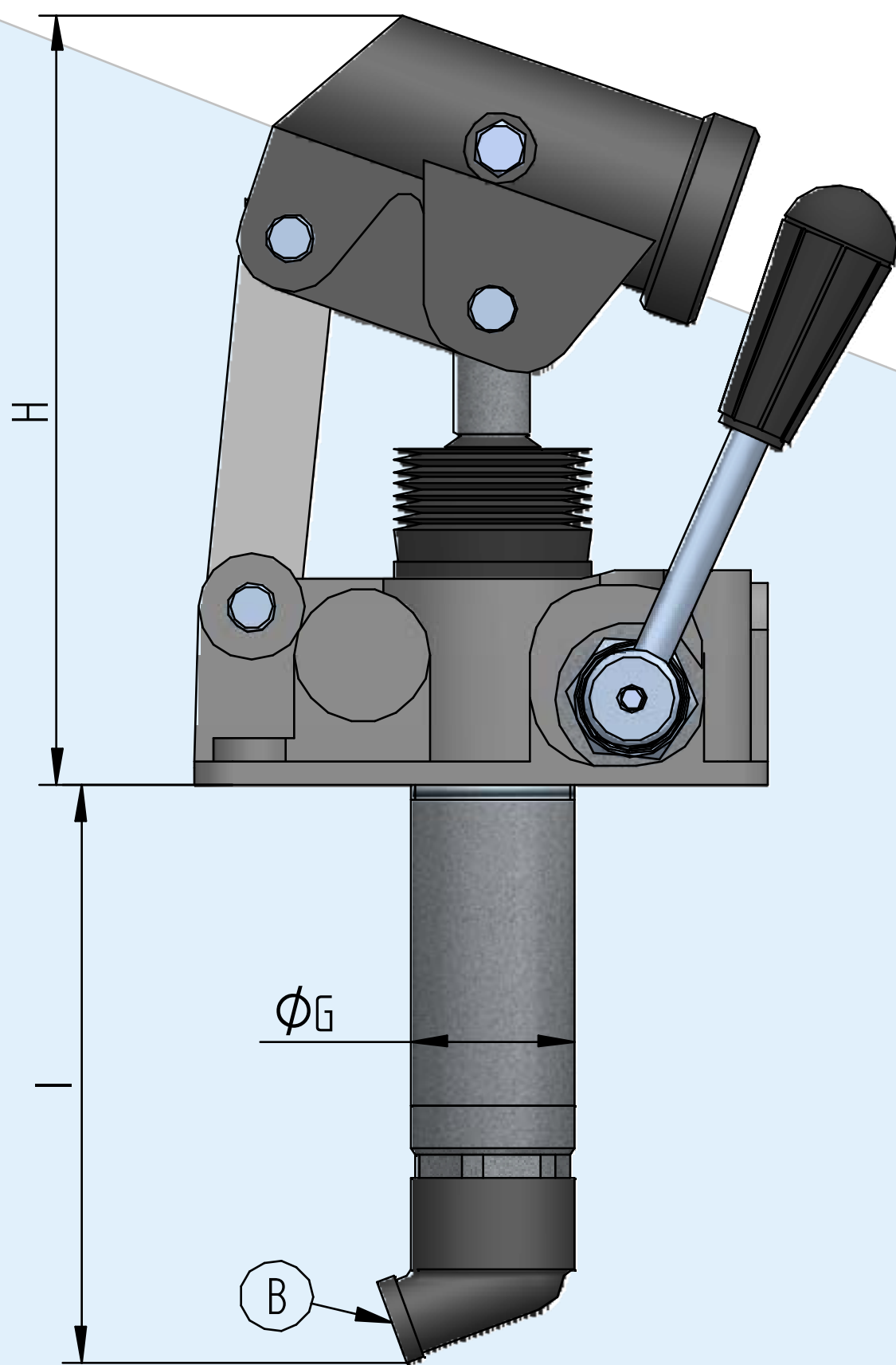
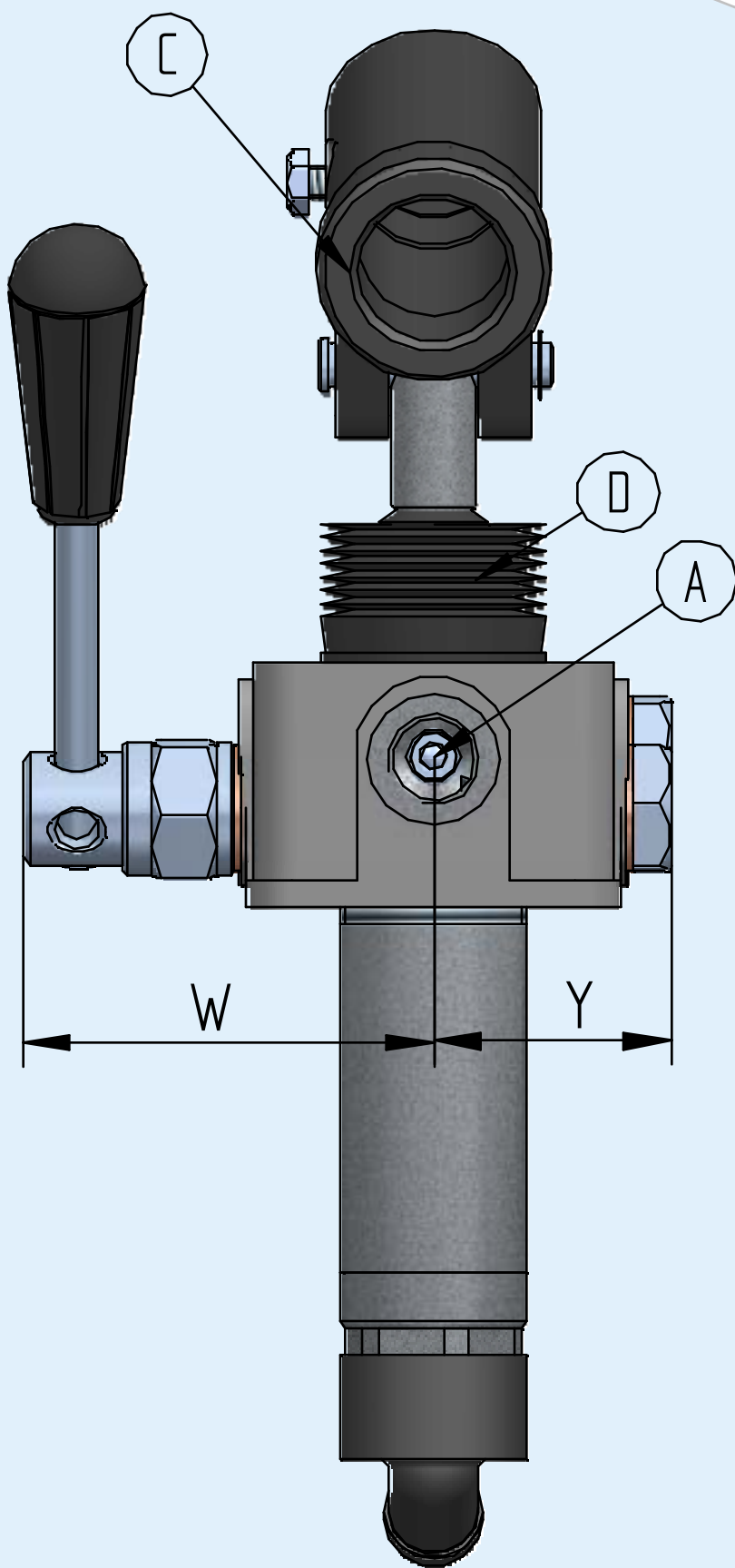
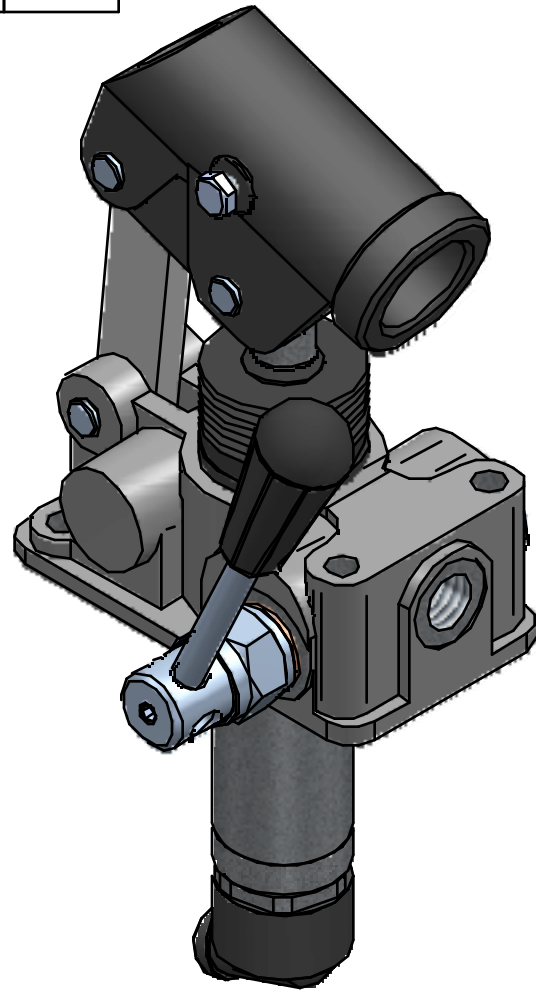
Taratura
valvola di
massima
pressione
-
Relief valve
setting
min - max
(bar)
30 - 250
Comunque non
oltre la
pressione
massima della
pompa
-
However not
over the
pump's max
pressure

Line	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)	H (mm)	I (mm)	G (mm)
3	3	250	3,1	160	120	34
6	6,2	250	3,0	160	120	34
11	9,7	250	3,1	160	120	34
22	14	250	3,2	160	120	38



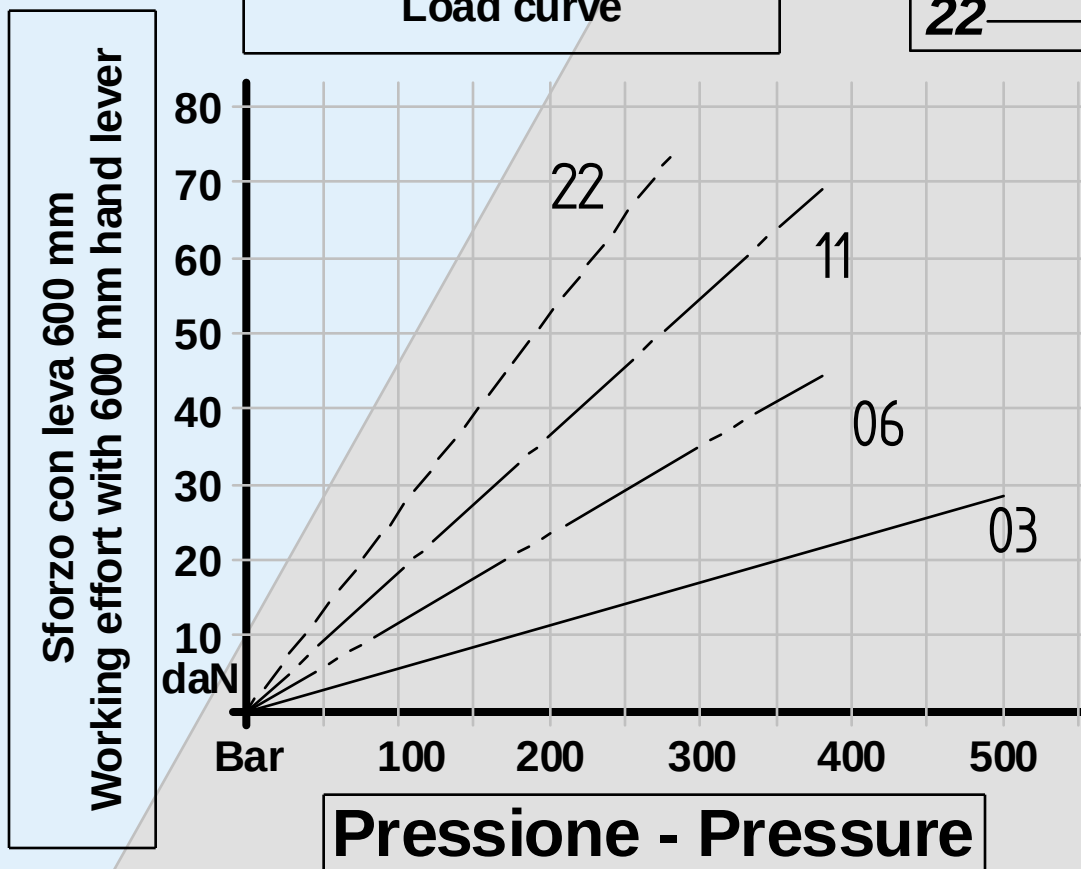
Kit di
montaggio
al serbatoio
-
Mounting
kit to oil
tank

Montaggio: Qualsiasi posizione
Mounting: Any position

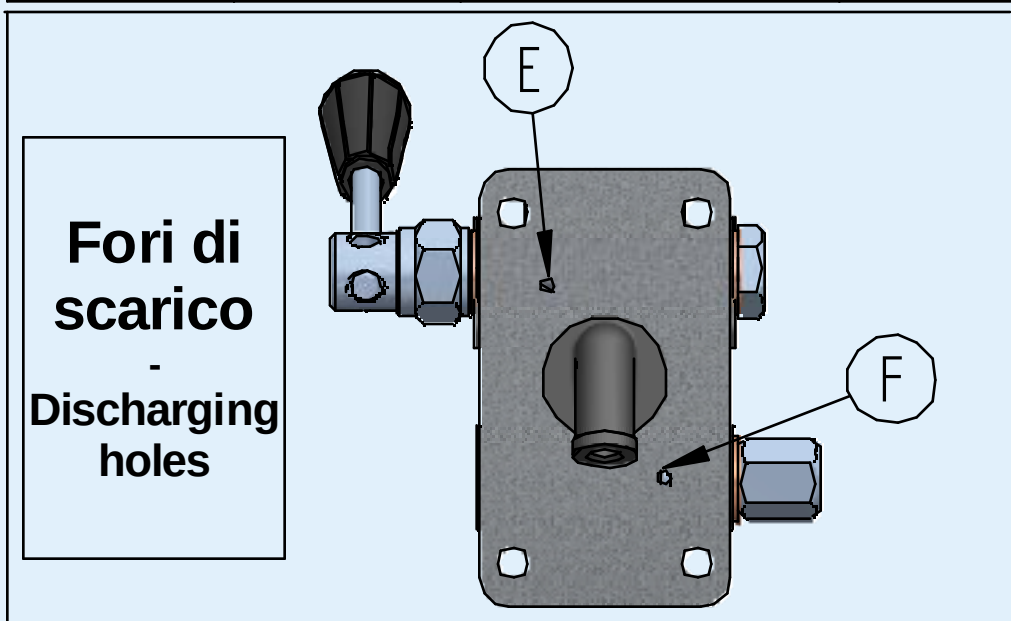


03 ---
06 ---
11 ---
22 ---

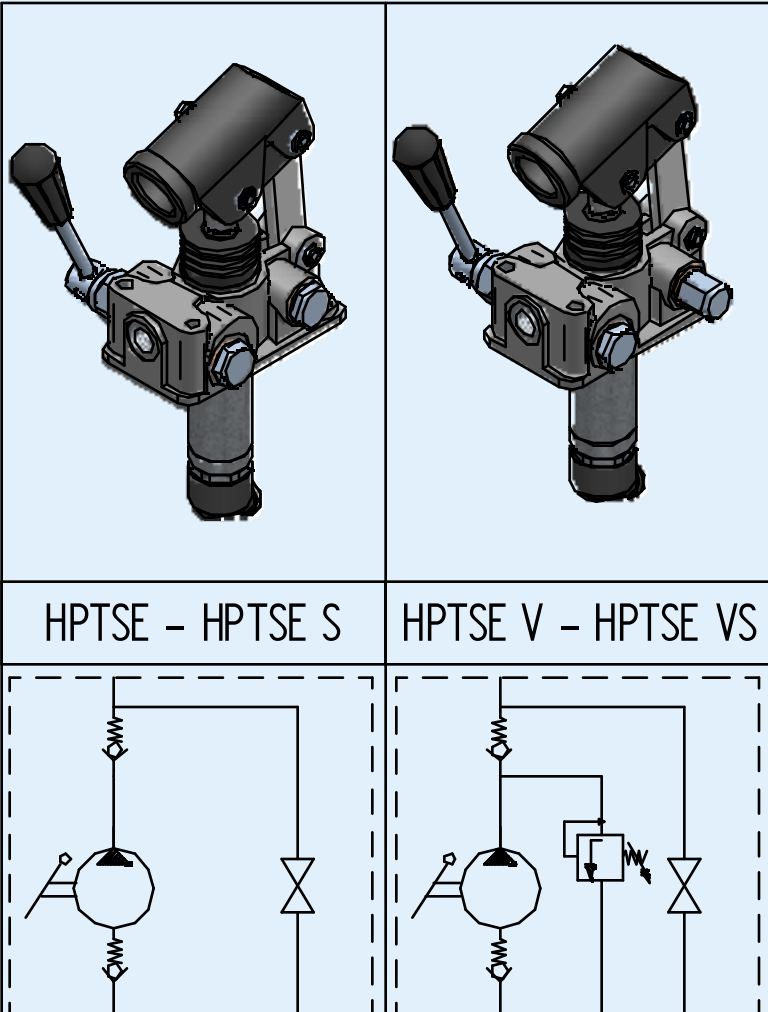
Diagramma prove di carico
Load curve



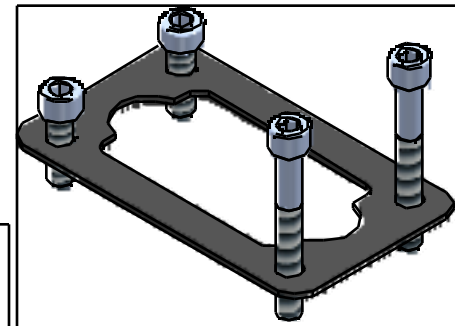
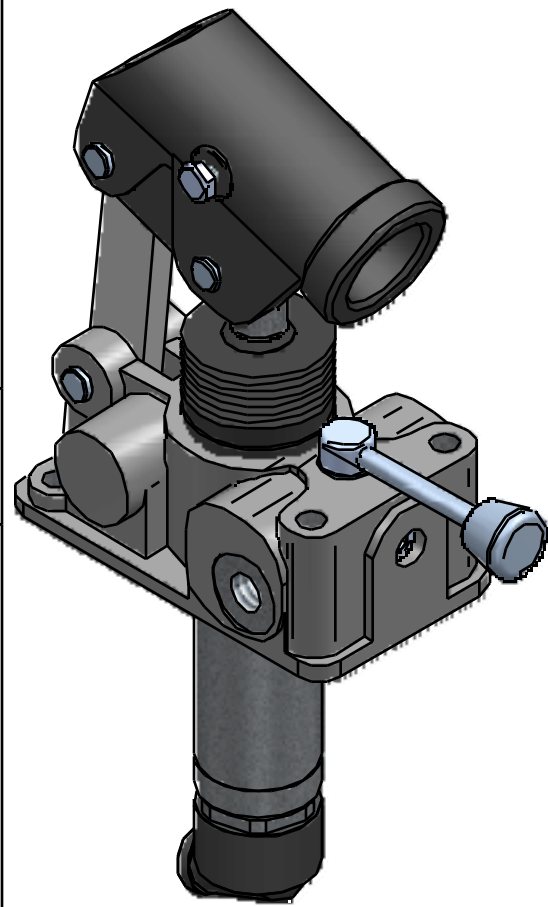
Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows
A	B	C	D
3/8 GAS F		27	



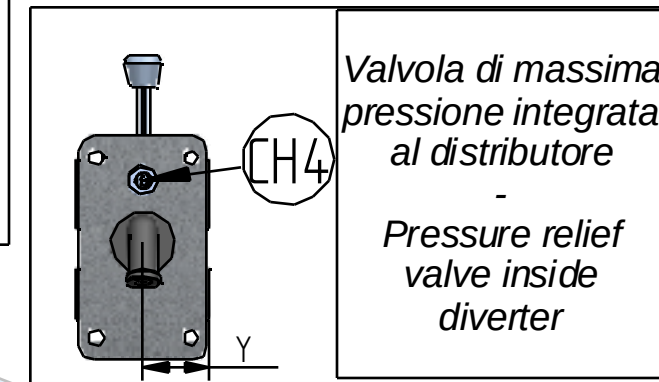
Fori di
scarico
-
Discharging
holes



Descrizione / Codice Description / Code	HPTD	HPTD S	HPTD V	HPTD VS	HPTD VOUT	HPTD VSOUT	HPTD DCC	HPTD DCC S	HPTD DCC VOUT	HPTD DCC VSOUT	Taratura valvola di massima pressione - Relief valve setting min - max (bar)
Soffietto Bellows	S	X		X		X		X		X	
Distributore 4/3 centro aperto Open centre 4/3 diverter	X	X	X	X	X	X					
Distributore 4/3 centro chiuso Closed centre 4/3 diverter	DCC						X	X	X	X	30 - 400
Valvola di massima pressione integrata al distributore Pressure relief valve inside diverter	V		X	X							Comunque non oltre la pressione massima della pompa - However not over the pump's max pressure
Valvola di massima pressione esterna Outside pressure relief valve	VOUT				X	X			X	X	
Foro di scarico - Discharging hole (E)	X	X	X	X	X	X	X	X	X	X	
Foro di scarico - Discharging hole (F)					X	X			X	X	
Y (mm)	36	36	36	36	59	59	36	36	59	59	



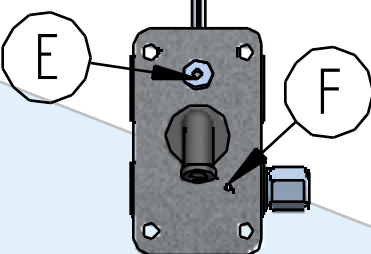
Kit di montaggio al serbatoio
-
Mounting kit to oil tank



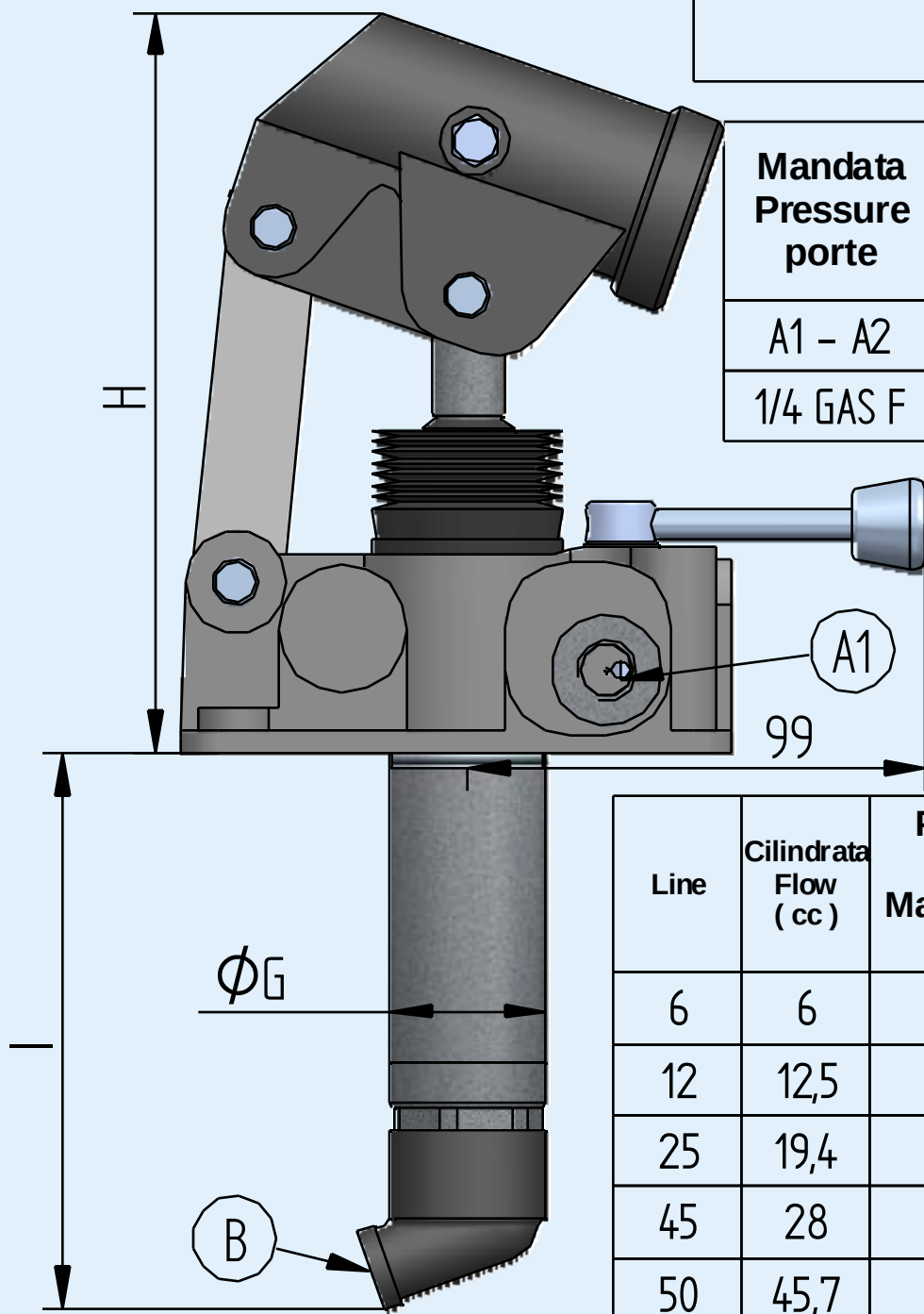
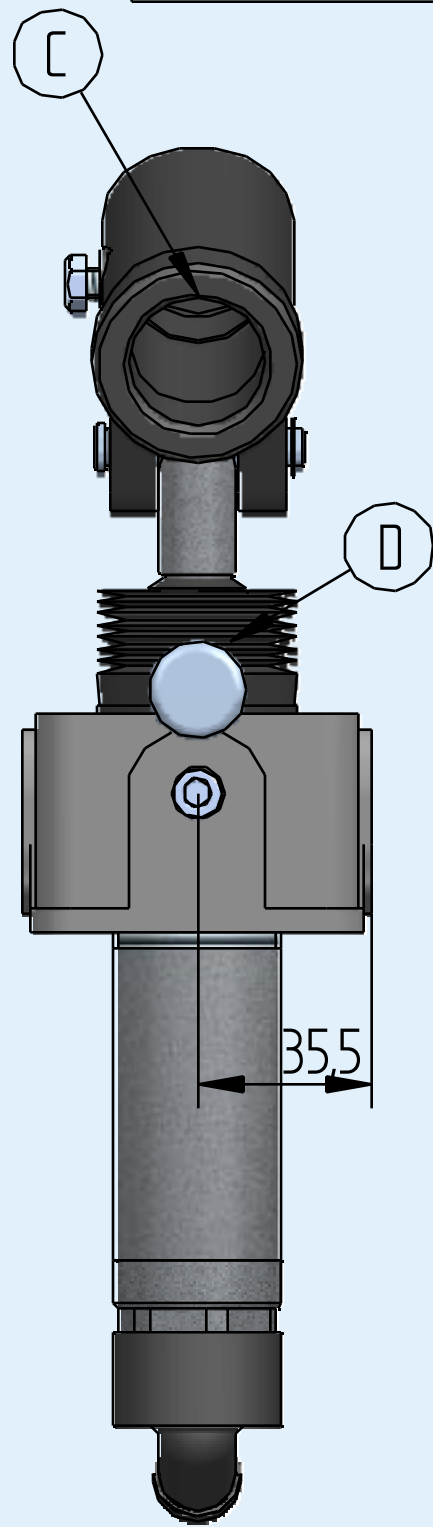
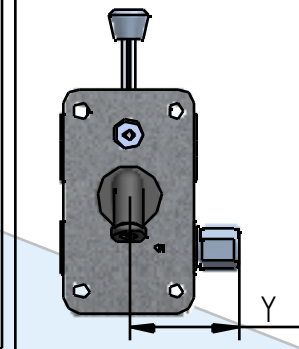
Valvola di massima pressione integrata al distributore
-
Pressure relief valve inside diverter

Montaggio: Qualsiasi posizione
Mounting: Any position

Fori di scarico
-
Discharging holes

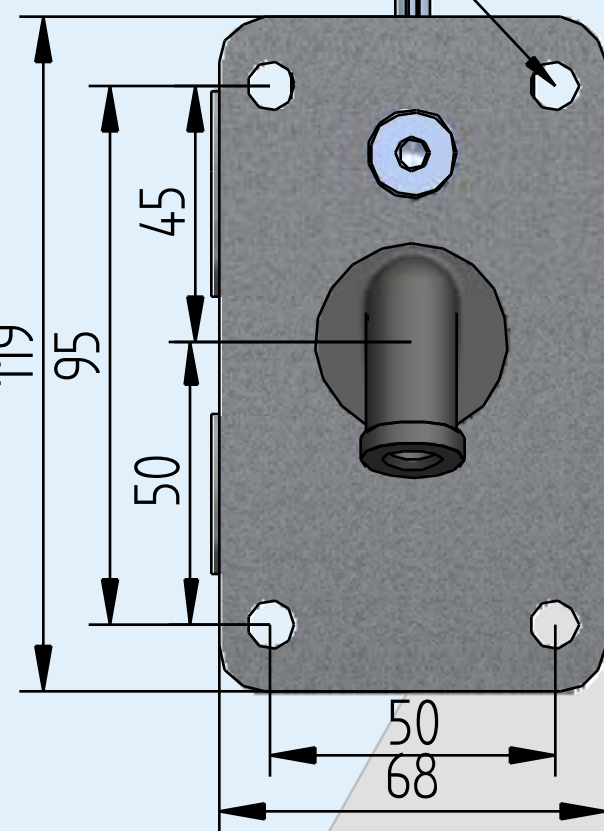
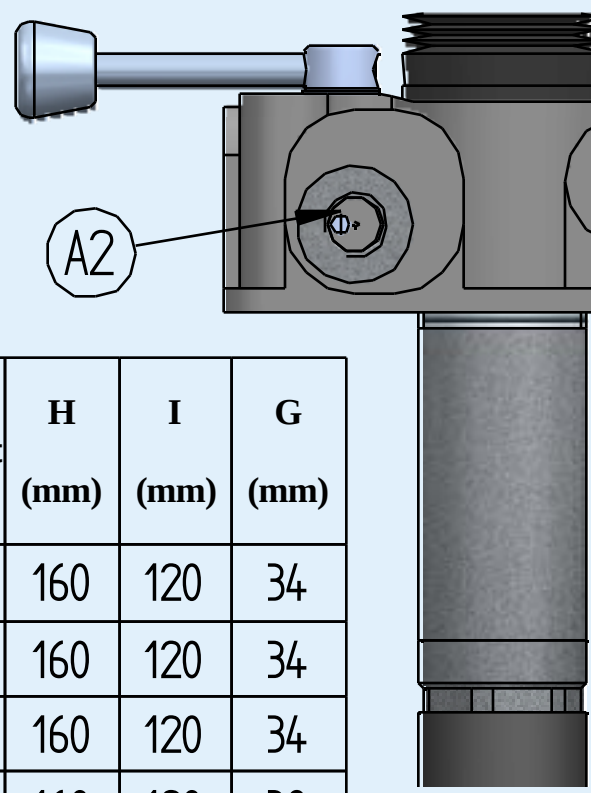


Valvola di massima pressione esterna
-
Outside pressure relief valve



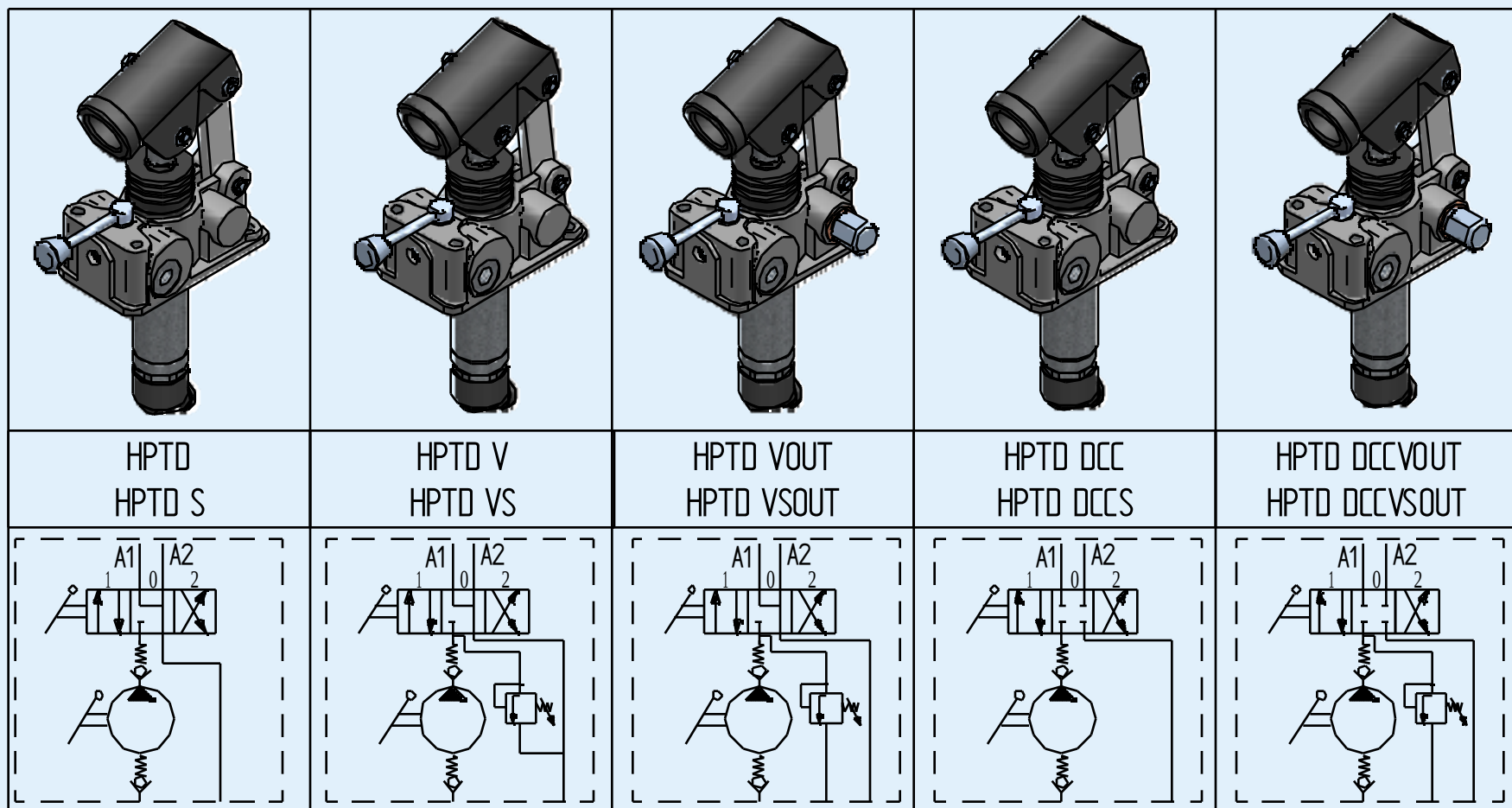
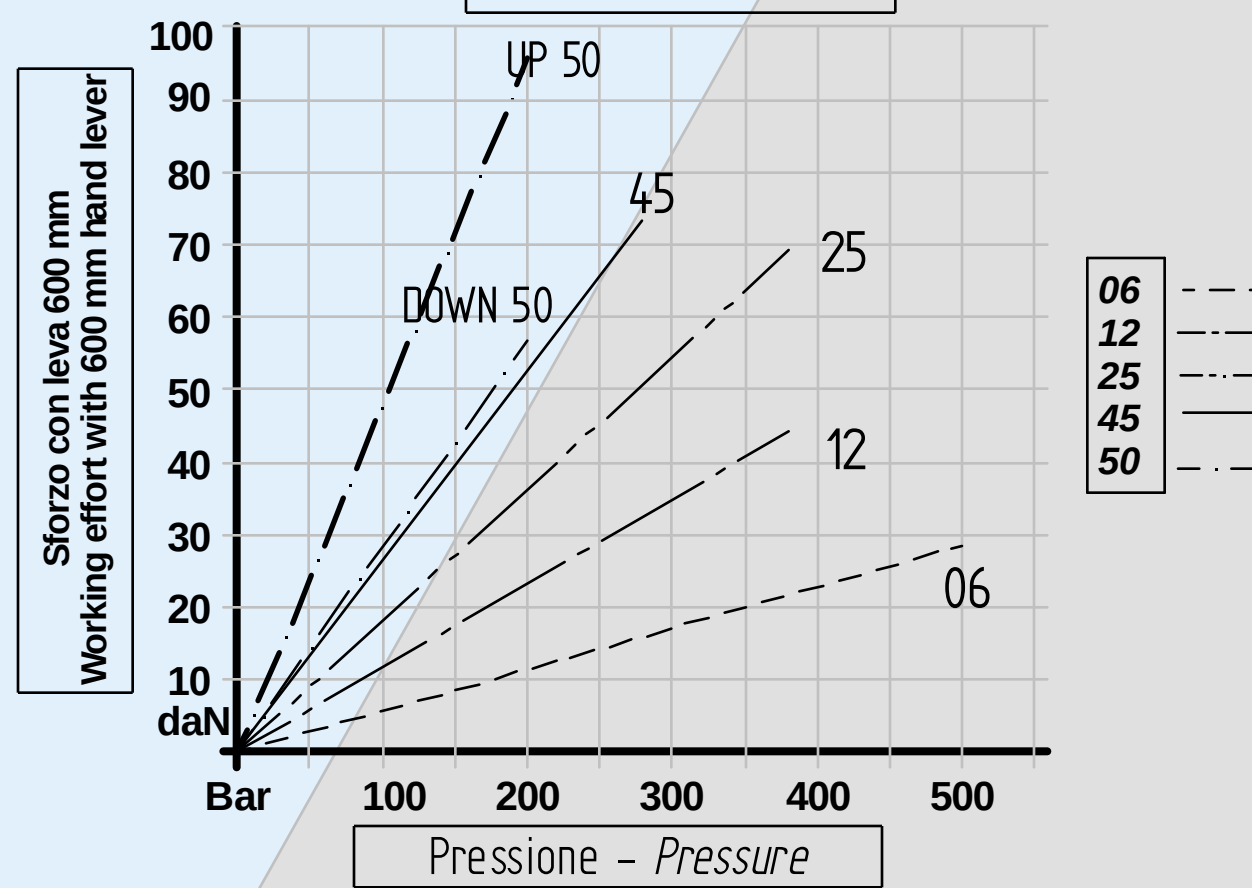
Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows
A1 - A2 1/4 GAS F	B	C 27 mm	D

N°4 FORI Ø8,5 mm
N°4 HOLES Ø8,5 mm



Line	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)	H (mm)	I (mm)	G (mm)
6	6	400	3,1	160	120	34
12	12,5	320	3,0	160	120	34
25	19,4	300	3,1	160	120	34
45	28	250	3,2	160	120	38
50	45,7	200	3,8	160	120	38

Diagramma prove di carico
Load curve



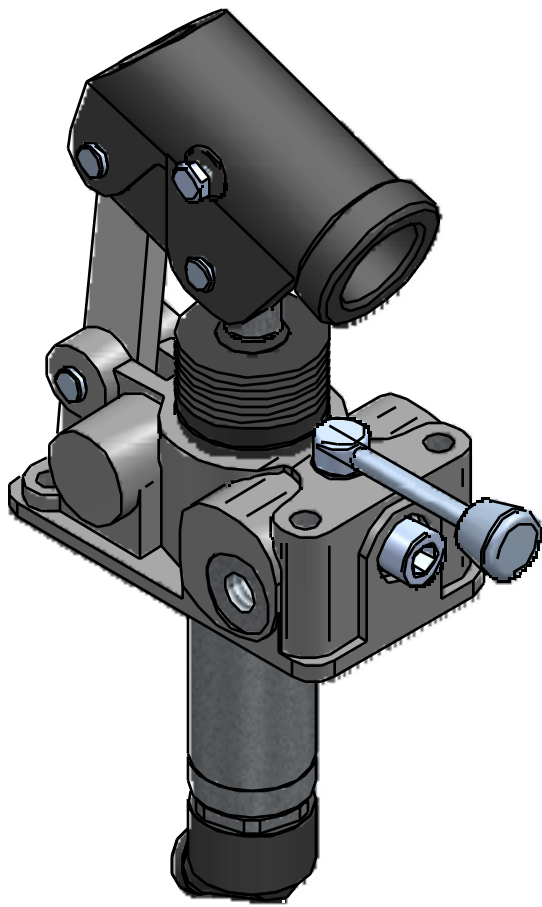
Dati tecnici indicativi e non impegnativi.
L'azienda si riserva di apportare modifiche in qualsiasi momento e senza preavviso.
Technical data not binding. Modifications reserved without prior notice.

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Phone: +39(0)516828230 - E-mail: staff@glhydraulic.it - www.glhydraulic.it
C.F. - P.I.: IT01808760357

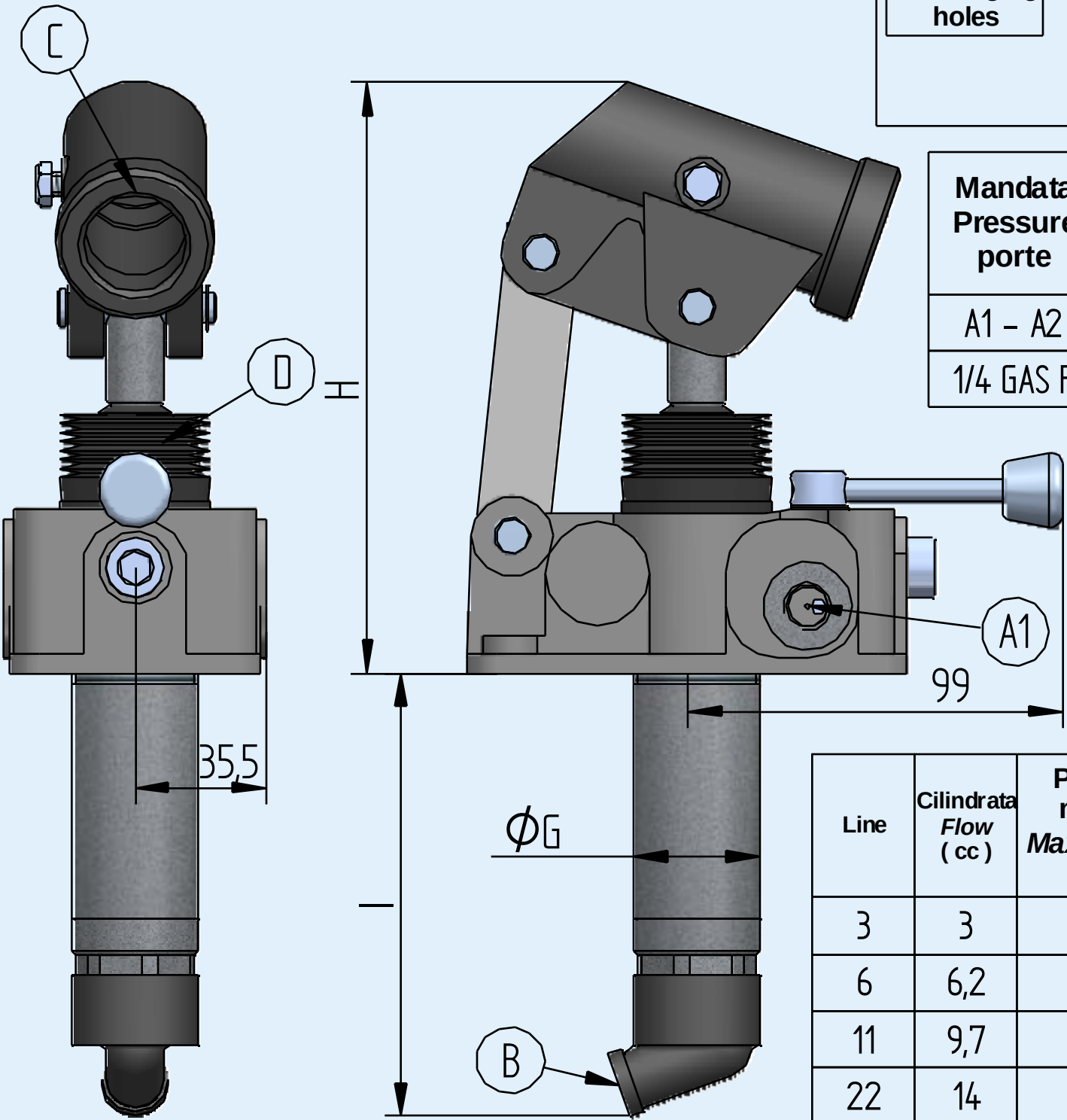
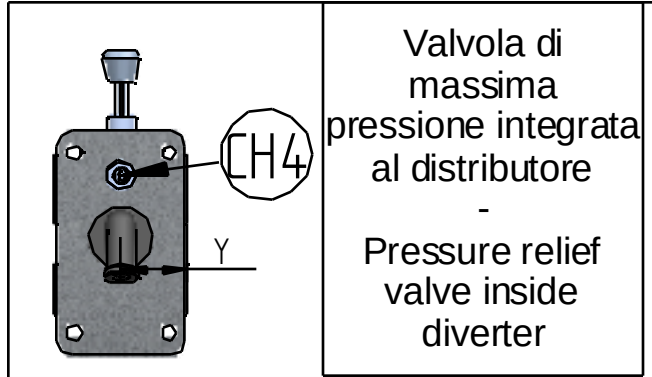
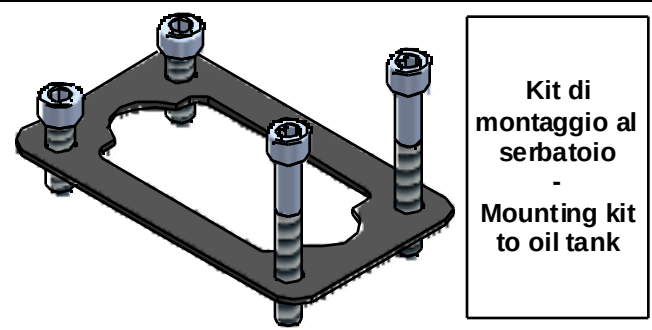
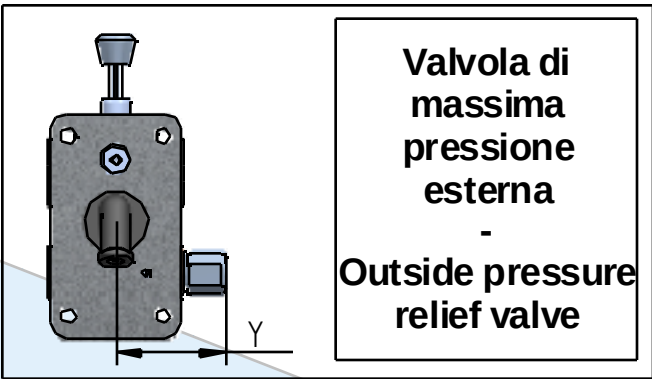
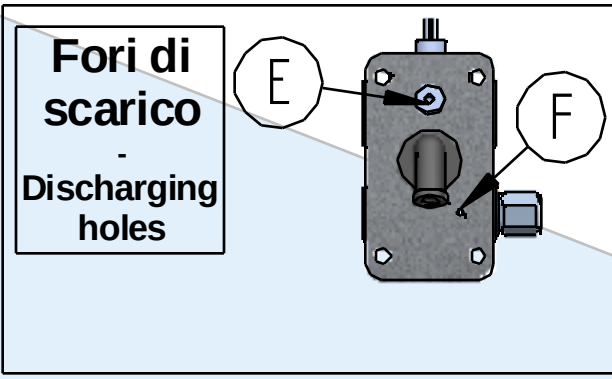
Ed. 2023

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Descrizione / Codice Description / Code	HPTDSE	HPTDSE S	HPTDSE V	HPTDSE VS	HPTDSE VOUT	HPTDSE VSOUT	HPTDSE DCC	HPTDSE DCC S	HPTDSE DCC VOUT	HPTDSE DCC VSOUT	Taratura valvola di massima pressione - Relief valve setting min - max (bar)
Soffietto Bellows	S	X		X		X		X		X	
Distributore 4/3 centro aperto Open centre 4/3 diverter	X	X	X	X	X	X					30 - 250
Distributore 4/3 centro chiuso Closed centre 4/3 diverter							X	X	X	X	
Valvola di massima pressione integrata al distributore Pressure relief valve inside diverter			X	X							Comunque non oltre la pressione massima della pompa - However not over the pump's max pressure
Valvola di massima pressione esterna Outside pressure relief valve					X	X			X	X	
Foro di scarico - Discharging hole (E)	X	X	X	X	X	X	X	X	X	X	
Foro di scarico - Discharging hole (F)					X	X			X	X	
Y (mm)	36	36	36	36	59	59	36	36	59	59	



Montaggio: Qualsiasi posizione
Mounting: Any position



Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows
A1 - A2 1/4 GAS F	B	C 27 mm	D

Line	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)	H (mm)	I (mm)	G (mm)
3	3	250	3,1	145	100	34
6	6,2	250	3,0	145	95	34
11	9,7	250	3,1	145	108	34
22	14	250	3,2	148	114	38

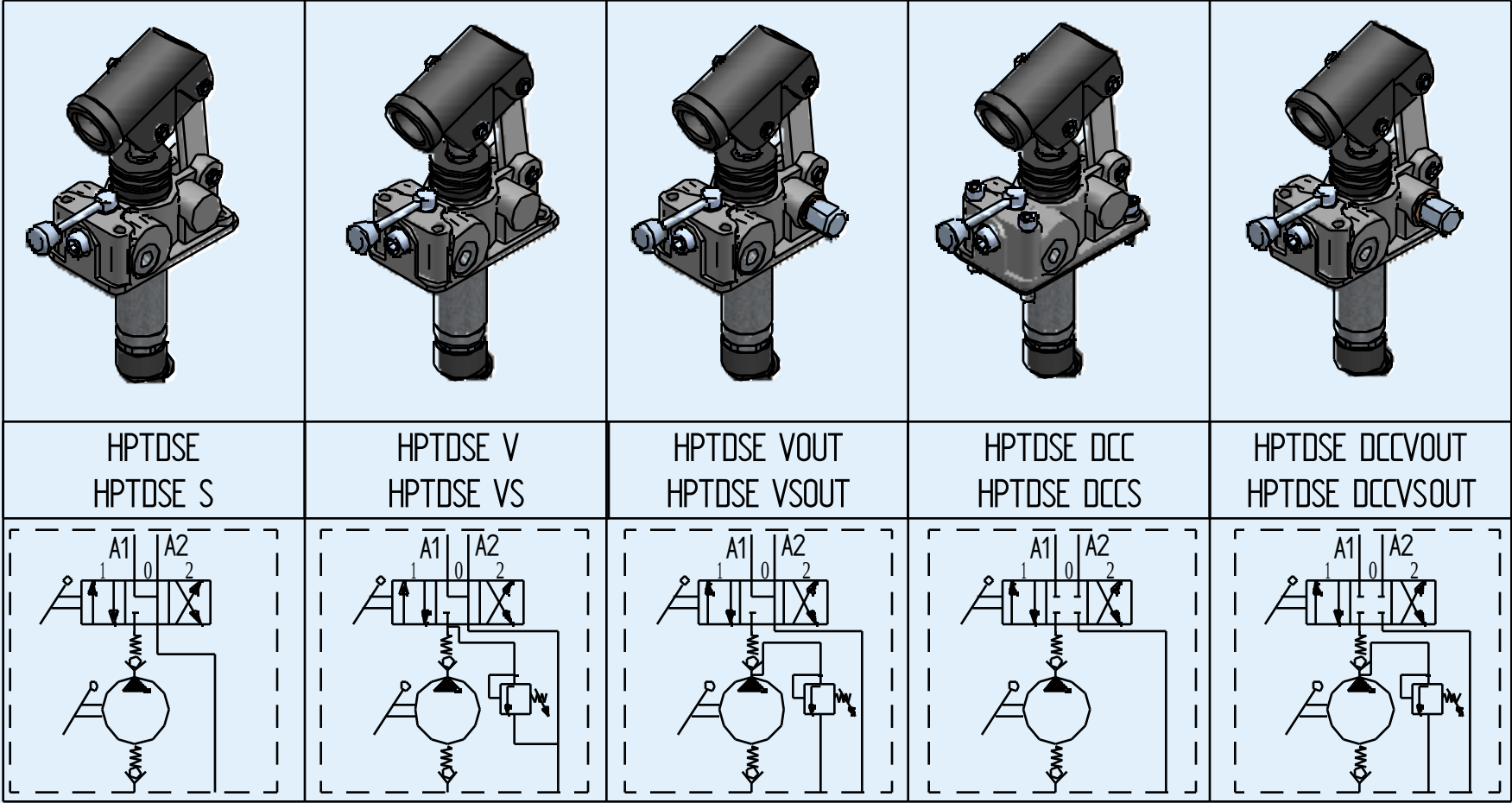
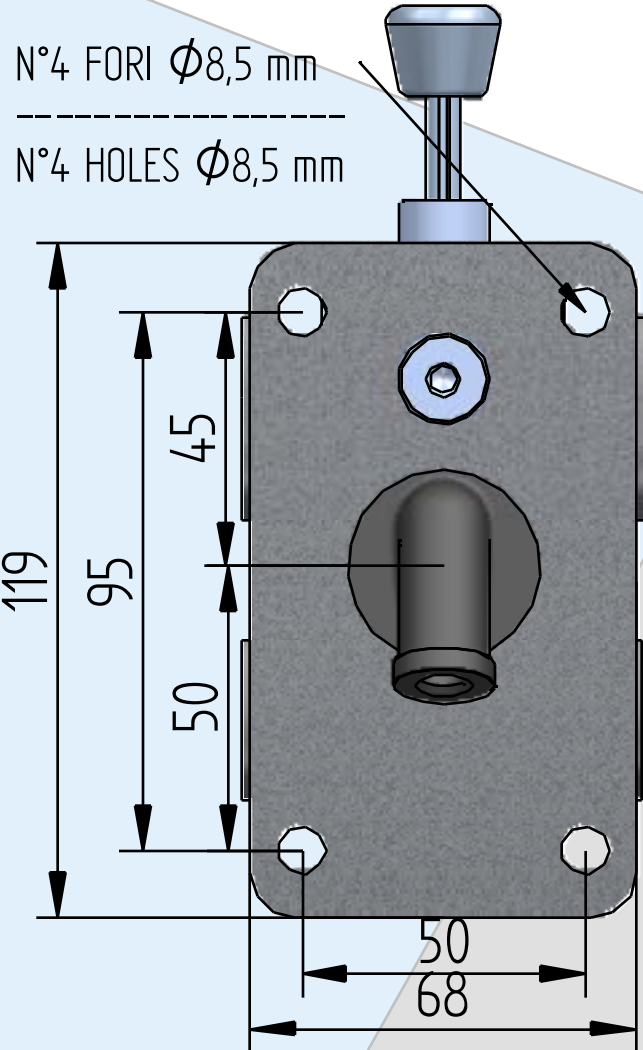
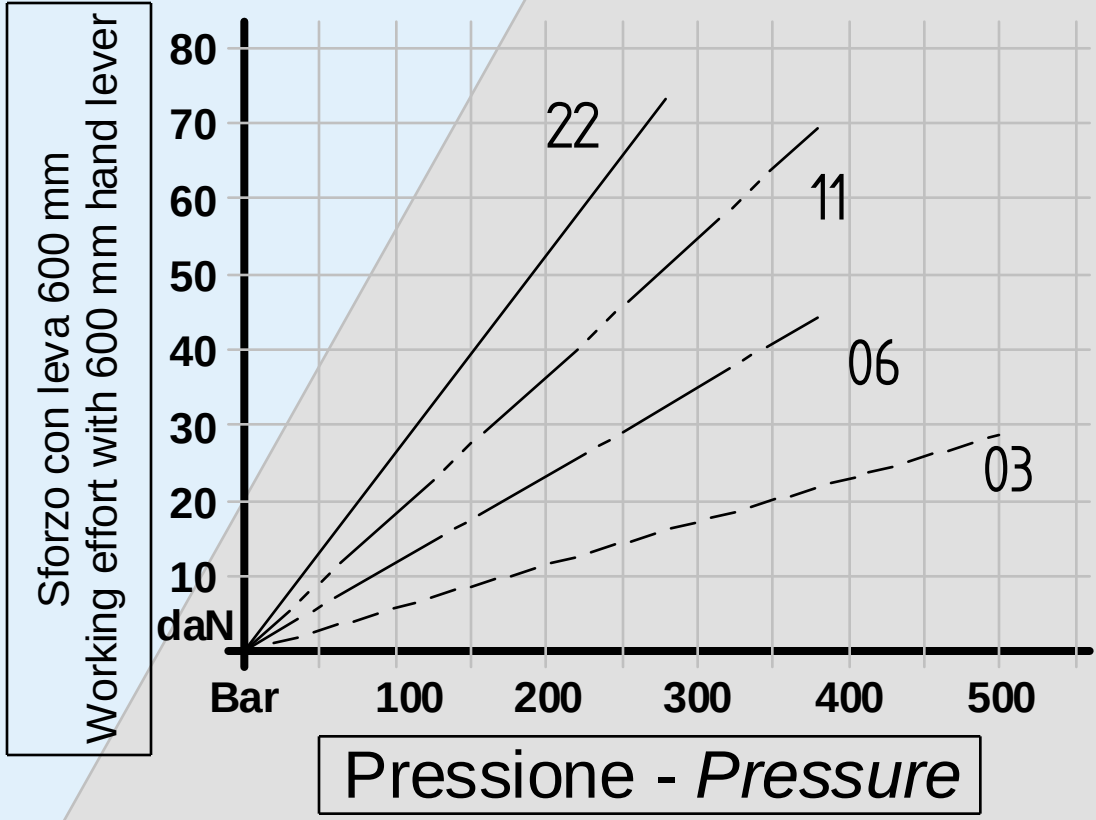


Diagramma prove di carico
Load curve



HPTDVB

Iron cast body

Stainless steel rod piston

Funzionamento a doppio effetto con valvole di blocco per cilindro a
doppio effetto

Double-stroke with dual pilot check valves for a double acting cylinder



Descrizione / Codice Description / Code	HPTDVB	HPTDVB S	HPTDVB V	HPTDVB VS
Soffietto Bellows S		X		X
Distributore 4/3 centro aperto Open centre 4/3 diverter	X	X	X	X
Valvola di massima pressione integrata al distributore Pressure relief valve inside diverter V			X	X
Foro di scarico - Discharging hole (E)	X	X	X	X

Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows
A1 - A2 3/8 GAS M	B	C 27 mm	D

Taratura
valvola di
massima
pressione
-
Relief valve
setting
min - max
(bar)
30 - 250
Comunque non
oltre la
pressione
massima della
pompa
-
However not
over the
pump's max
pressure

Line	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)	H (mm)	I (mm)	G (mm)
6	6	250	3,1	160	120	34
12	12,5	250	3,0	160	120	34
25	19,4	250	3,1	160	120	34
45	28	250	3,2	160	120	38

Rapporto di pilotaggio
1:4
Pilot ratio

Pressione minima di esercizio
45 / 50 Bar
Minimum exercise pressure

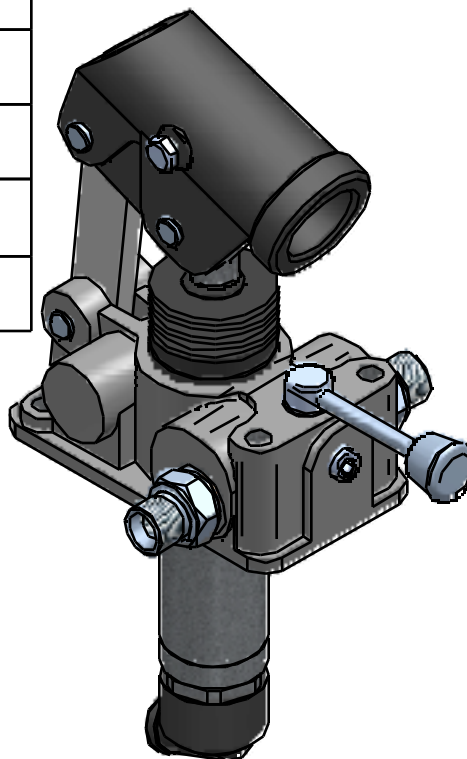
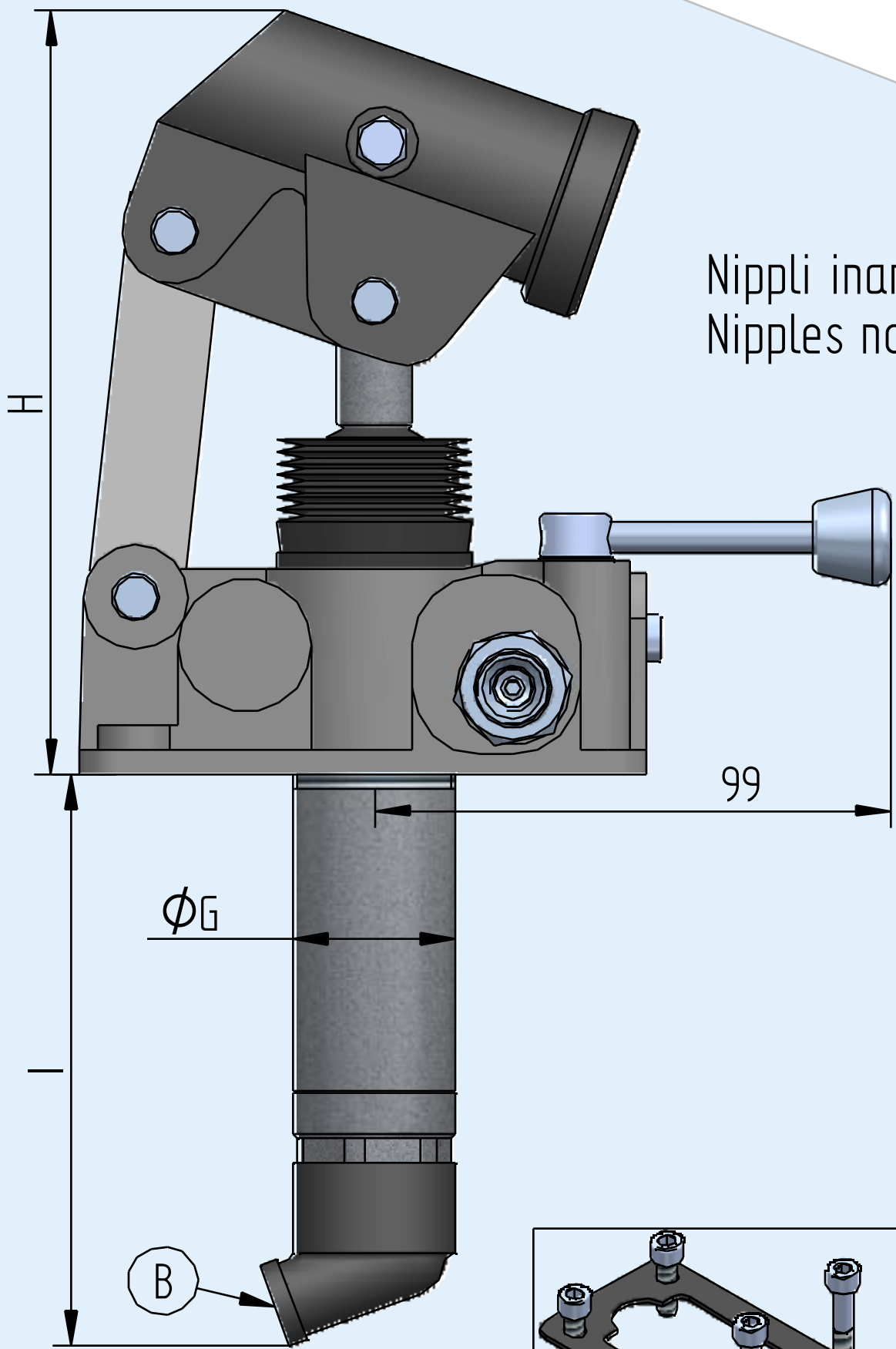
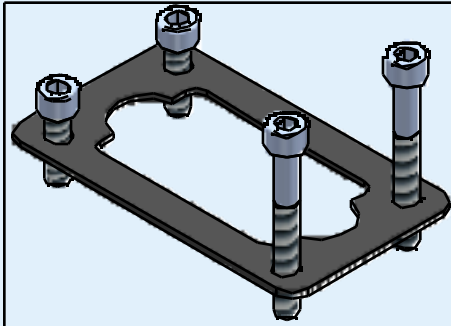
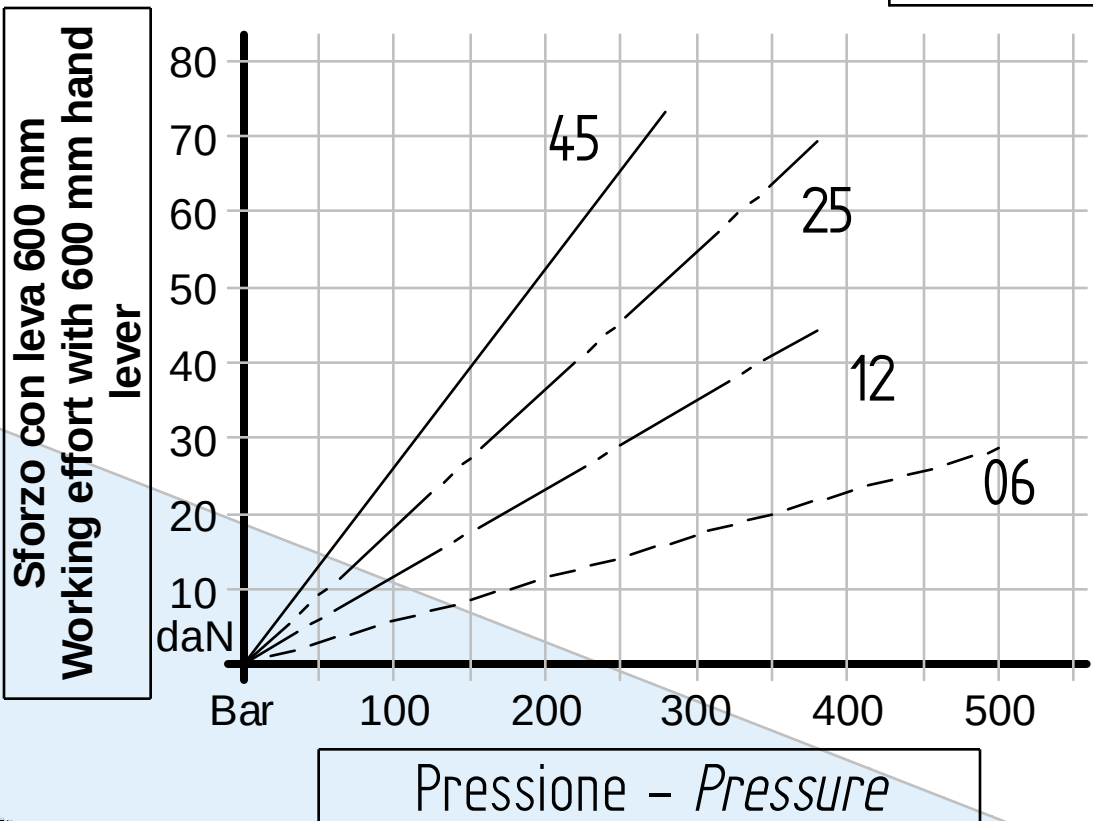
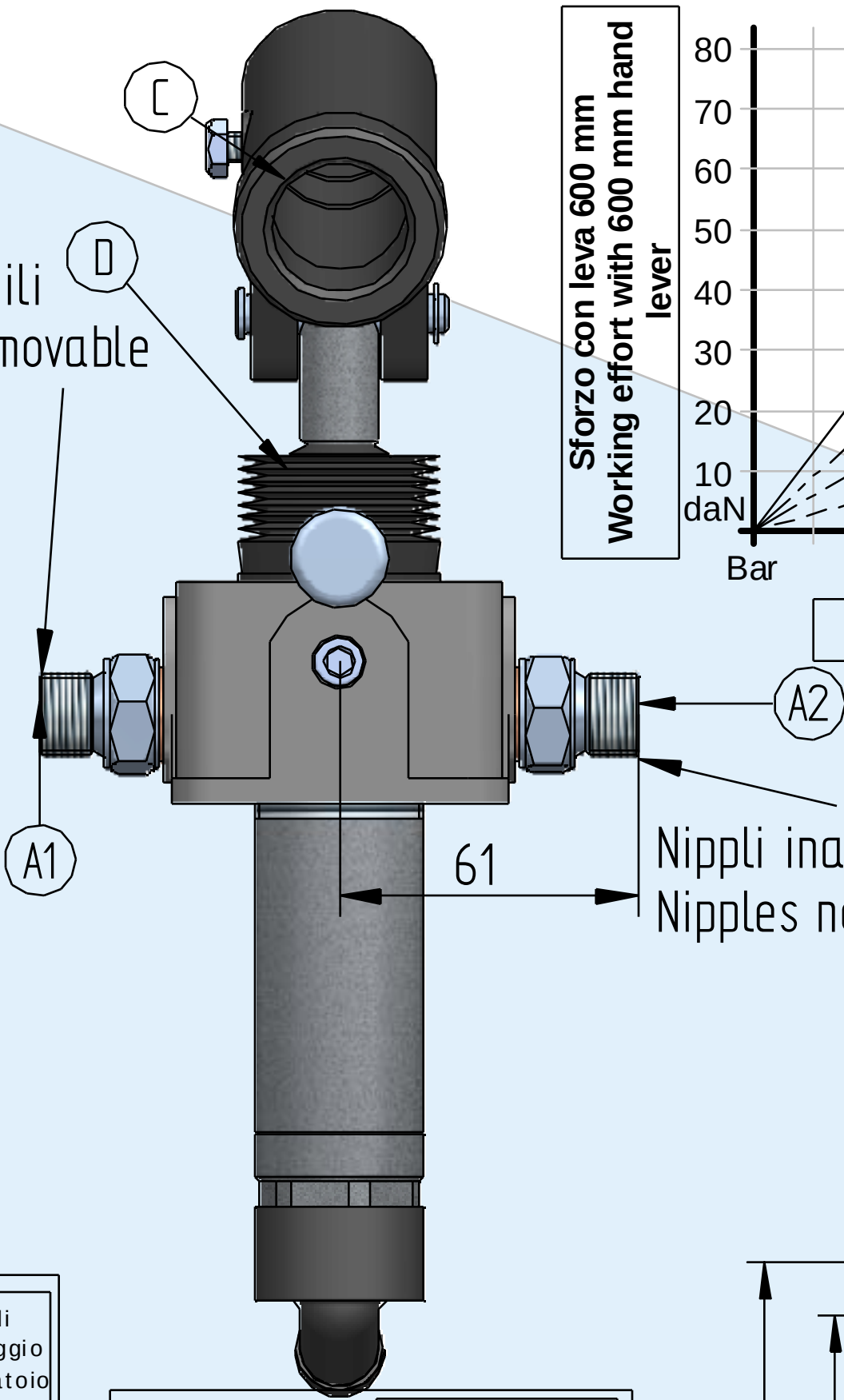


Diagramma prove di carico
Load curve

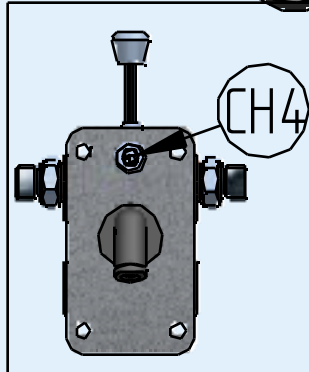
06 ---
12 ---
25 ---
45 ---



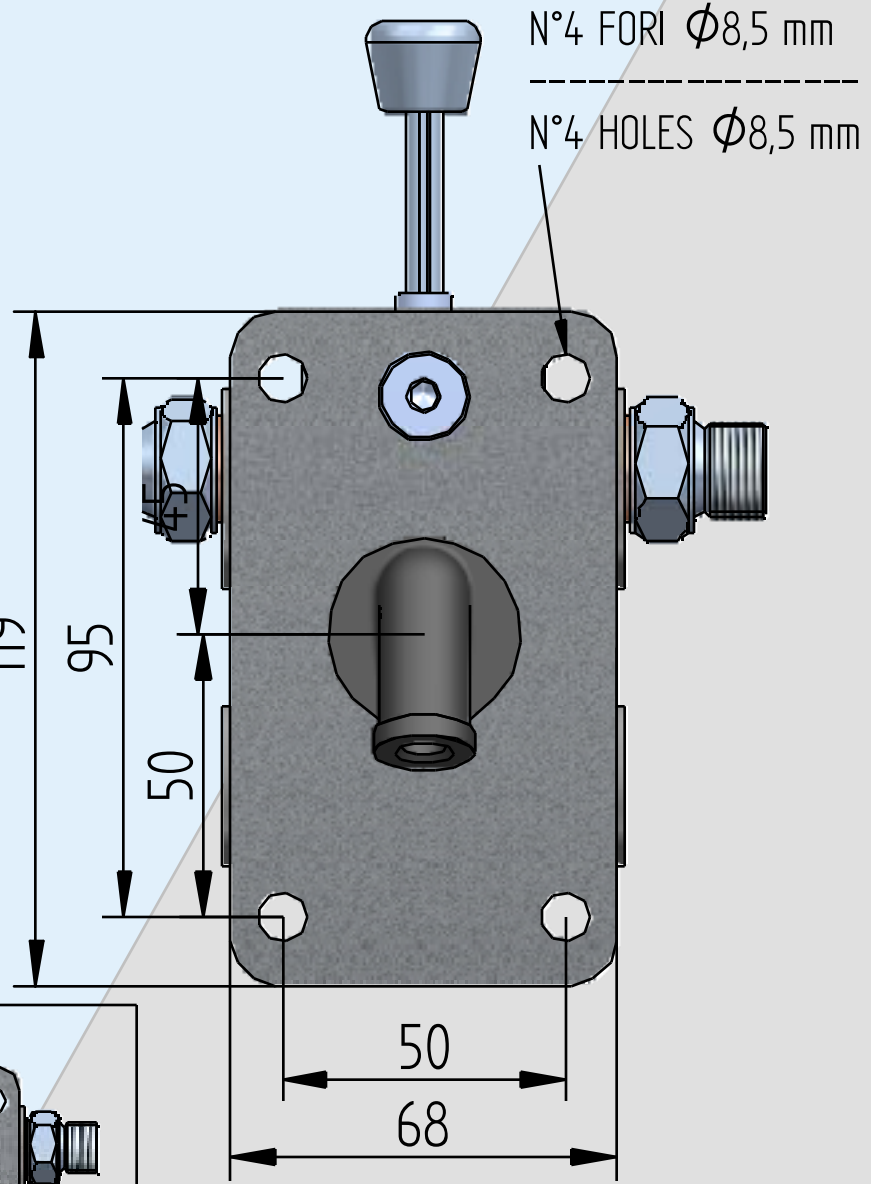
Nippli inamovibili
Nipples not removable



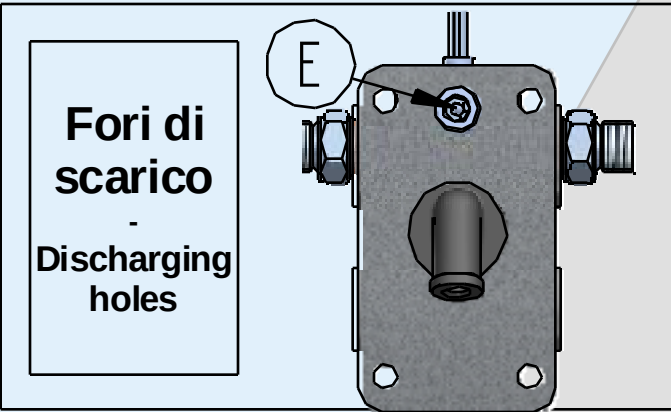
Kit di
montaggio
al serbatoio
-
Mounting
kit to oil
tank



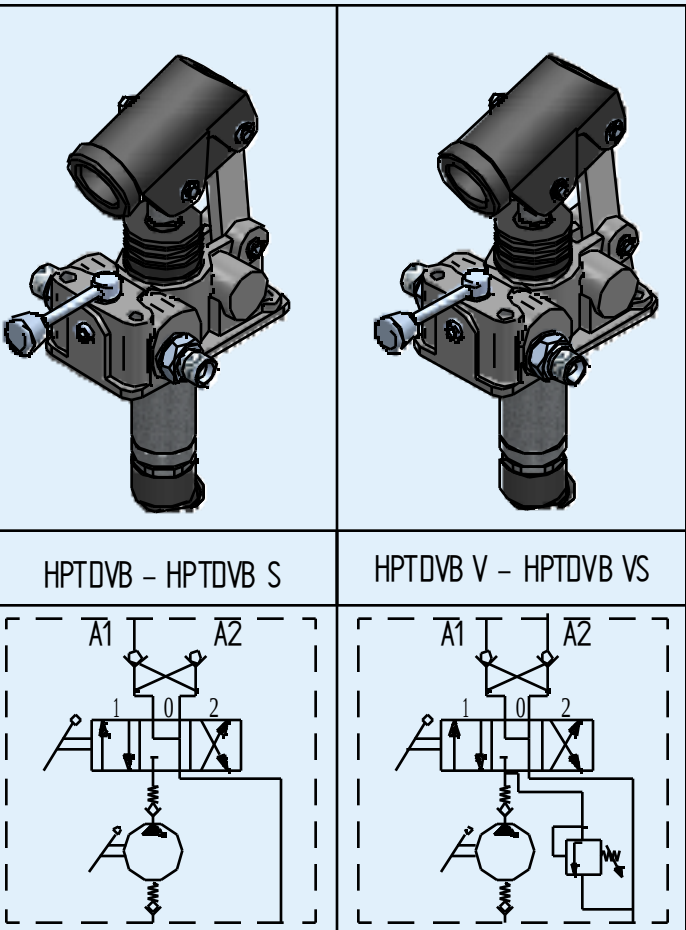
Valvola di
massima
pressione
integrata al
distributore
-
Pressure relief
valve inside
diverter



Montaggio: Qualsiasi posizione
Mounting: Any position



Fori di
scarico
-
Discharging
holes



Dati tecnici indicativi e non impegnativi.
L'azienda si riserva di apportare modifiche in qualsiasi momento e senza preavviso.
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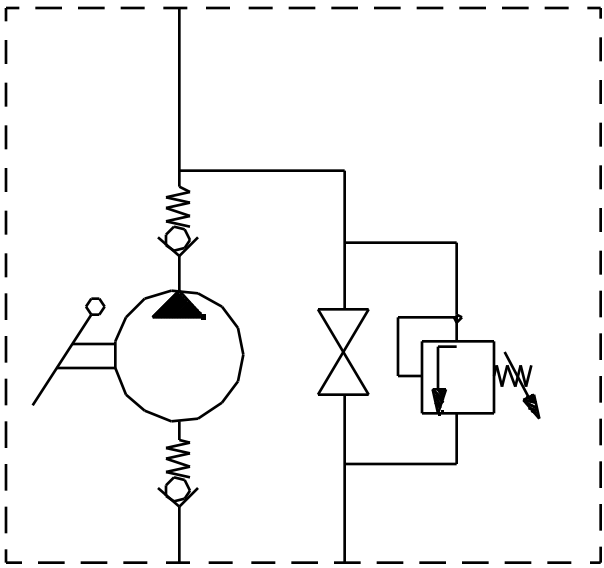
Ed. 2023

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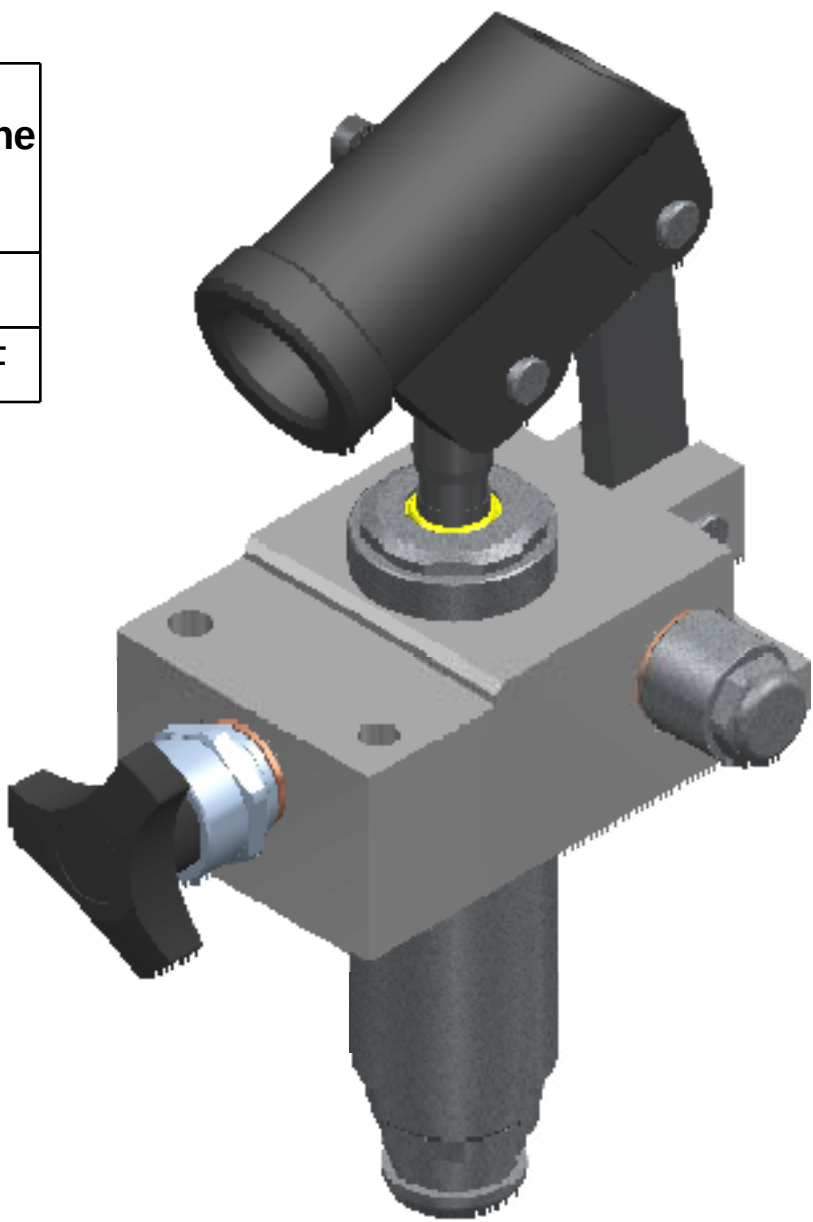


WWW.SUMY.IR

Code	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
ALHPT06V	6	220	2,9
ALHPT12V	12,5	220	2,9
ALHPT25V	19,4	220	2,9
ALHPT45V	28	220	2,9



Mandata Pressure porte	Aspirazione Suction
A	B
3/8 GAS F	1/4 GAS F
Diametro interno porta leva Lever connection inside diameter	
C	
27 mm	



Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pump's max pressure
min - max (bar) 30 - 220

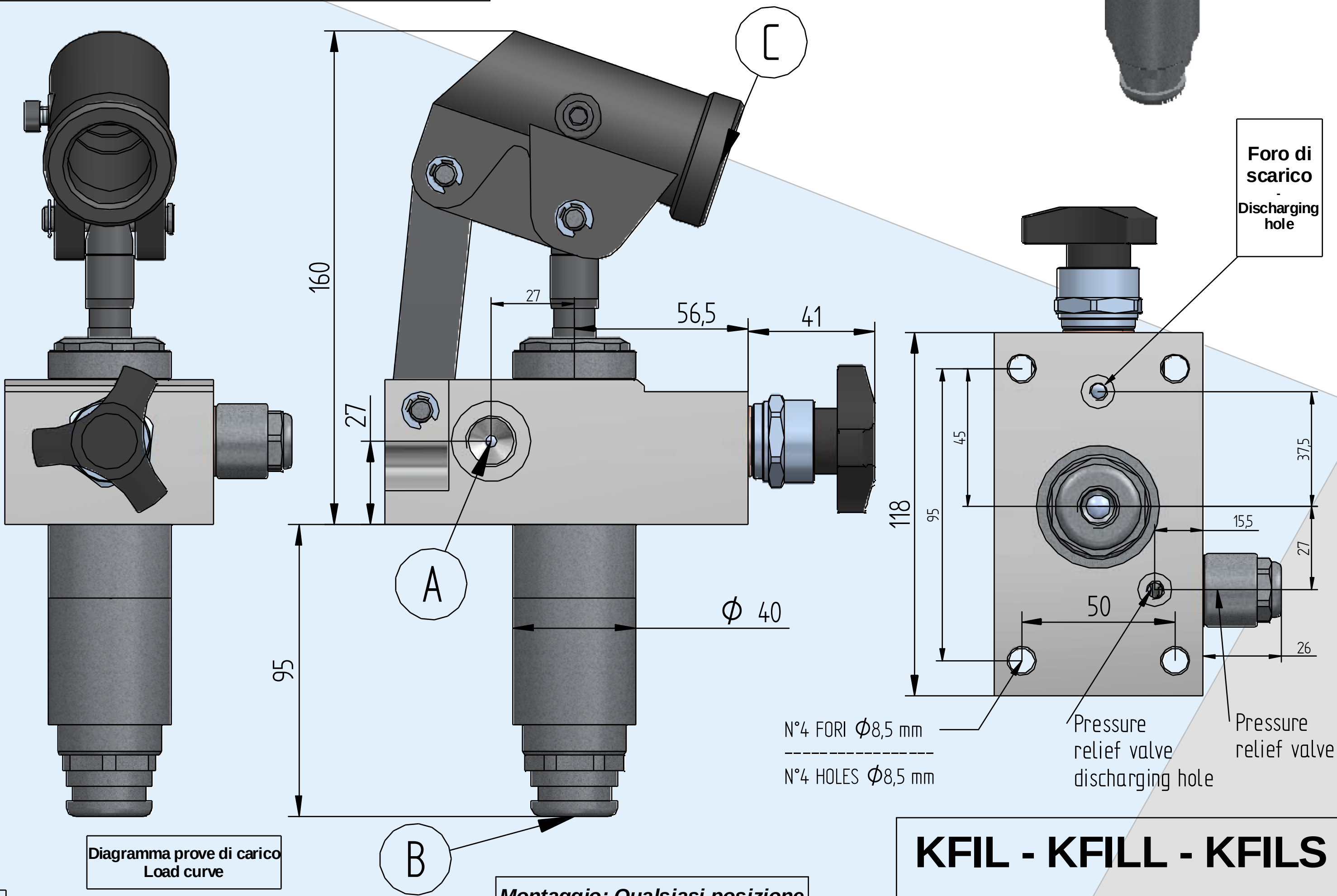
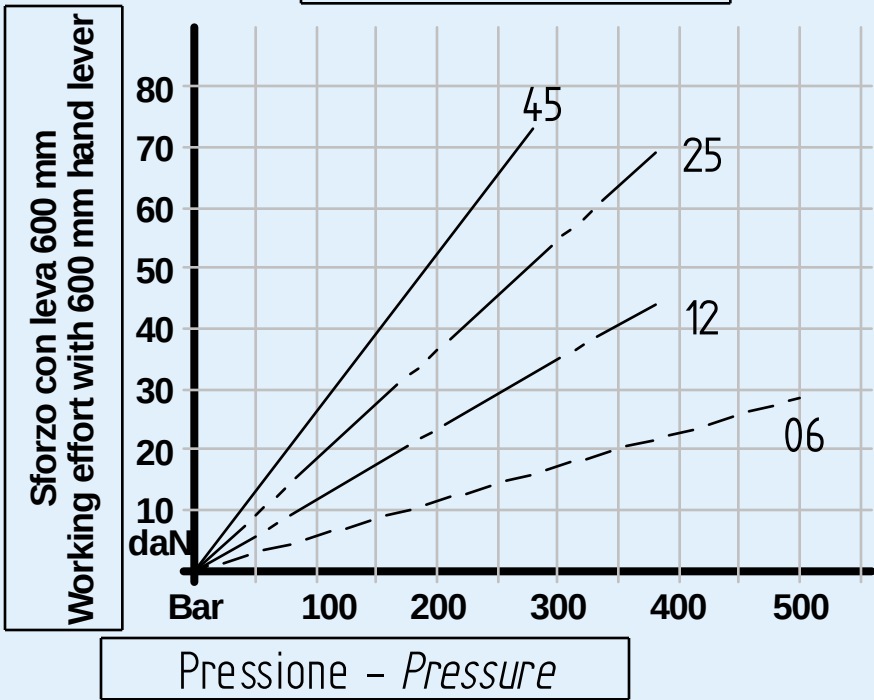
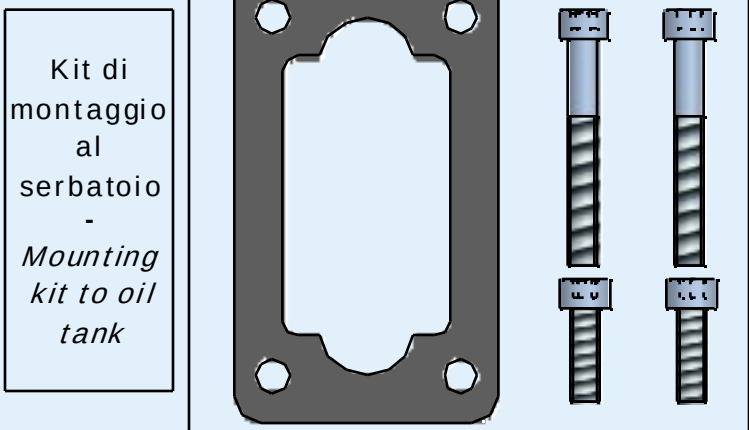


Diagramma prove di carico
Load curve

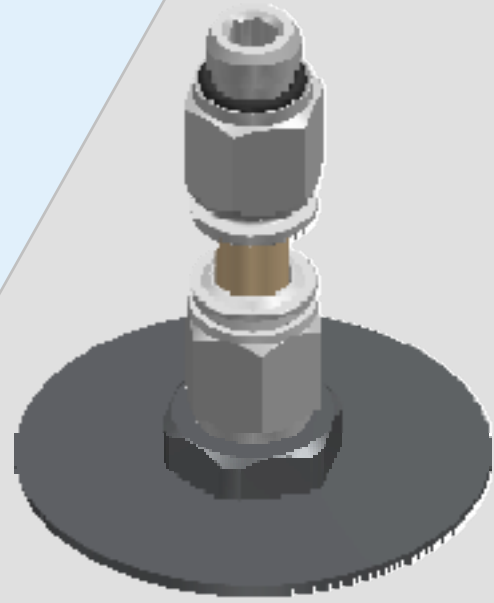


Montaggio: Qualsiasi posizione
Mounting: Any position



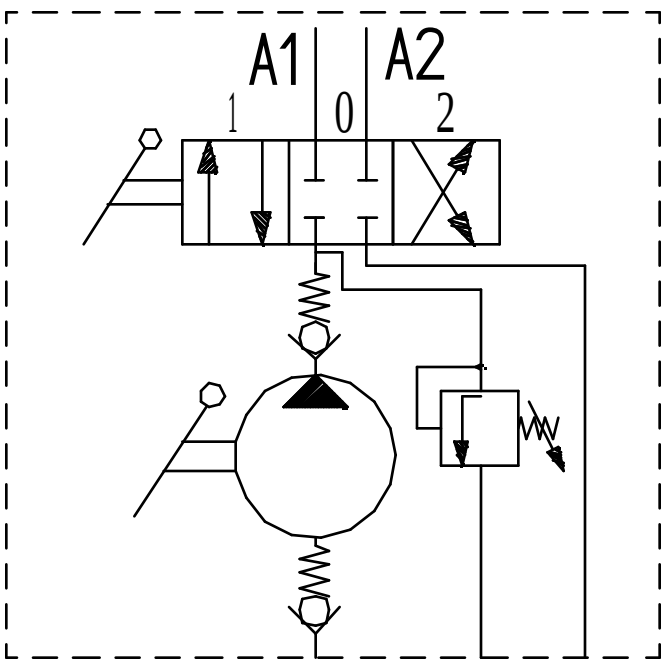
KFIL - KFILL - KFILS

Filtro per aspirazione ordinabile separatamente
Suction filter can be ordered separately



Code	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
ALHPTD06DCCVOUT	6	220	2,9
ALHPTD12DCCVOUT	12,5	220	2,9
ALHPTD25DCCVOUT	19,4	220	2,9
ALHPTD45DCCVOUT	28	220	2,9

Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pump's max pressure
min - max (bar) 30 - 220



Mandata Pressure porte	Aspirazione Suction
A1 - A2	B
1/4 GAS F	1/4 GAS F
Diametro interno porta leva Lever connection inside diameter	
C	
27 mm	

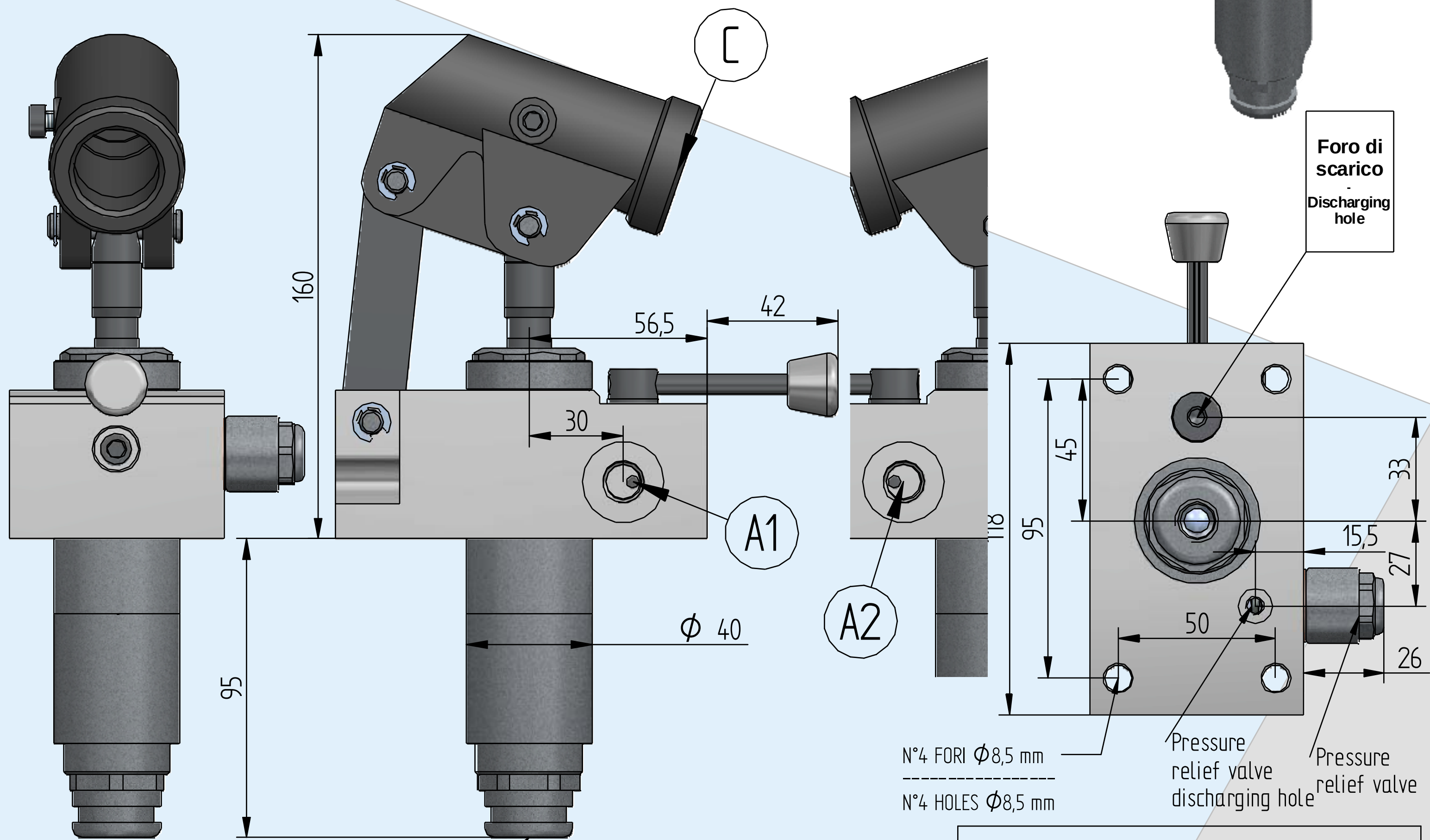
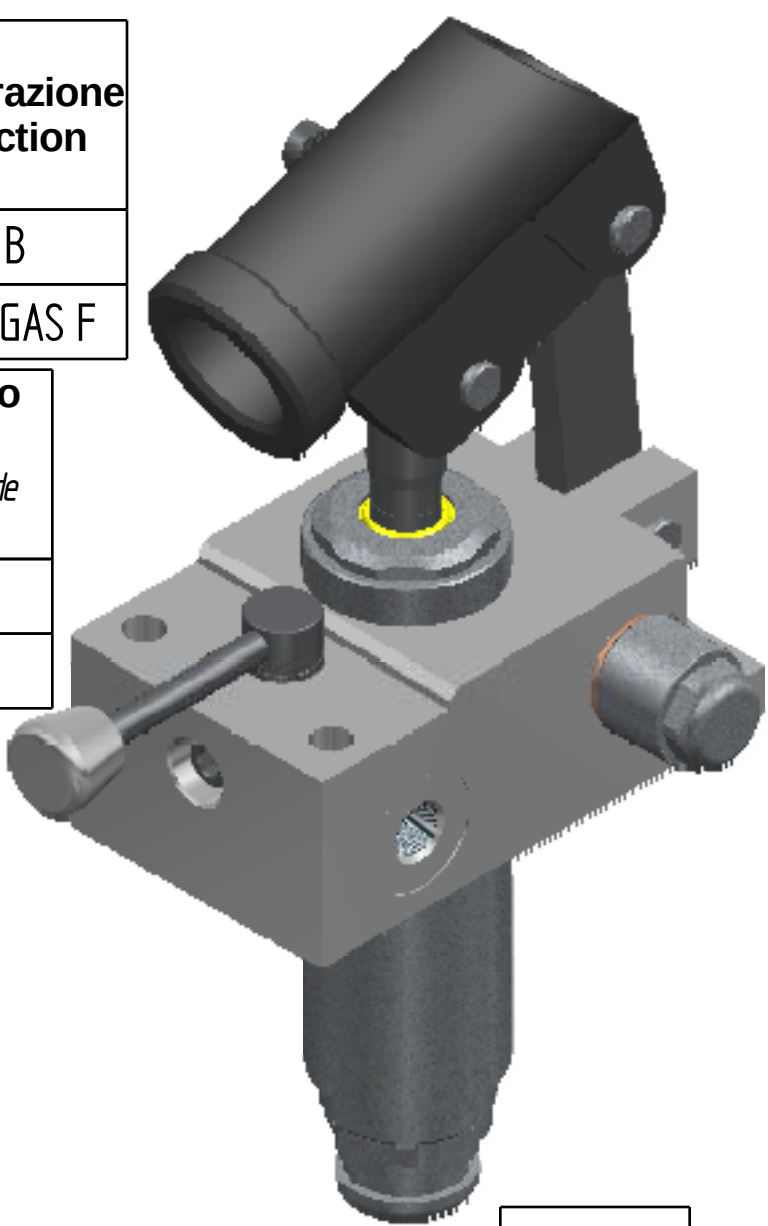
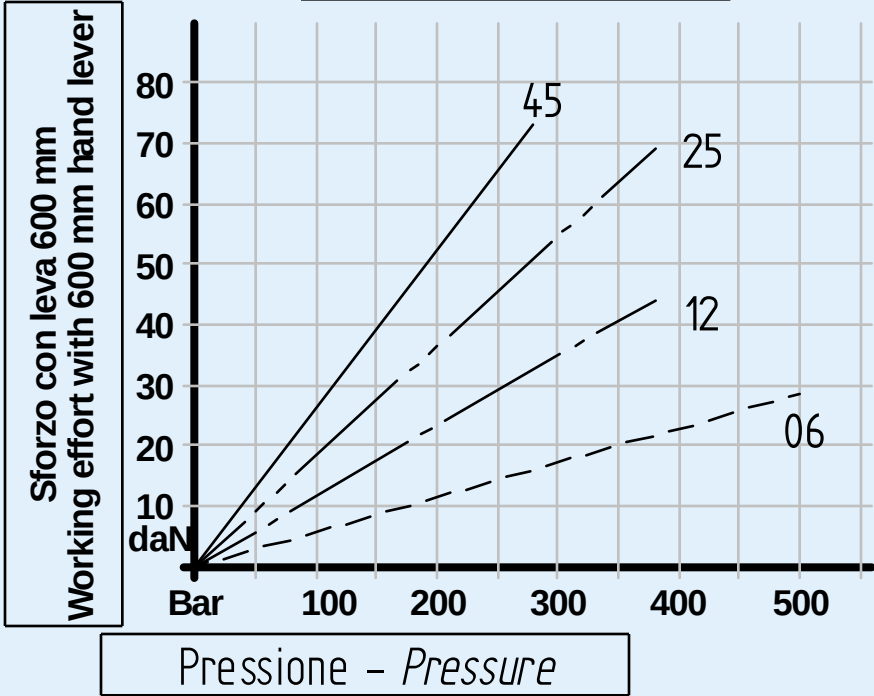
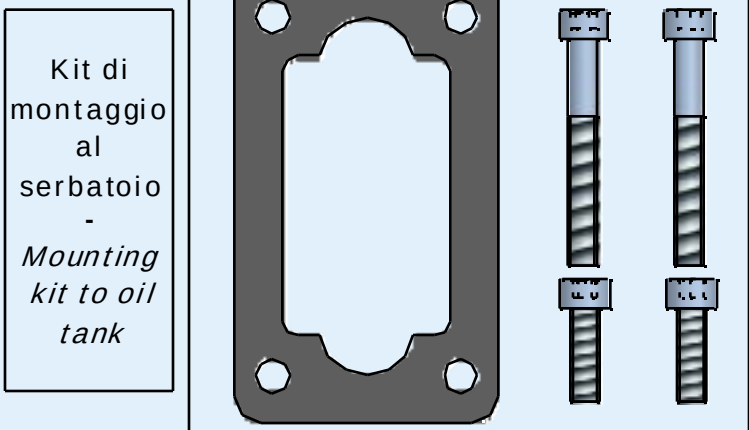


Diagramma prove di carico
Load curve

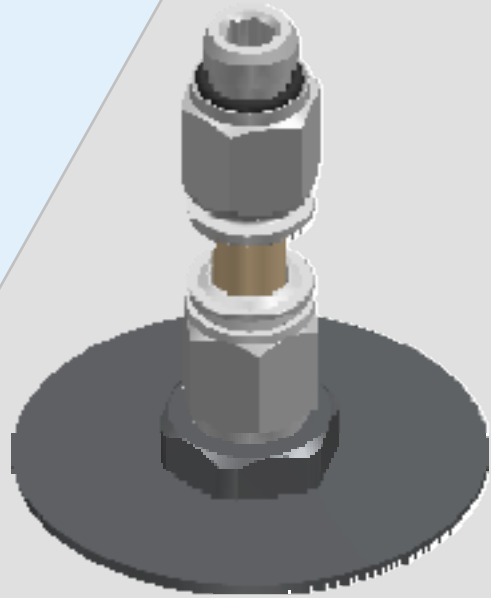


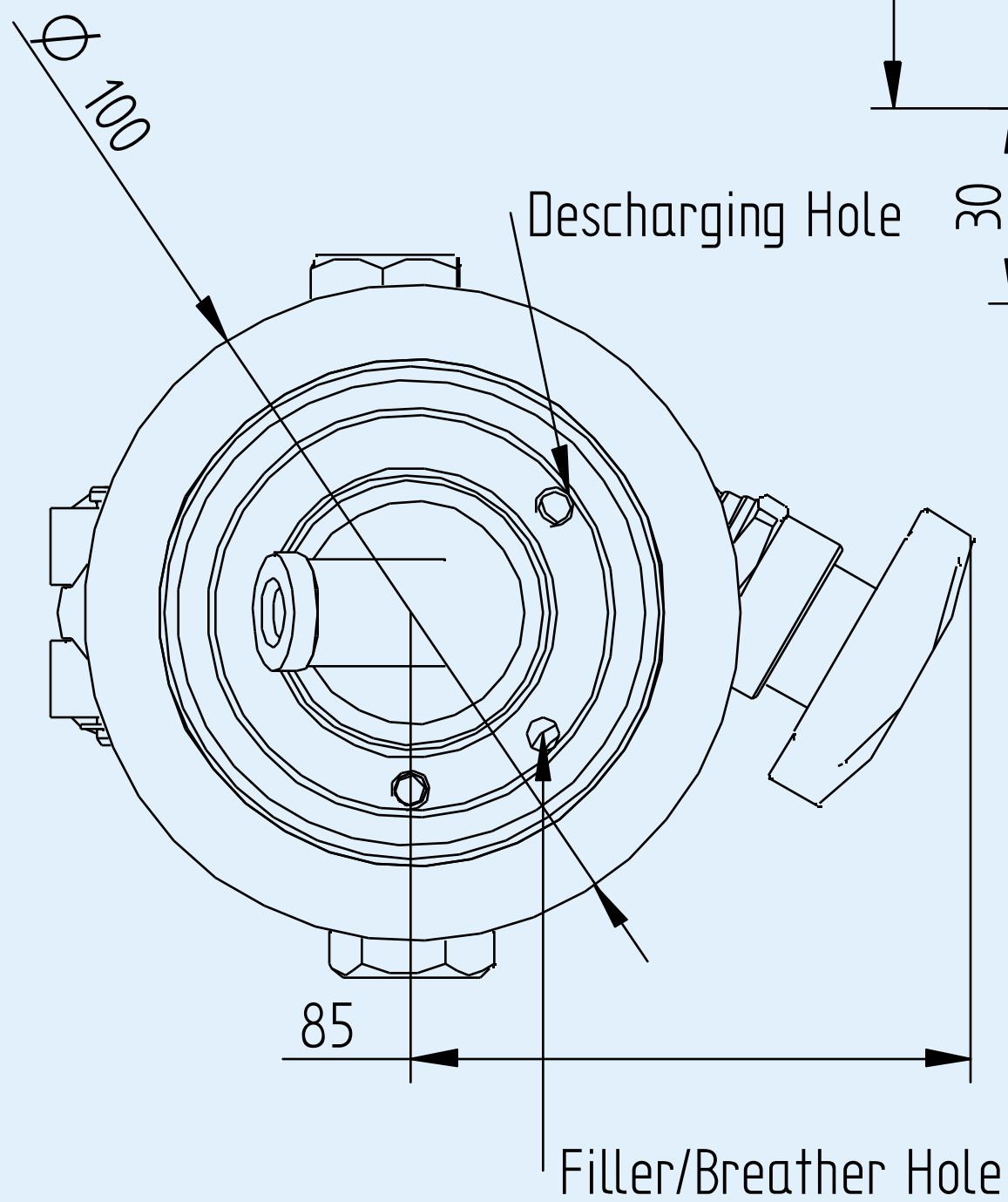
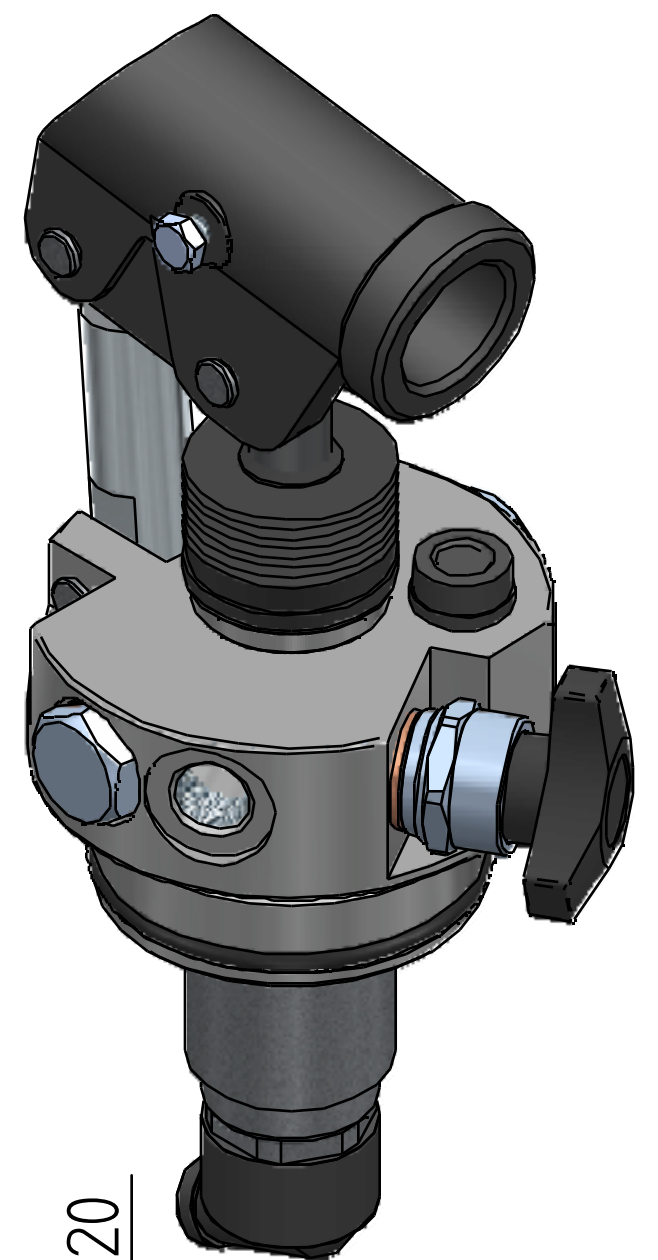
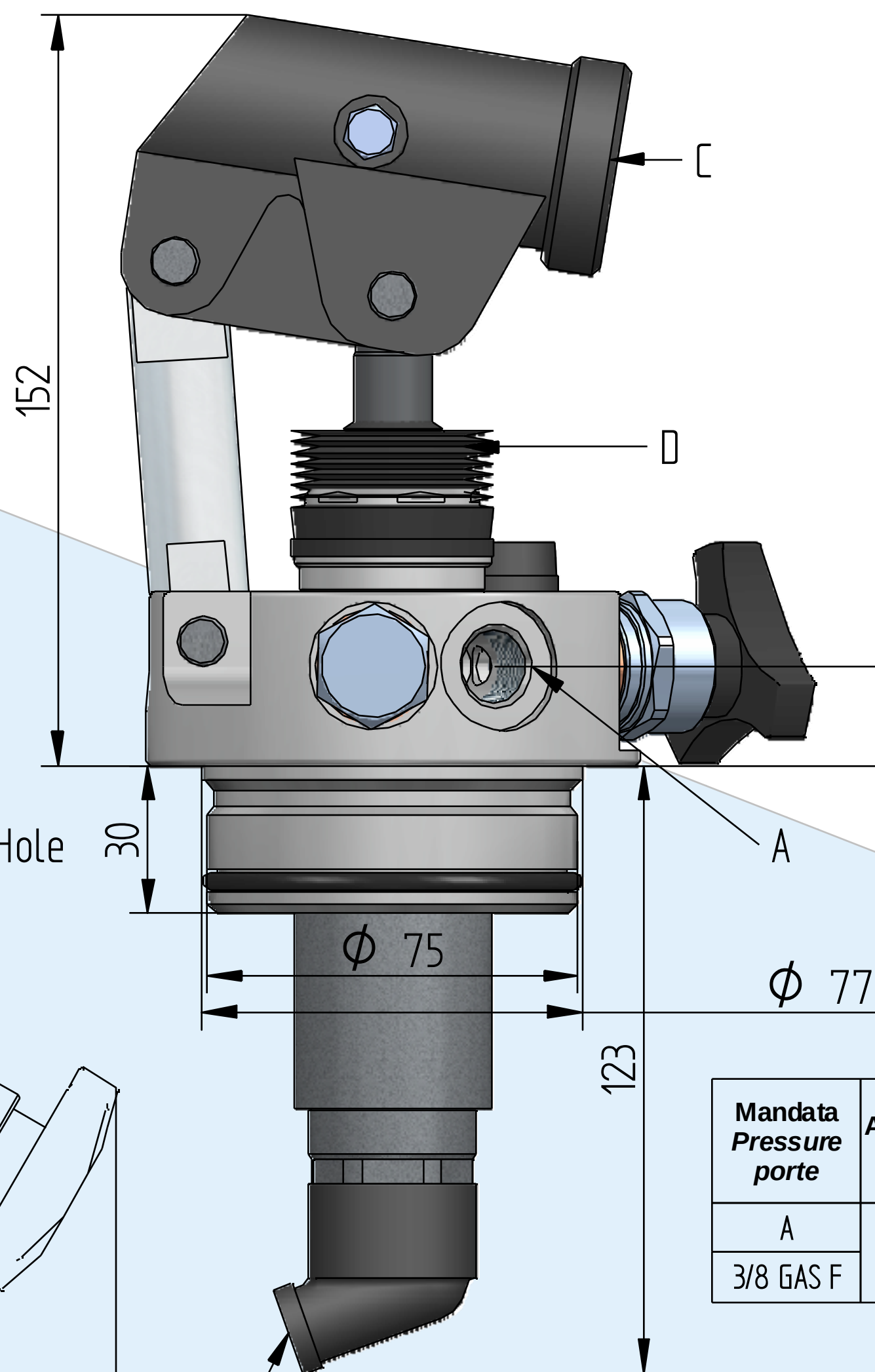
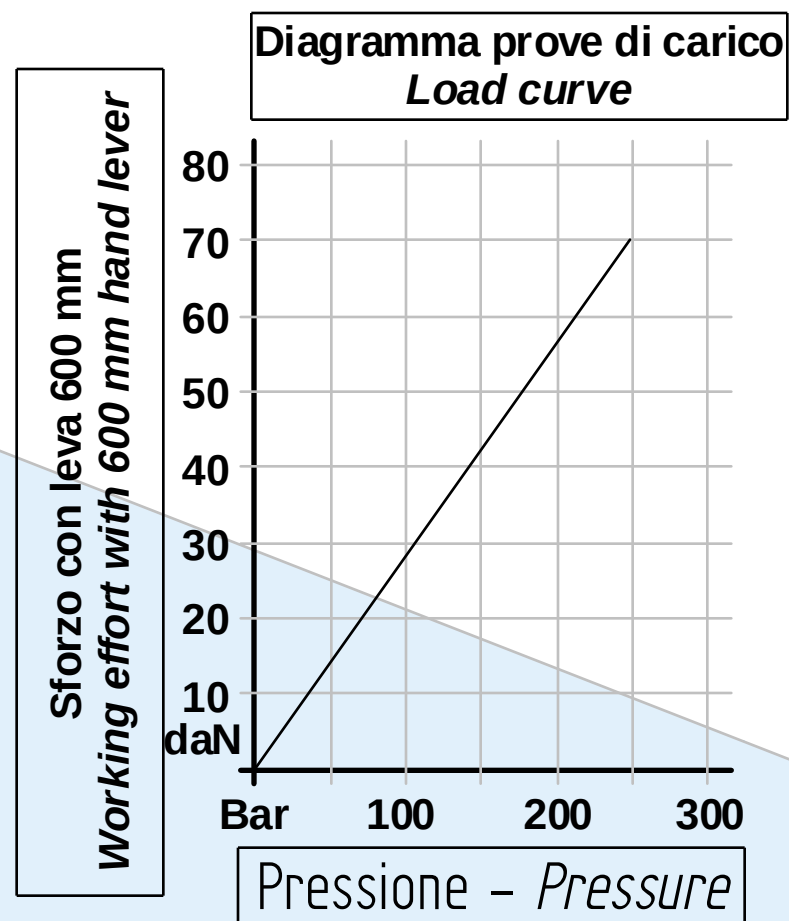
Montaggio: Qualsiasi posizione
Mounting: Any position



KFIL - KFill - KFils

Filtro per aspirazione ordinabile separatamente
Suction filter can be ordered separately

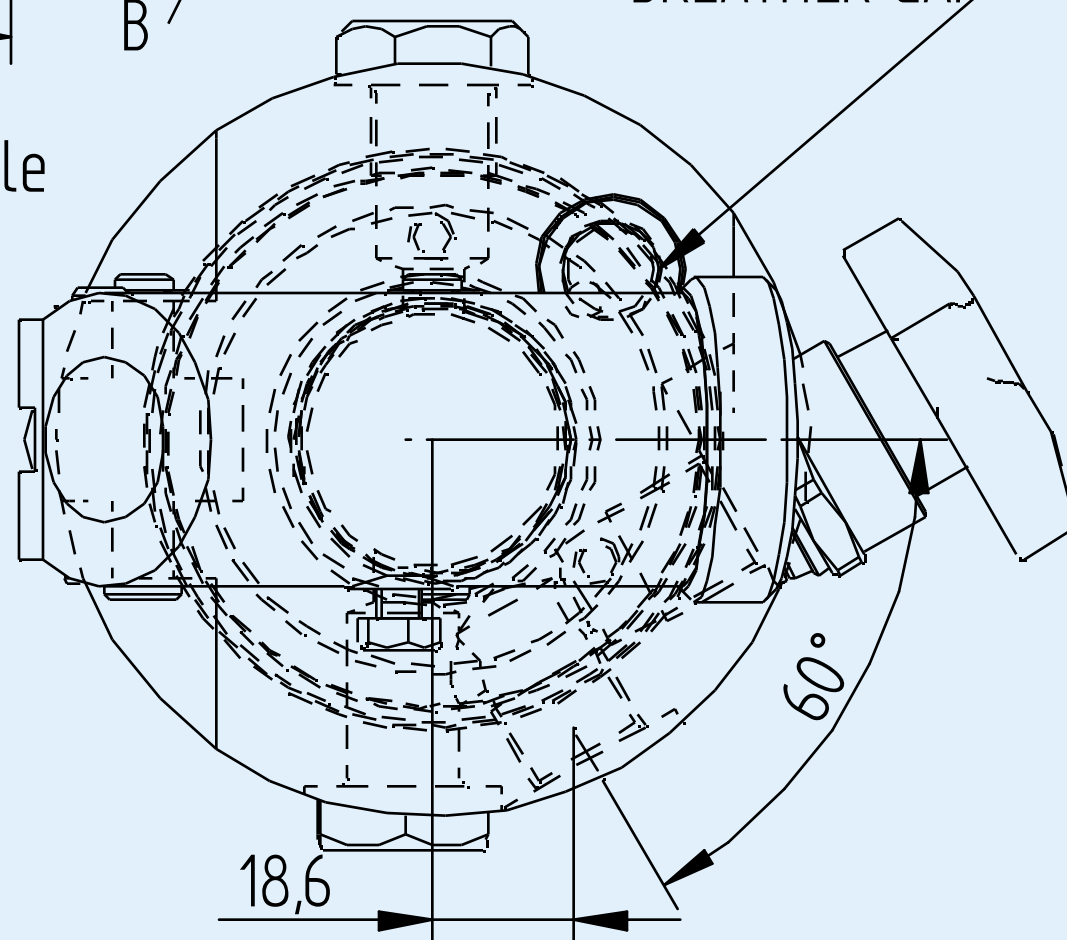




Mandata Pressure porte	Aspirazione Suction	Diametro interno porta leva Lever connection inside diameter	Soffietto Bellows
A	B	C	D
3/8 GAS F		27	

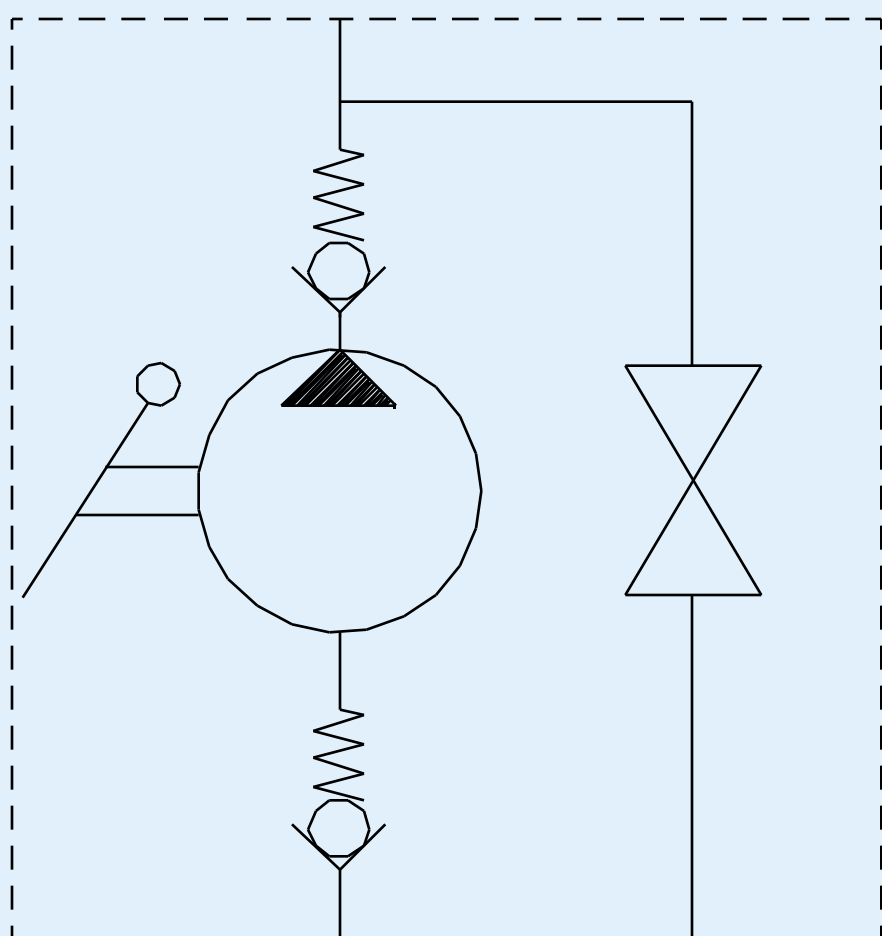
Cilindrata Flow (cc)	Pressione massima Max pressure (bar)
20	200

BREATHING CAP



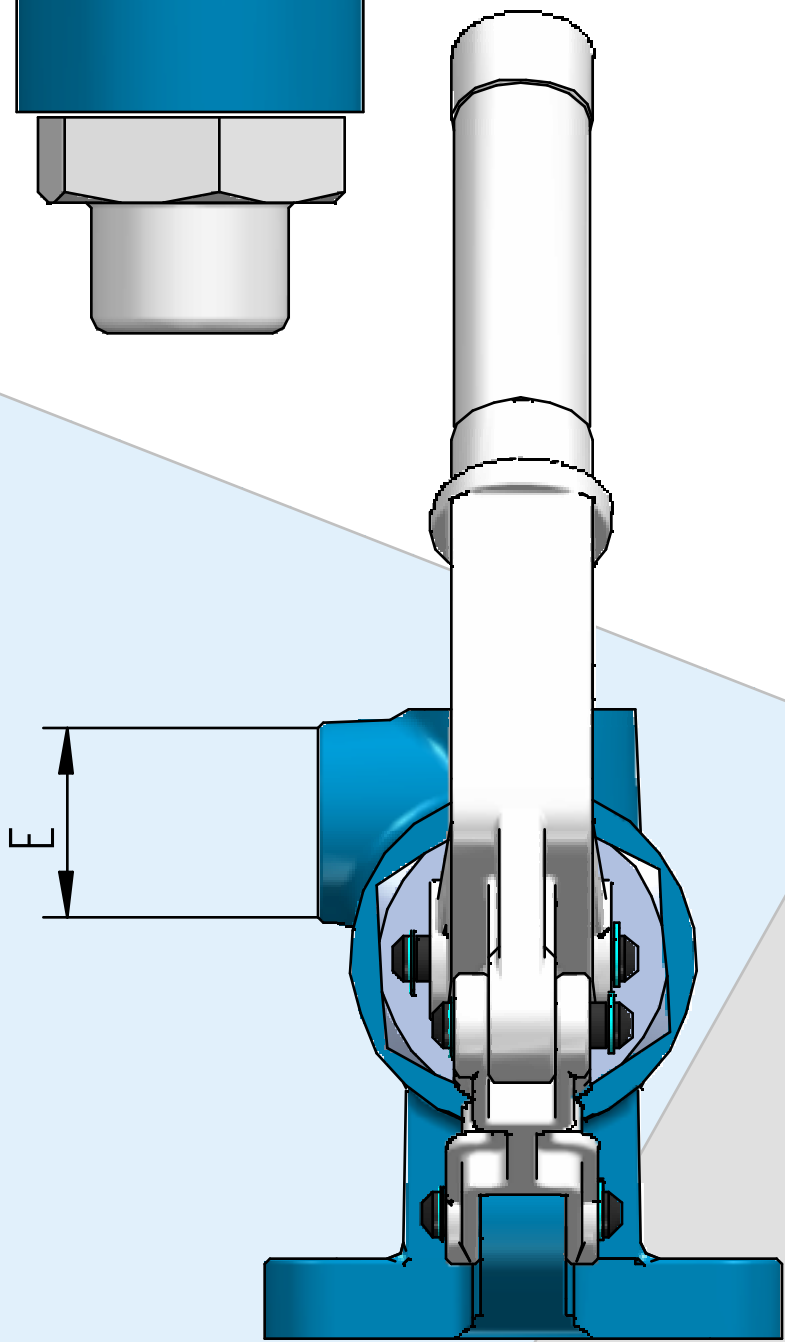
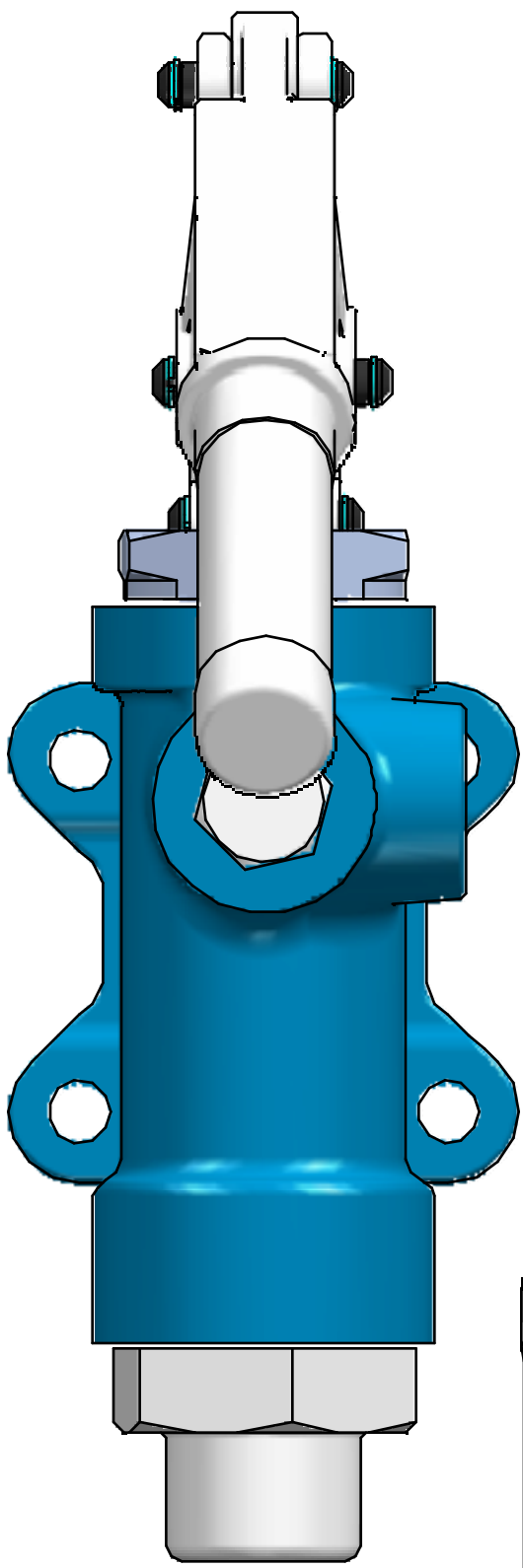
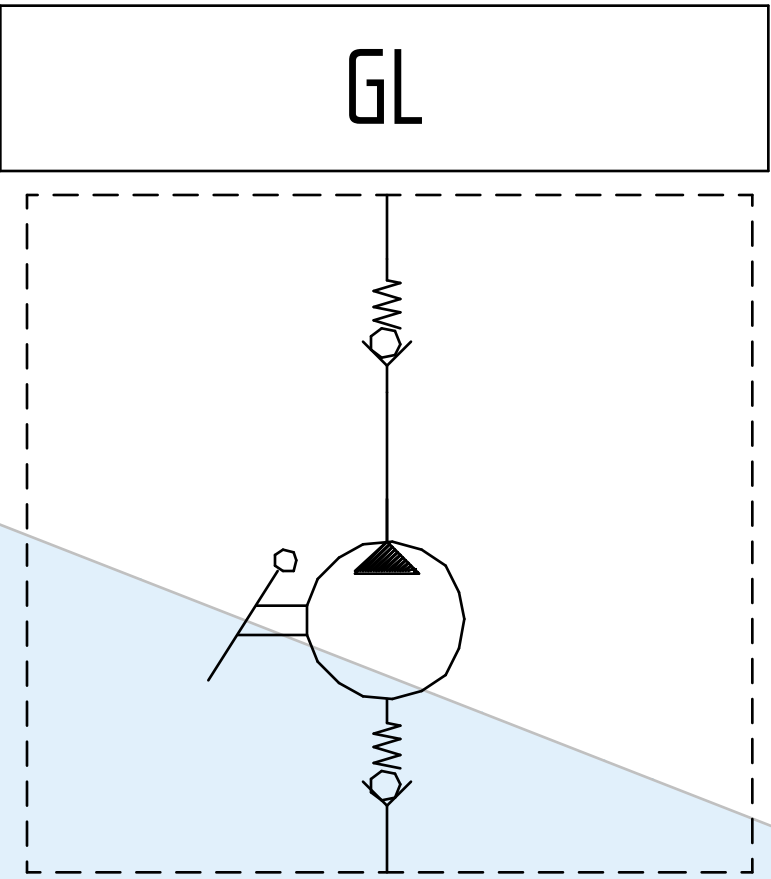
Peso - Weight (Kg): 2,44

Montaggio: Qualsiasi posizione
Mounting: Any position

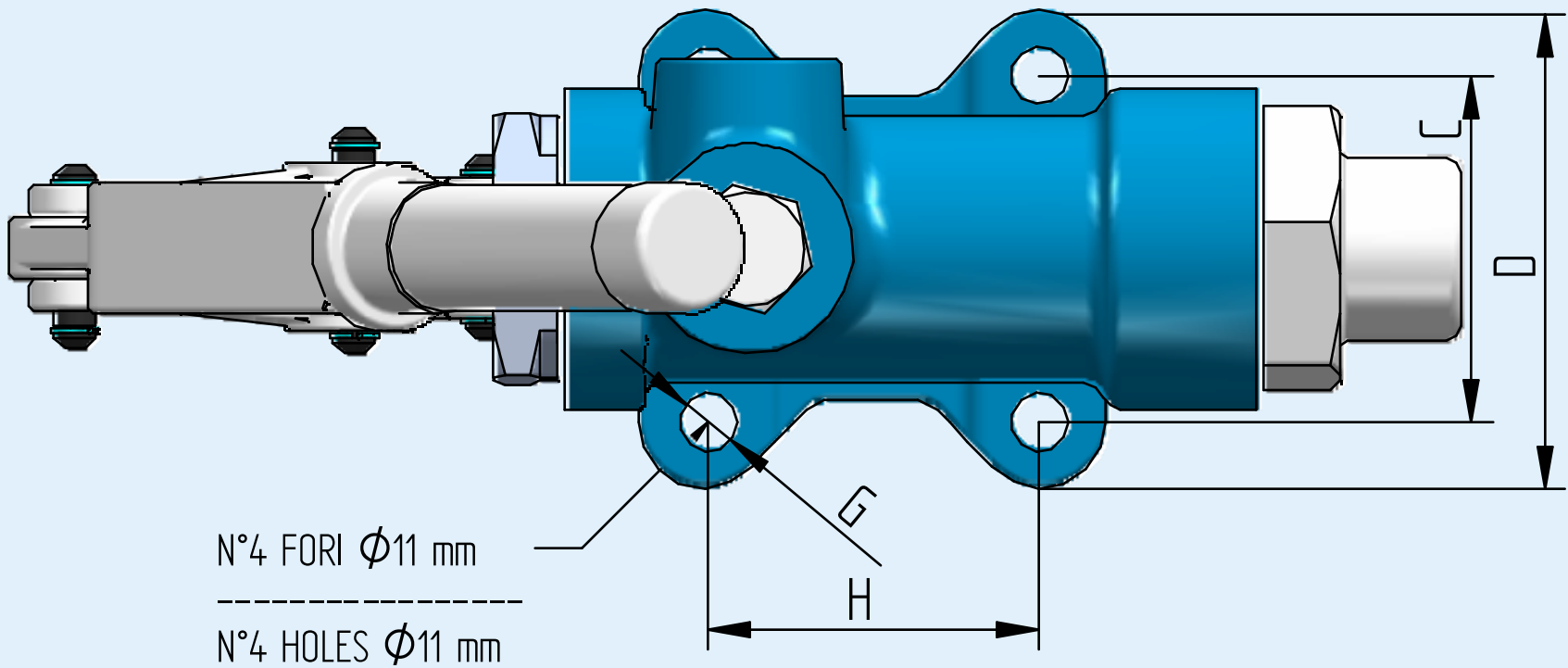
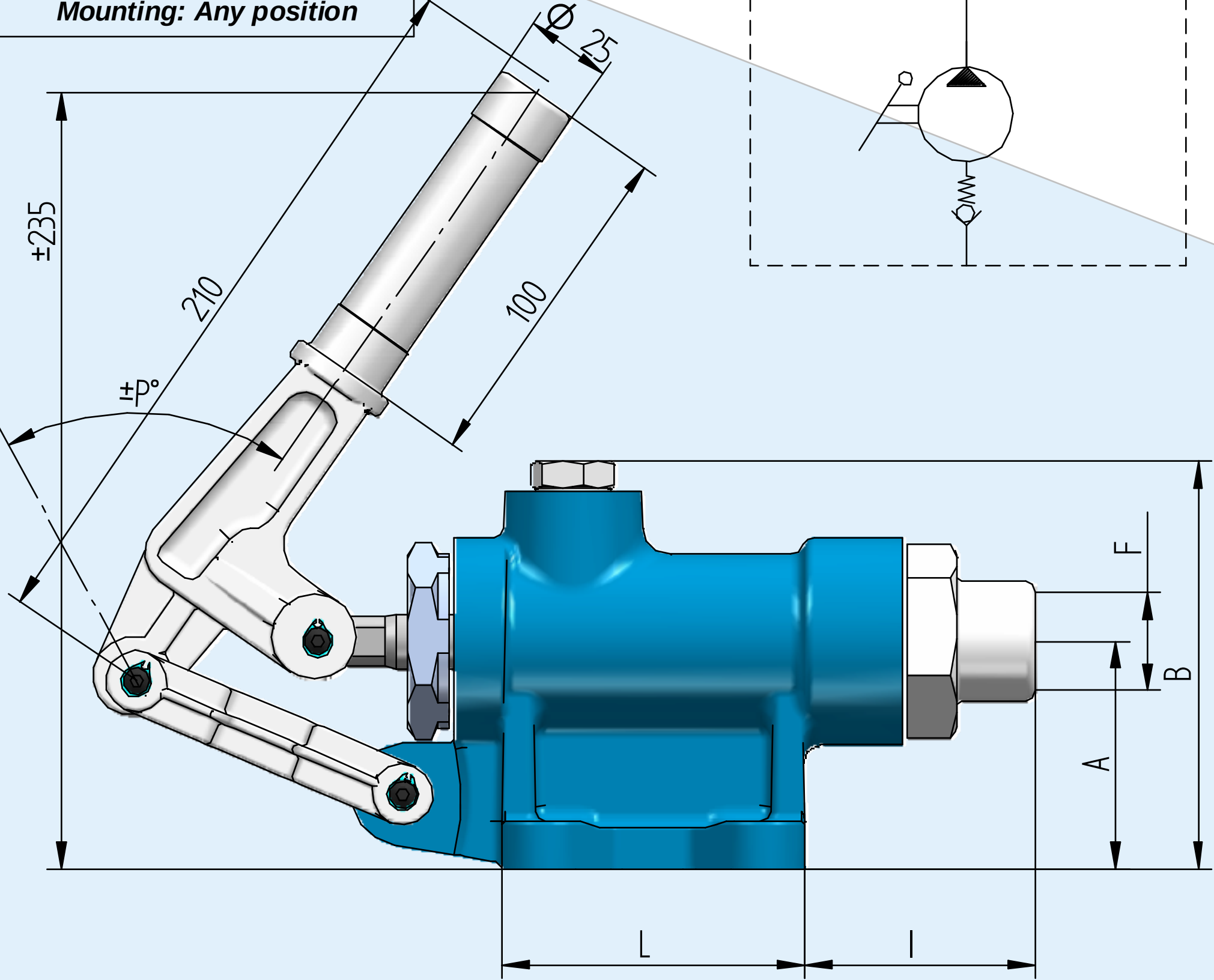


Descrizione / Codice Description / Code	GL 20-25-28 30-35	GL 40-45
A	67	71
B	120	137
C	66	71
D	95	102
E - Pressure porte	3/8 GAS	3/8 GAS
F - Suction	1/2 GAS	1/2 GAS
G	11	11
H	63	73
I	68	71
L	89	104
M	285	295
P	75	90

TIPO TYPE	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
GL20	18	650	5,3
GL25	29	320	5,5
GL28	36	250	5,7
GL30	42	220	5,9
GL35	57	160	6,1
GL40	87	120	6,3
GL45	111	90	6,5



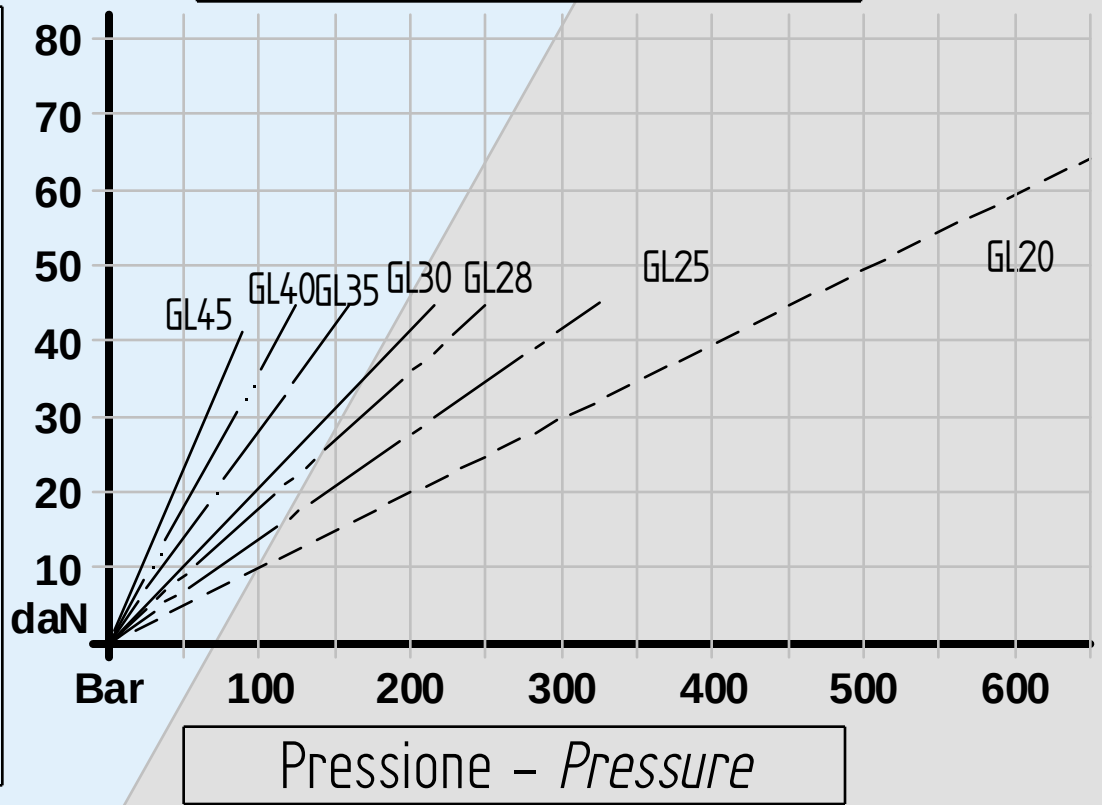
Montaggio: Qualsiasi posizione
Mounting: Any position



N°4 FORI Ø11 mm
N°4 HOLES Ø11 mm

Sforzo con leva 1000 mm
Working effort with 1000 mm hand lever

Diagramma prove di carico
Load curve



GL290

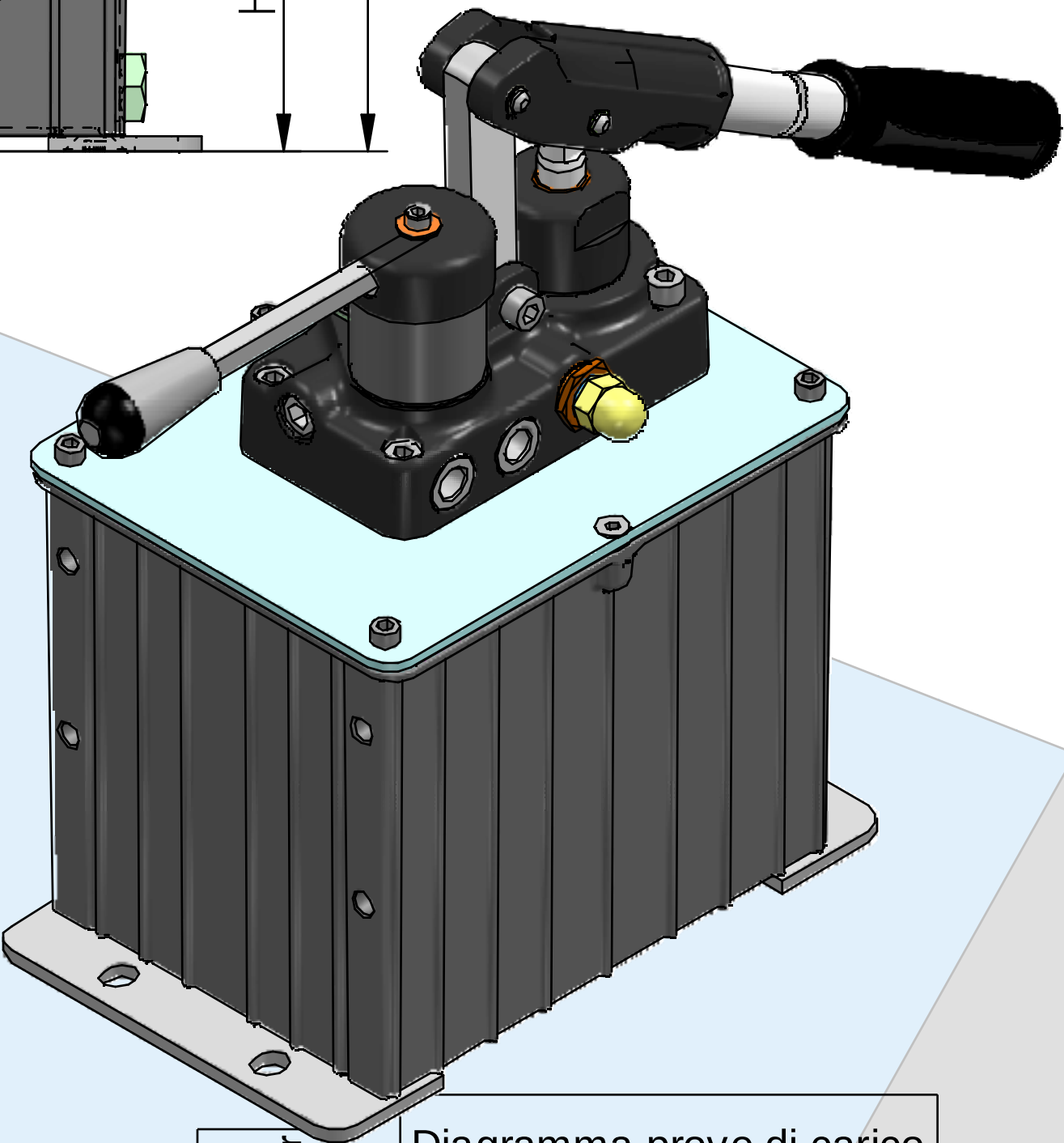
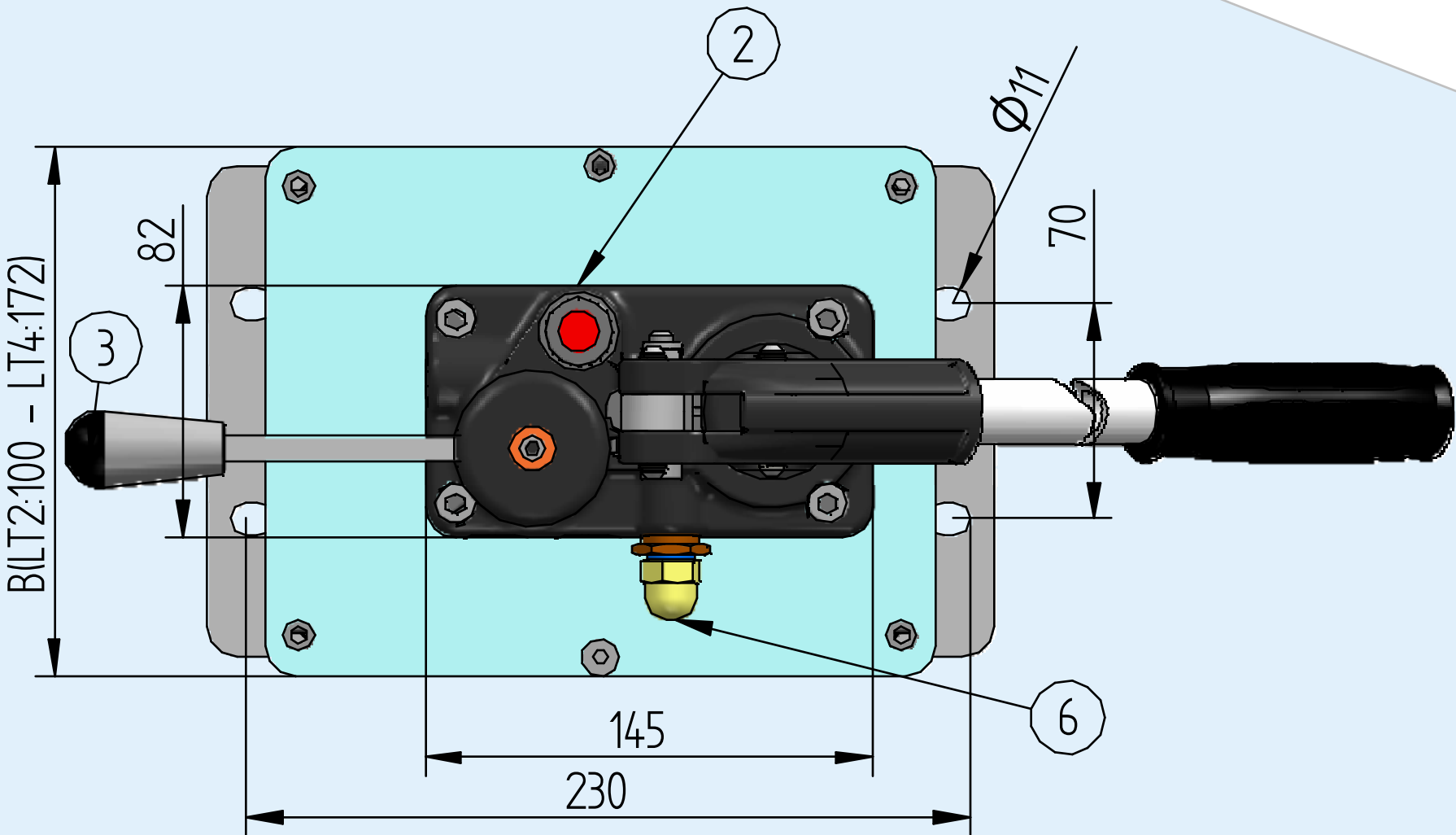
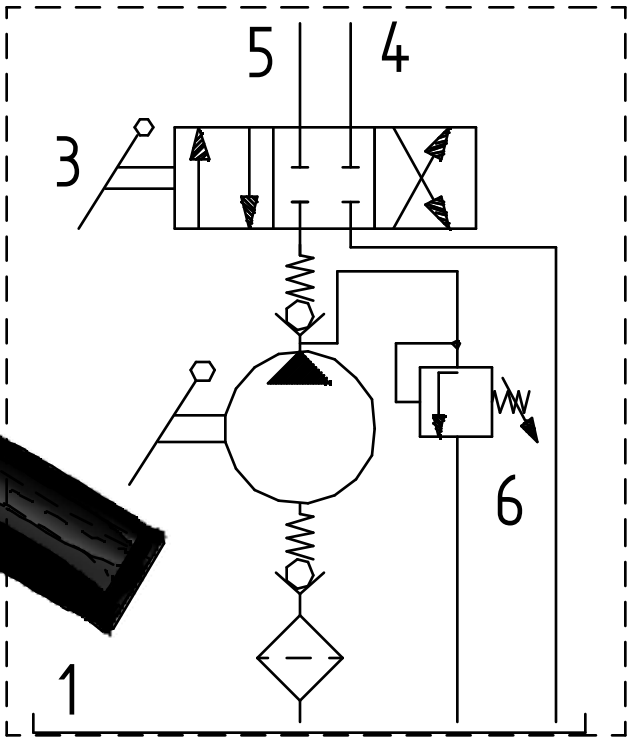
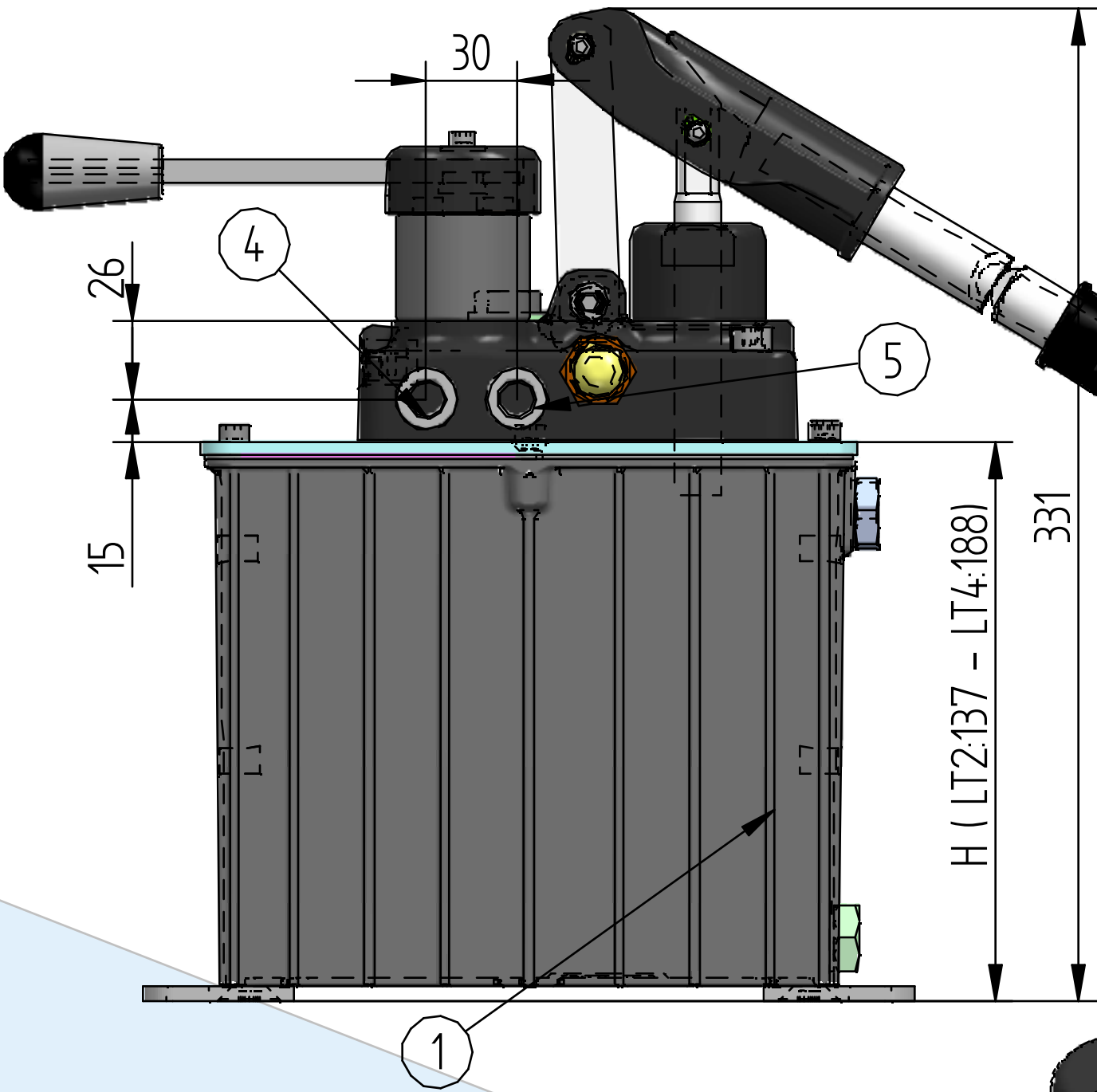
Funzionamento a doppio effetto per cilindro a doppio effetto
Double-stroke for a double acting cylinder



Aluminium body

Descrizione / Codice Description / Code	GL 290
OIL TANK	1
FILLER PLUG	2
OIL FLOW DIVERTER LEVER	3
4 - Pressure porte	1/4 GAS
5 - Pressure porte	1/4 GAS
PRESSURE RELIEF VALVE	6

TIPO TYPE	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg) Pump
GL290-17	11	380	3,8
GL290-20	16	280	3,9
GL290-25	25	180	4,0
GL290-28	32	150	4,1
GL290-35	50	100	4,2
Oil tank Lt2			2,2
Oil tank Lt4			2,6



Codice di ordinazione - Ordering code

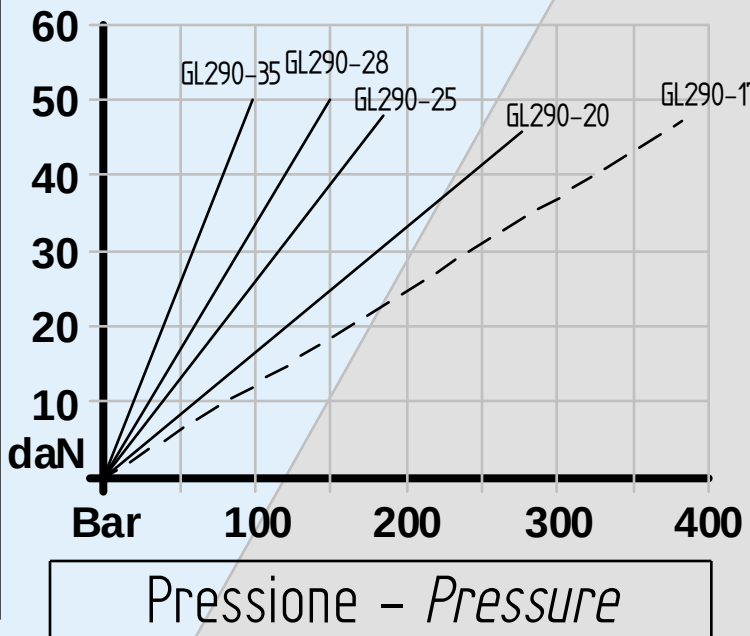
GL290-	Option 1	17	-DV-	Option 2	S2
		20			S4
		25			
		28			
		35			

Option 1 Displacement	
17	11 cc
20	16 cc
25	25 cc
28	32 cc
35	50 cc

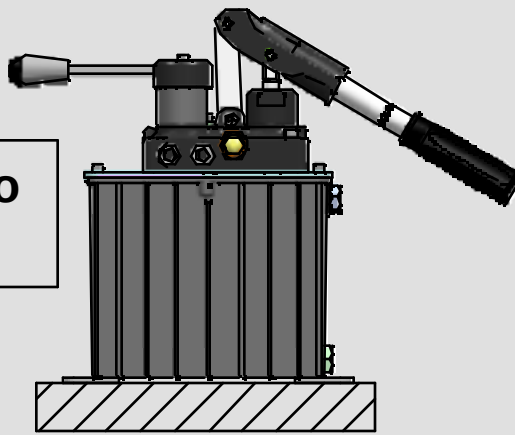
Option 2 Oil tank	
S2	2 Litres Oil tank
S4	4 Litres Oil tank

Sforzo con leva 430 mm
Working effort with 430 mm hand lever

Diagramma prove di carico Load curve



Montaggio Mounting



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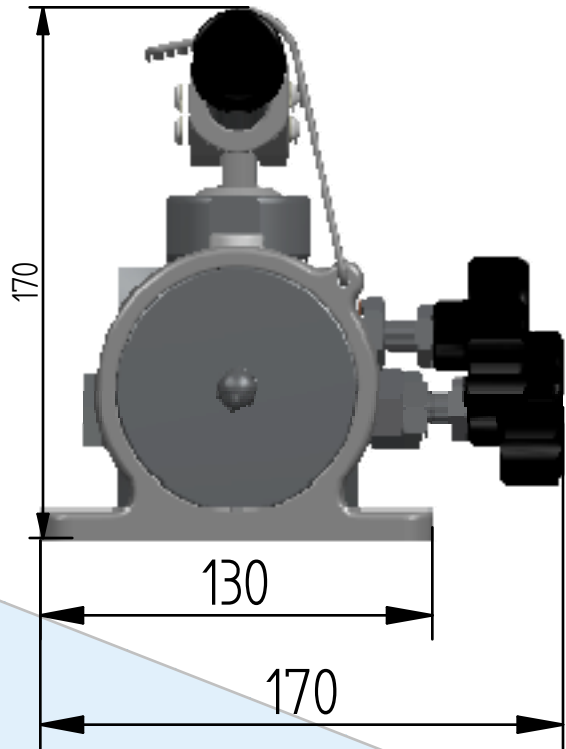
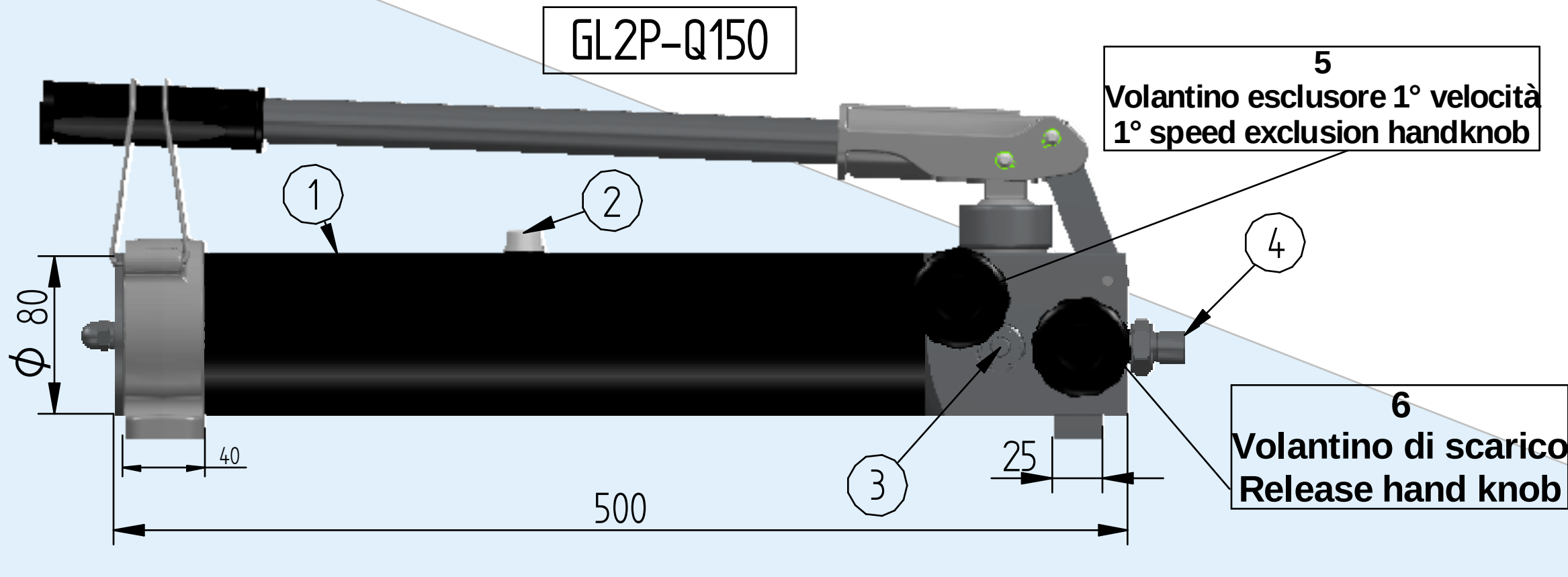
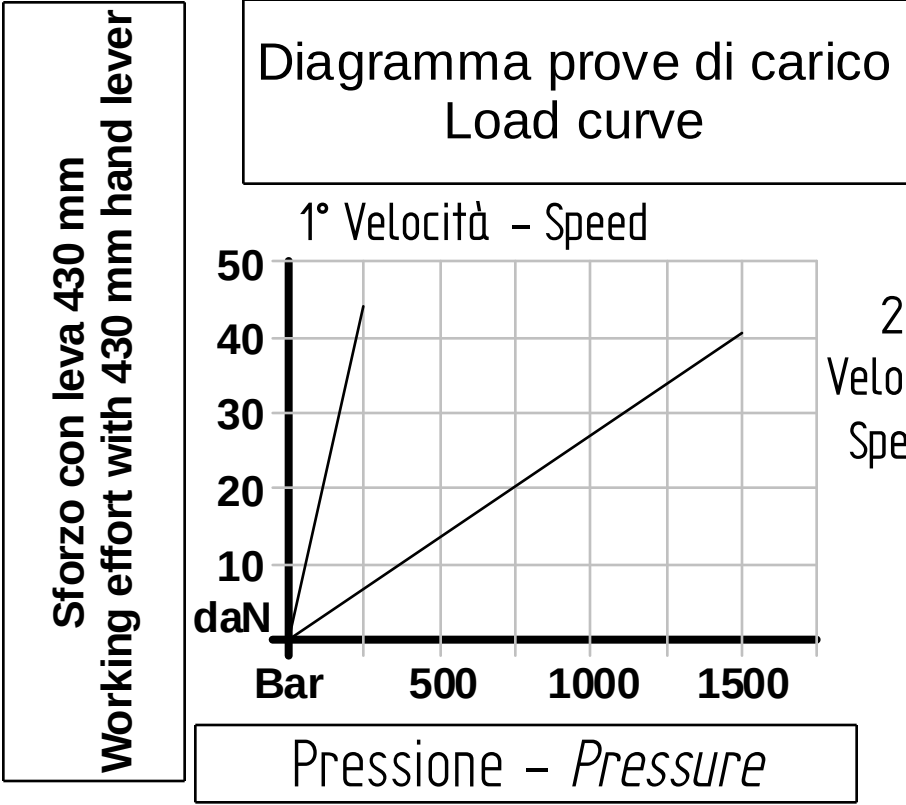
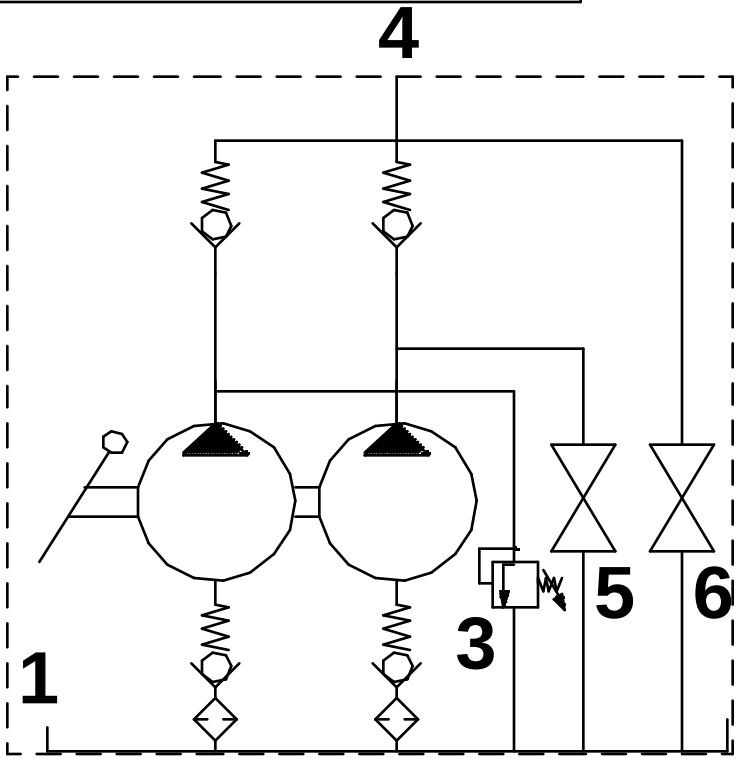
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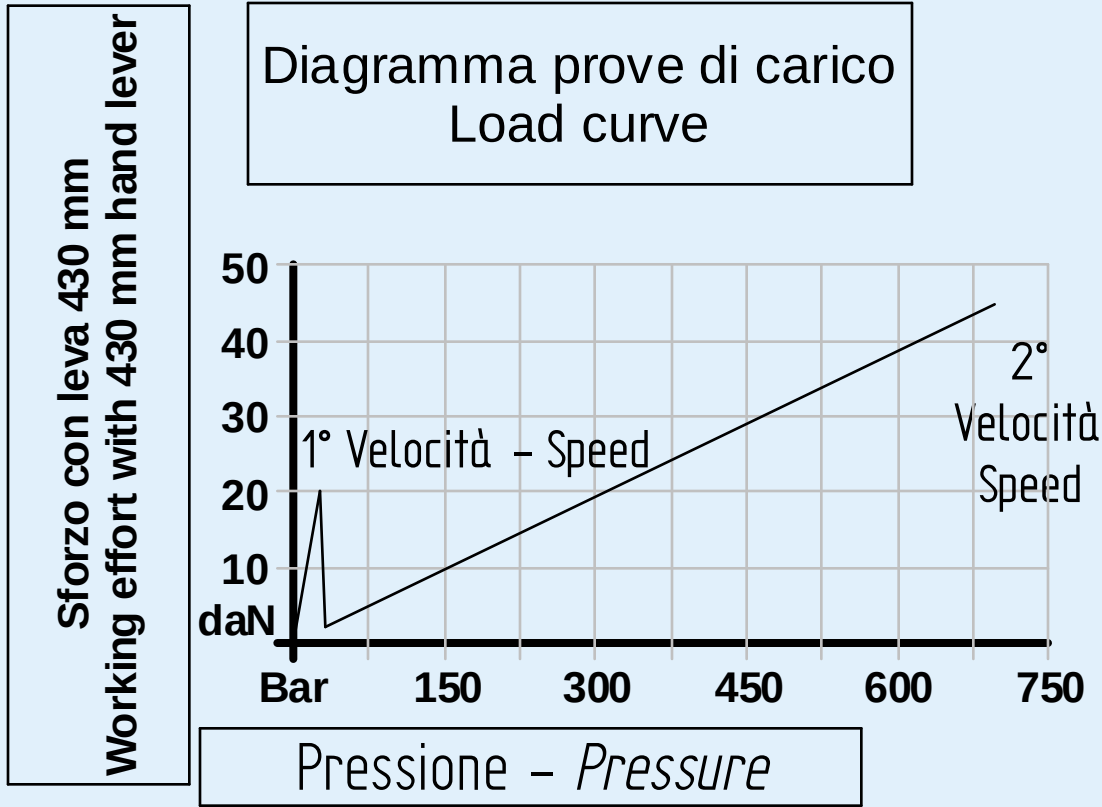
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Descrizione / Codice Description / Code	GL2P-Q 150	GL2P-Q 4VN
Cilindrata 1° Velocità Displacement - 1° Speed (cc)	17	17
Cilindrata 2° Velocità Displacement - 2° Speed (cc)	1	2,5
Pressione 1° Velocità Pressure - 1° Speed (bar)	100	~25
Pressione 2° Velocità Pressure - 2° Speed (bar)	1500	700
Serbatoio - Oil tank (litre)	1,5	1,5
Mandata - Pressure port	3/8 gas	3/8 gas
Peso - Weight Kg	10	10

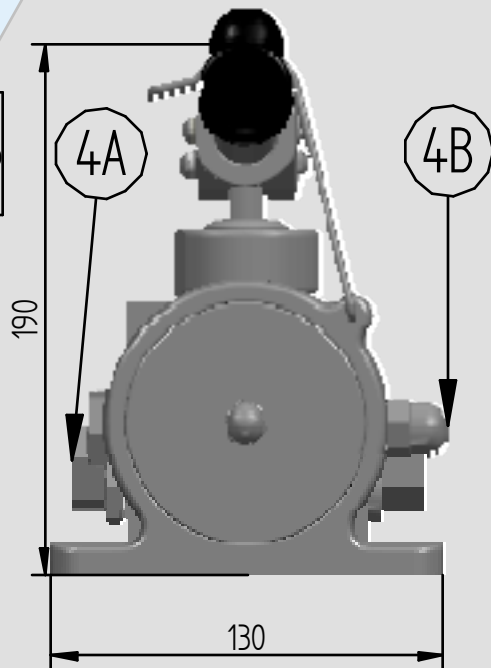
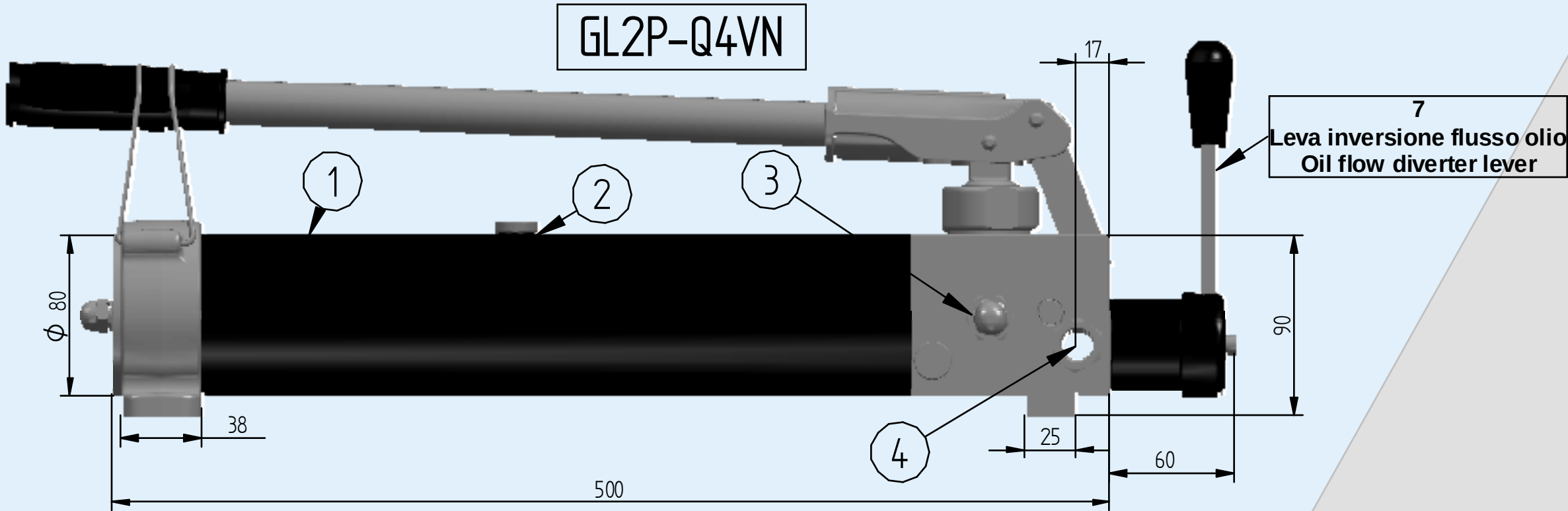
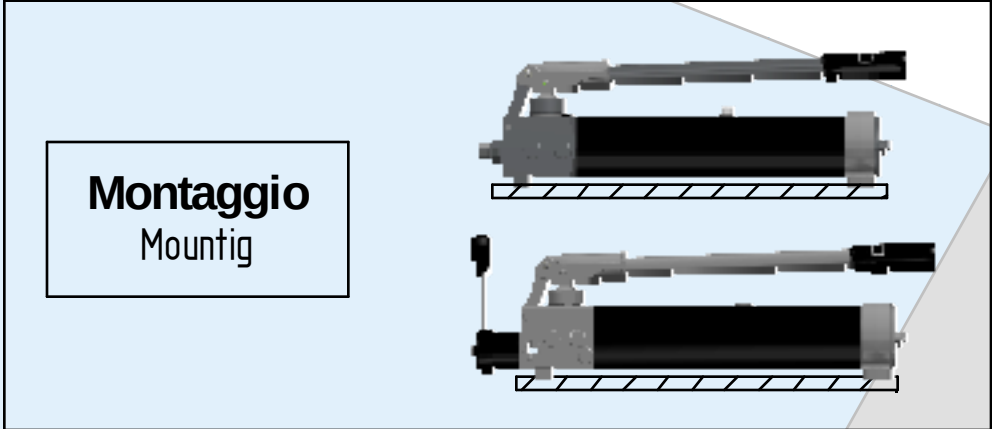
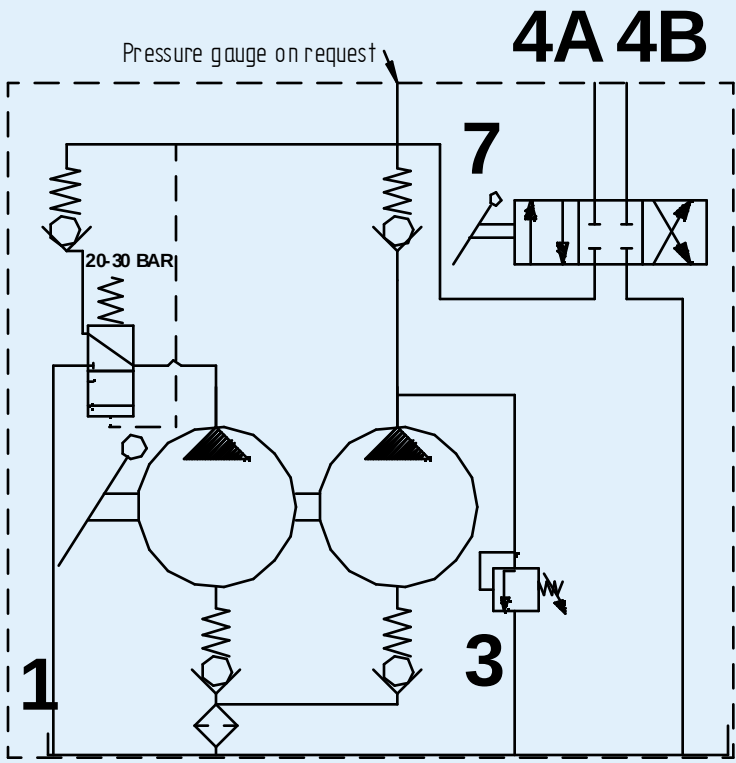
GL2P-Q150
For a single acting cylinder



- 1 - Serbatoio 1,5 Litri ; Oil tank 1,5 Lt
- 2 - Tappo carico olio ; Filler plug
- 3 - Valvola di massima pressione ; Relief valve
- 4 - Mandata ; Pressure port



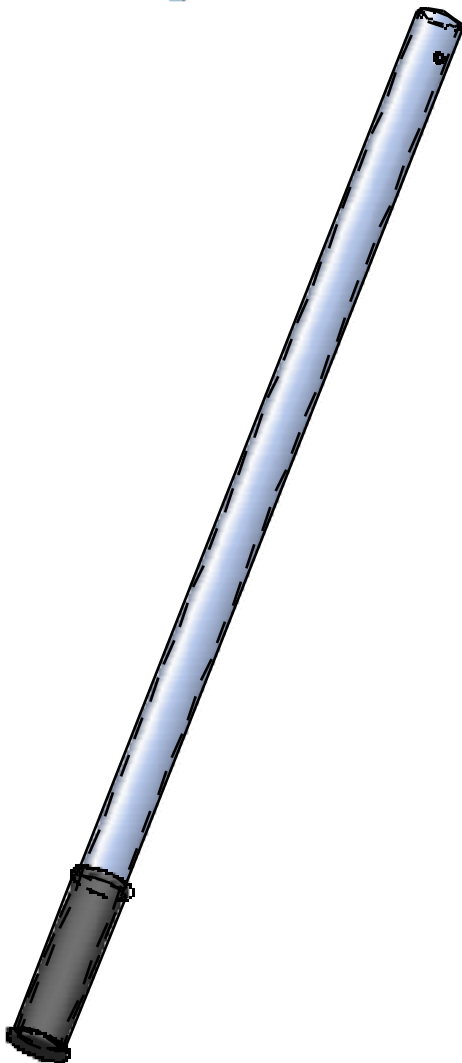
GL2P-Q4VN
For a double acting cylinder



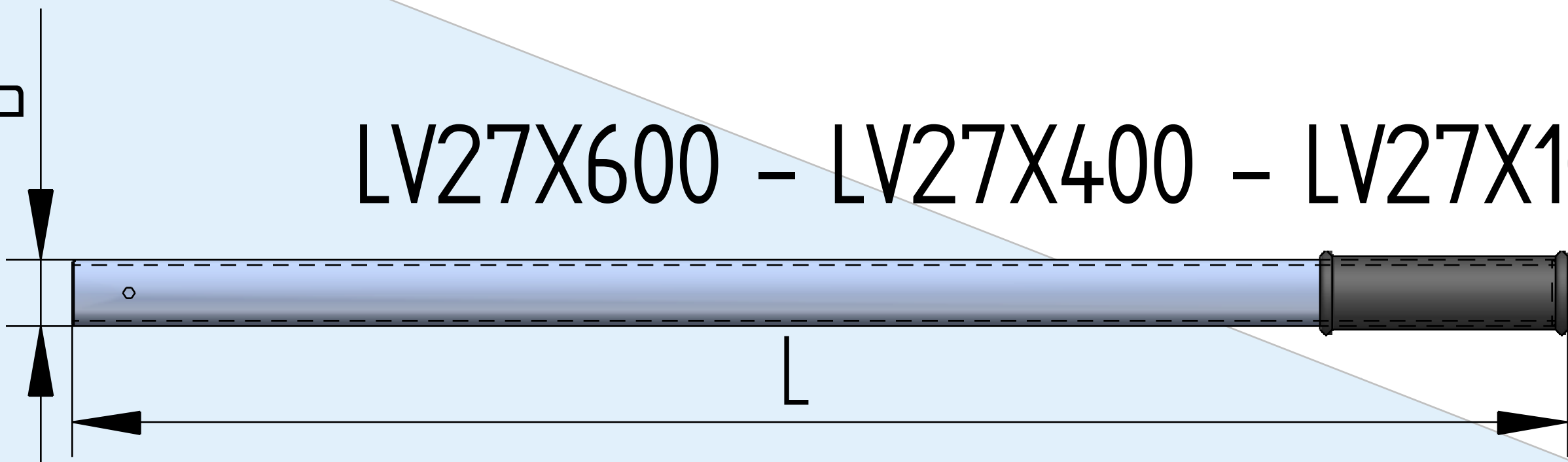
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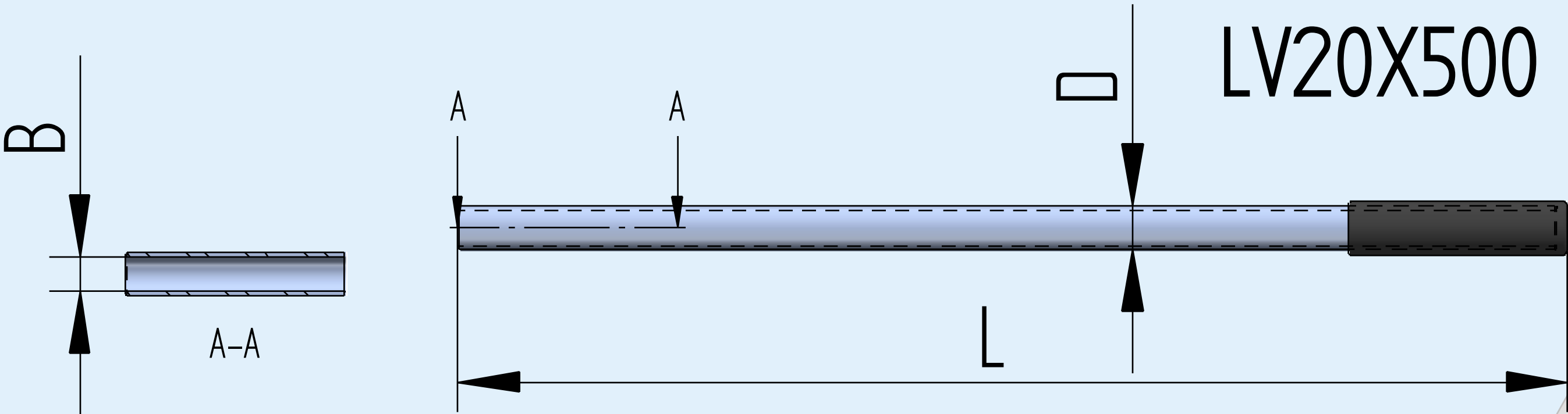
Codice - Code	LV27X600	LV27X400	LV27X1000	LV27X600P	LV20X500
Manopola in gomma - Plastic hand grip	X	X	X	X	X
Zincatura bianca - White zinc-plating	X	X	X	X	X
Diametro esterno - Outside diameter D(mm)	27	27	27	27	20
Diametro interno - Inside diameter B(mm)	-	-	-	-	16
L (mm)	600	400	1000	520	500
Peso - Weight (Kg)	0,9	0,6	1,5	0,9	0,6



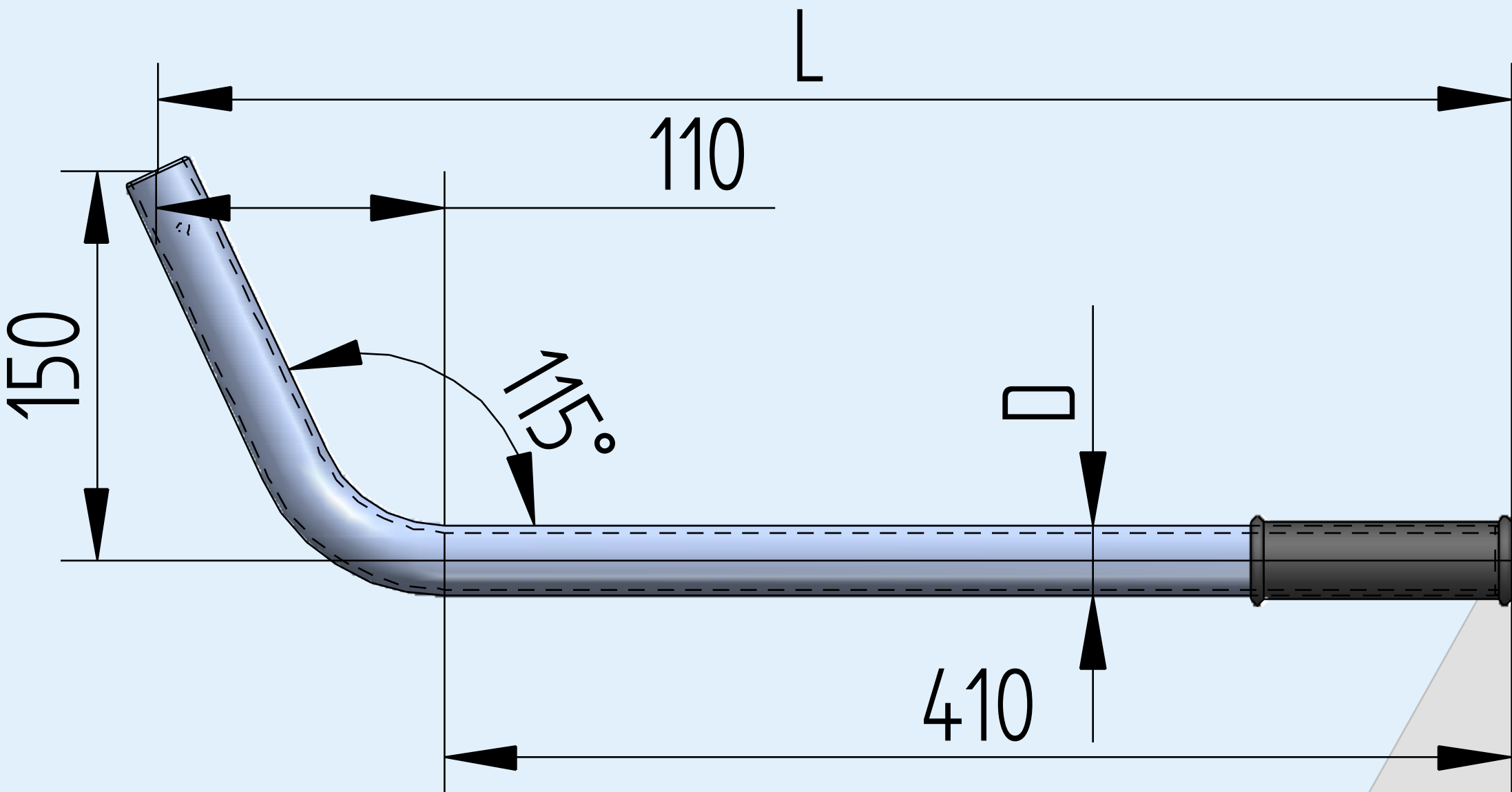
LV27X600 - LV27X400 - LV27X1000



LV20X500

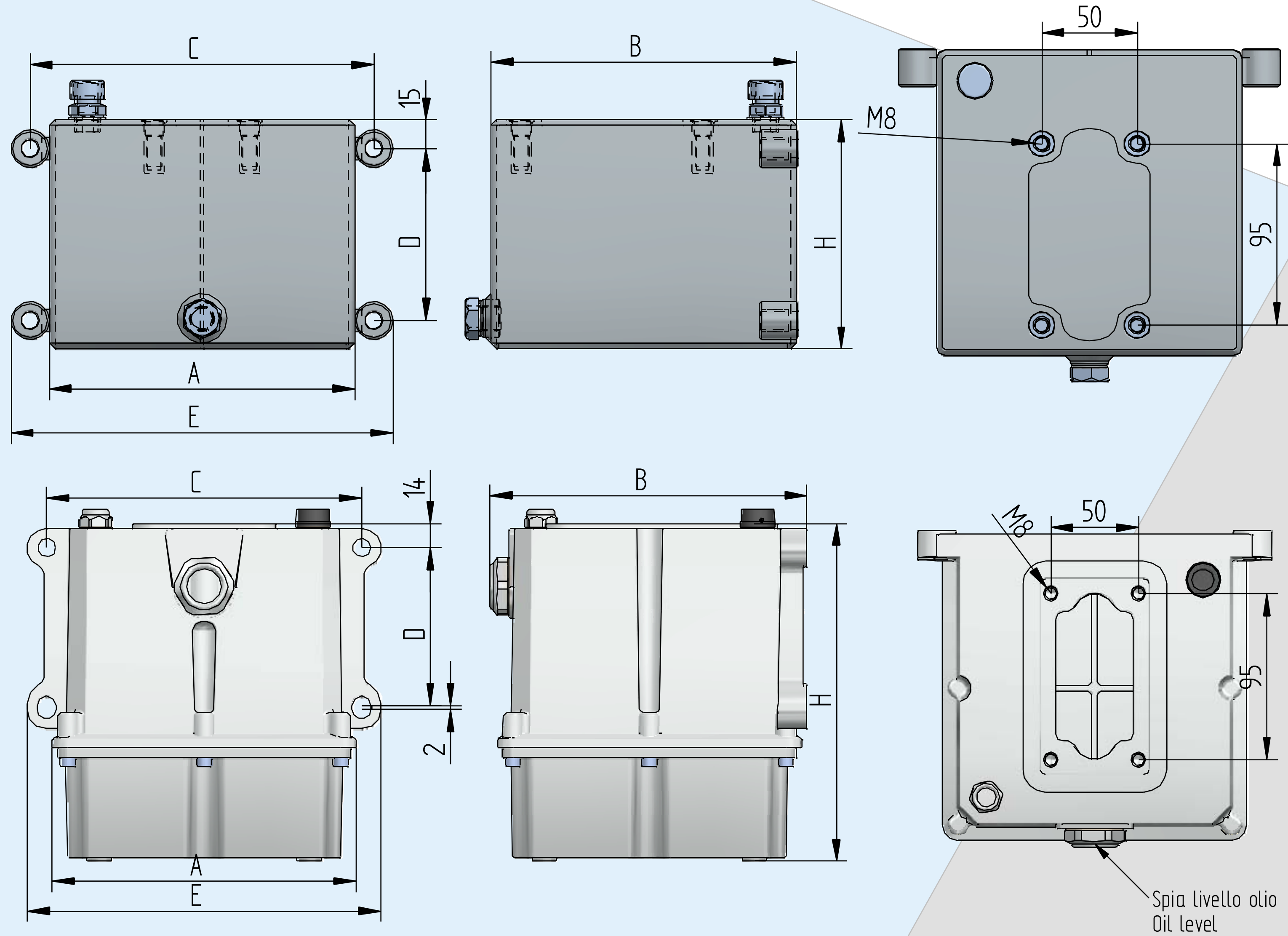


LV27X600P

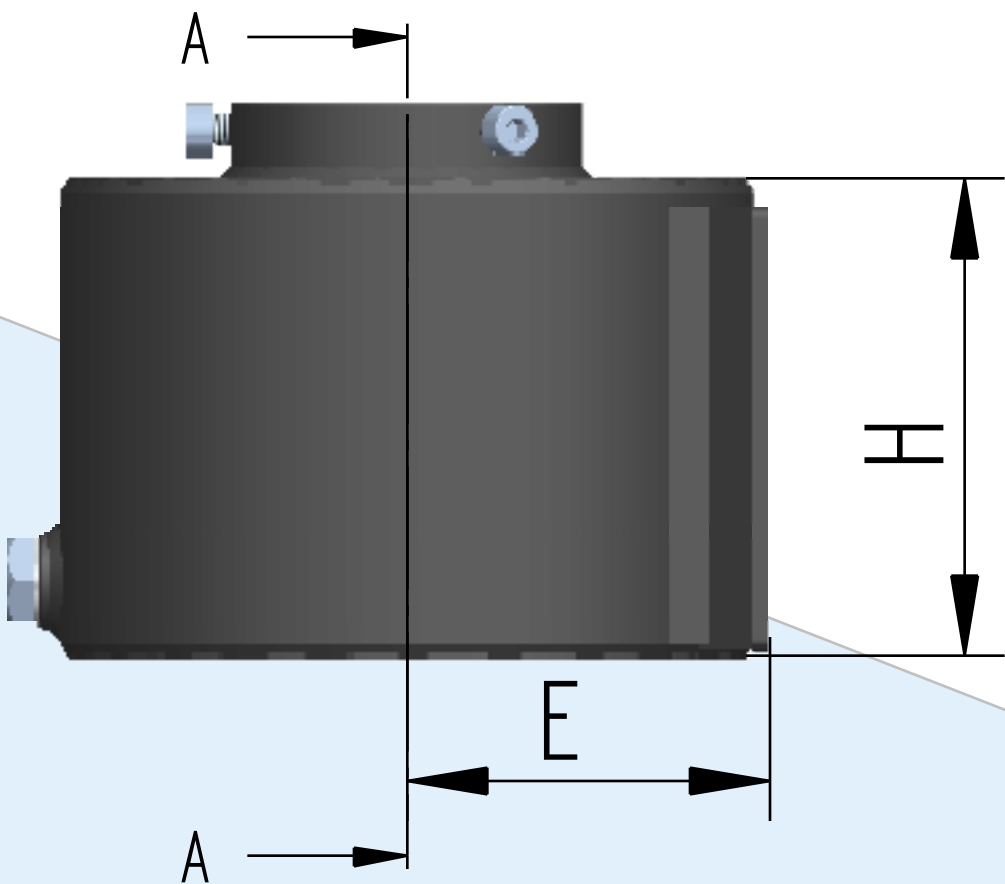
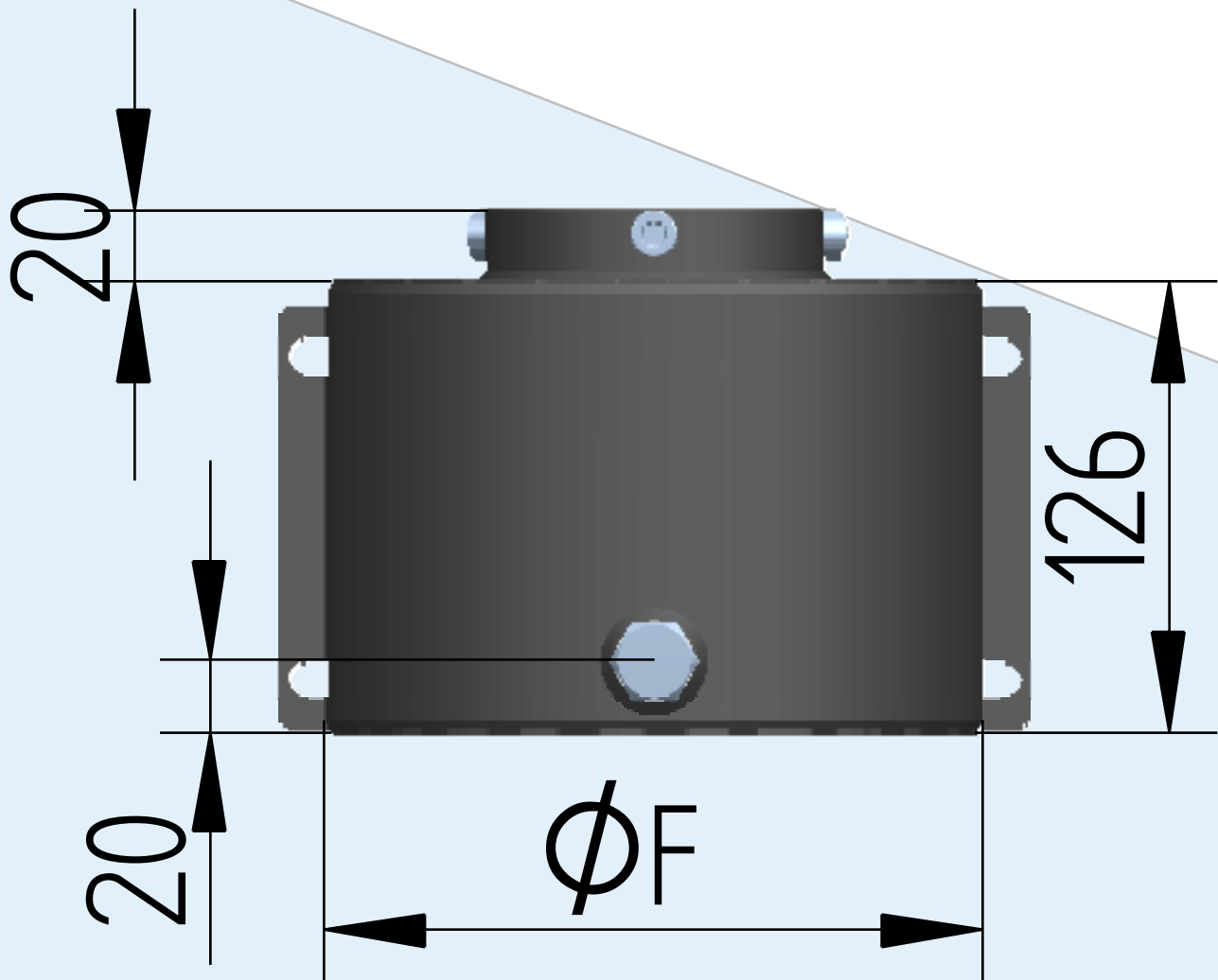
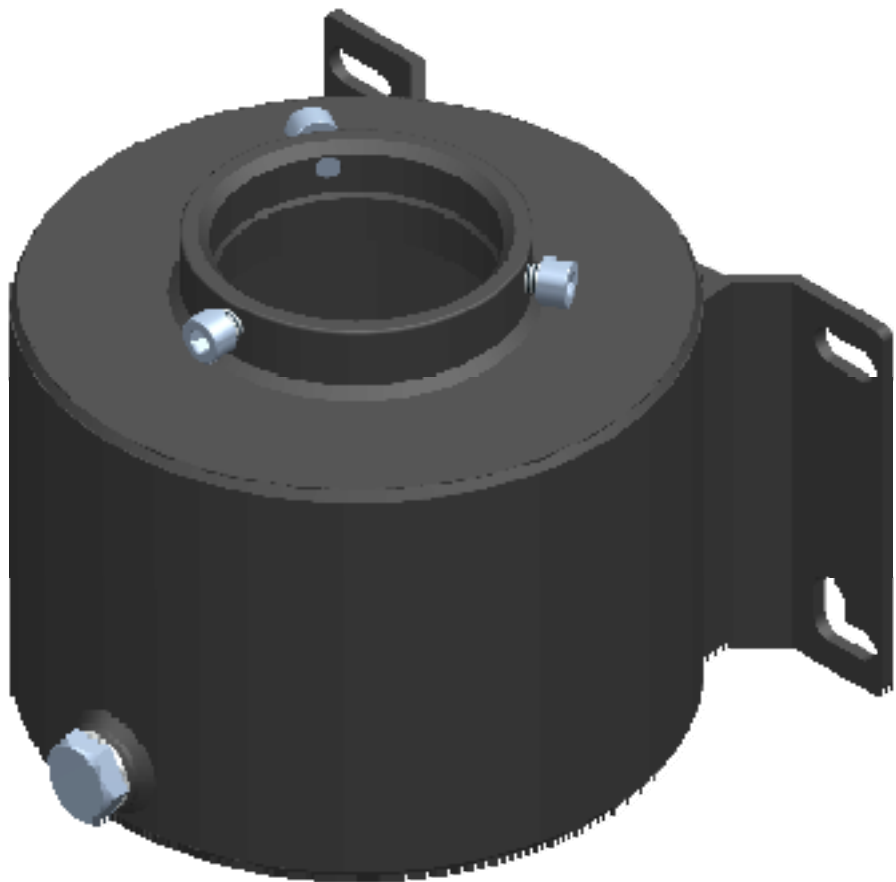


Codice - Code	SR 01 FE	SR 02 FE	SR 03 FE	SR 05 FE	SR 07 FE	SR 10 FE	SR 02,5 FE160	SR 04 FE160	SR 06 FE160	SR 08 FE160	SR 02 FE150	SR 03 FE150	SR 05 FE150	SR 07 FE150	SR 10 FE150	SR 01 ALO	SR 02 ALO	SR 03 ALO	SR 05 ALO
Capacità - Tank capacity (litres)	1	2	3	5	7	10	2,5	4	6	8	2	3	5	7	10	1	2	3	5
Spie livello olio - Oil level																x	x	x	x
Tappo sfiato - Breather cap	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Alluminio - Aluminium																x	x	x	x
Ferro verniciato - Painted iron	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
A (mm)	100	100	100	175	175	175	160	160	160	160	150	150	150	150	150	132	174	174	174
B (mm)	150	150	150	175	175	175	160	160	160	160	150	150	150	150	150	157	181	181	181
C (mm)	120	120	120	195	195	195	180	180	180	180	170	170	170	170	170	96	180	180	180
D (mm)	90	90	90	90	90	90	90	90	90	90	80	80	80	80	80	110	90	90	90
E (mm)	140	140	140	215	215	215	200	200	200	200	190	190	190	190	190	132	202	202	202
H (mm)	120	180	245	200	269	376	120	180	265	350	120	156	245	340	485	145	142	223	303
Peso - Weight (Kg)	2	2,2	2,5	4,5	5,4	6,8	2,9	3,9	5,0	6,2	2,6	3,1	4,3	5,6	7,6	1,3	1,7	1,9	2,4

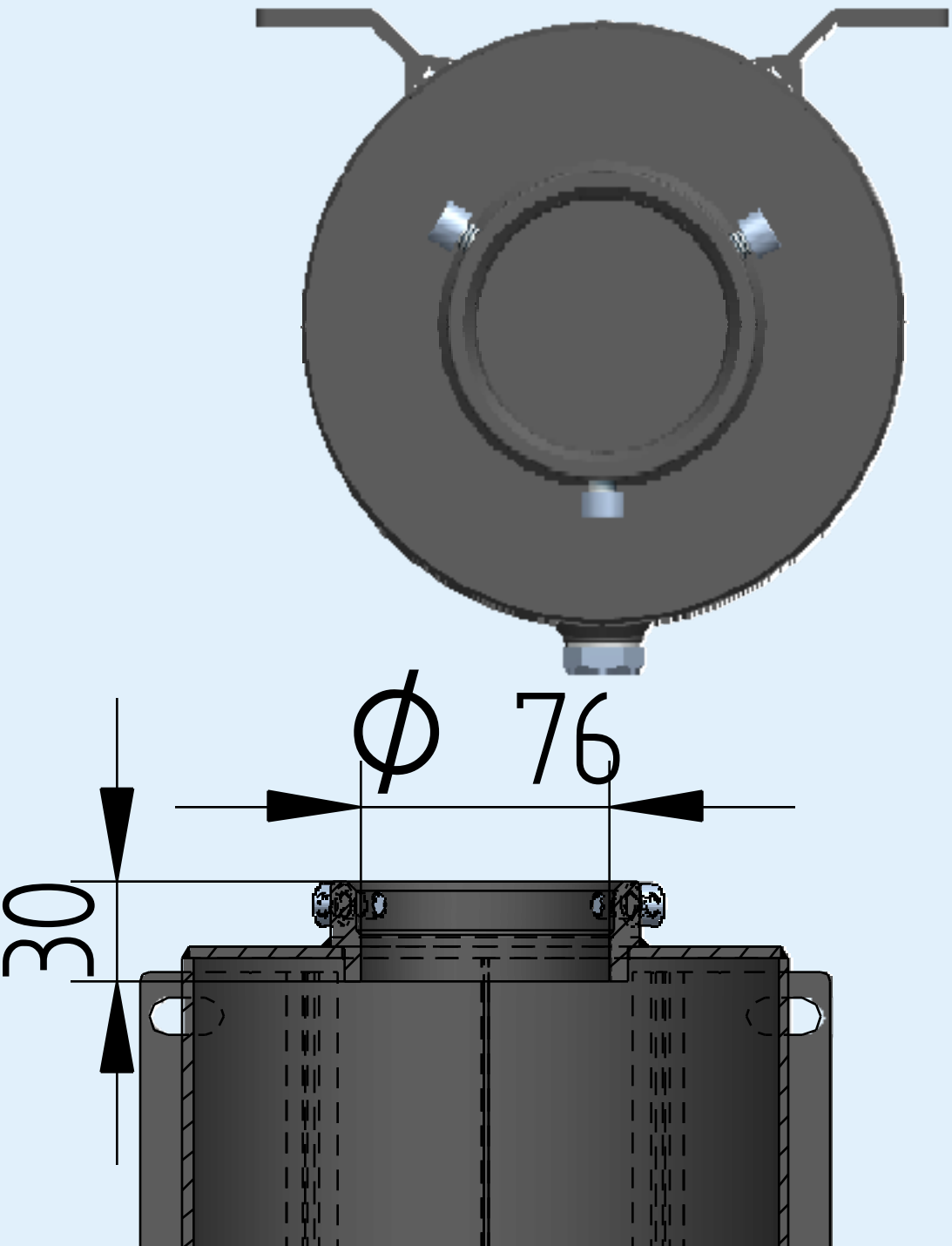
Coppia di serraggio vite con rivetto: 8/10 Nm
Torque of fastened screw: 8/10 Nm



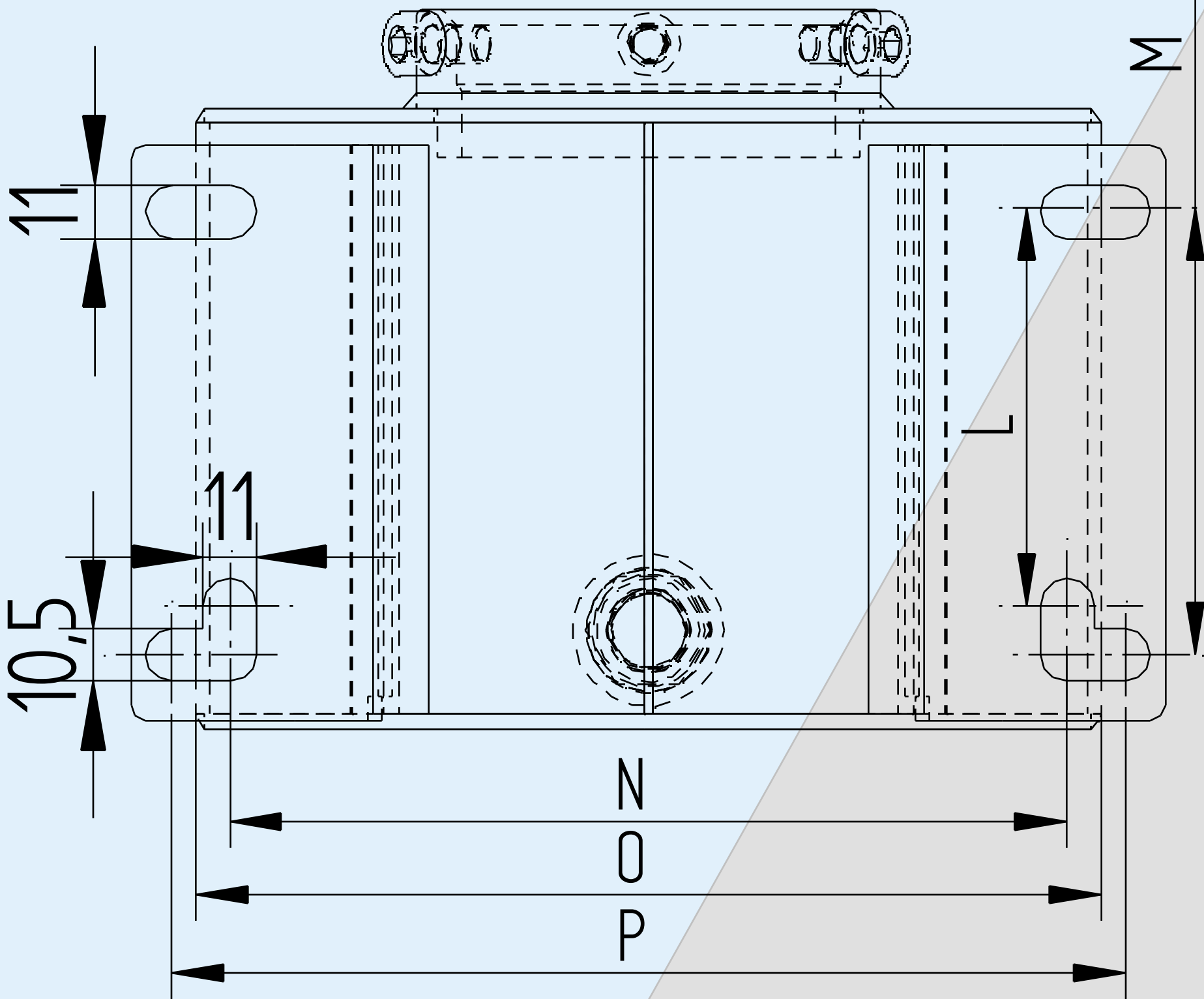
Codice - Code	SRC 02 FE	SRC 04 FE	SRC 06 FE	SR 08 FE
Capacità - Tank capacity (litres)	2	4	6	8
Ferro verniciato - Painted iron	x	x	x	x
E(mm)	96	96	117	117
F (mm)	184	184	220	220
H (mm)	126	169	180	235
Peso - Weight (Kg)	3,7	4,2	6,0	8,0



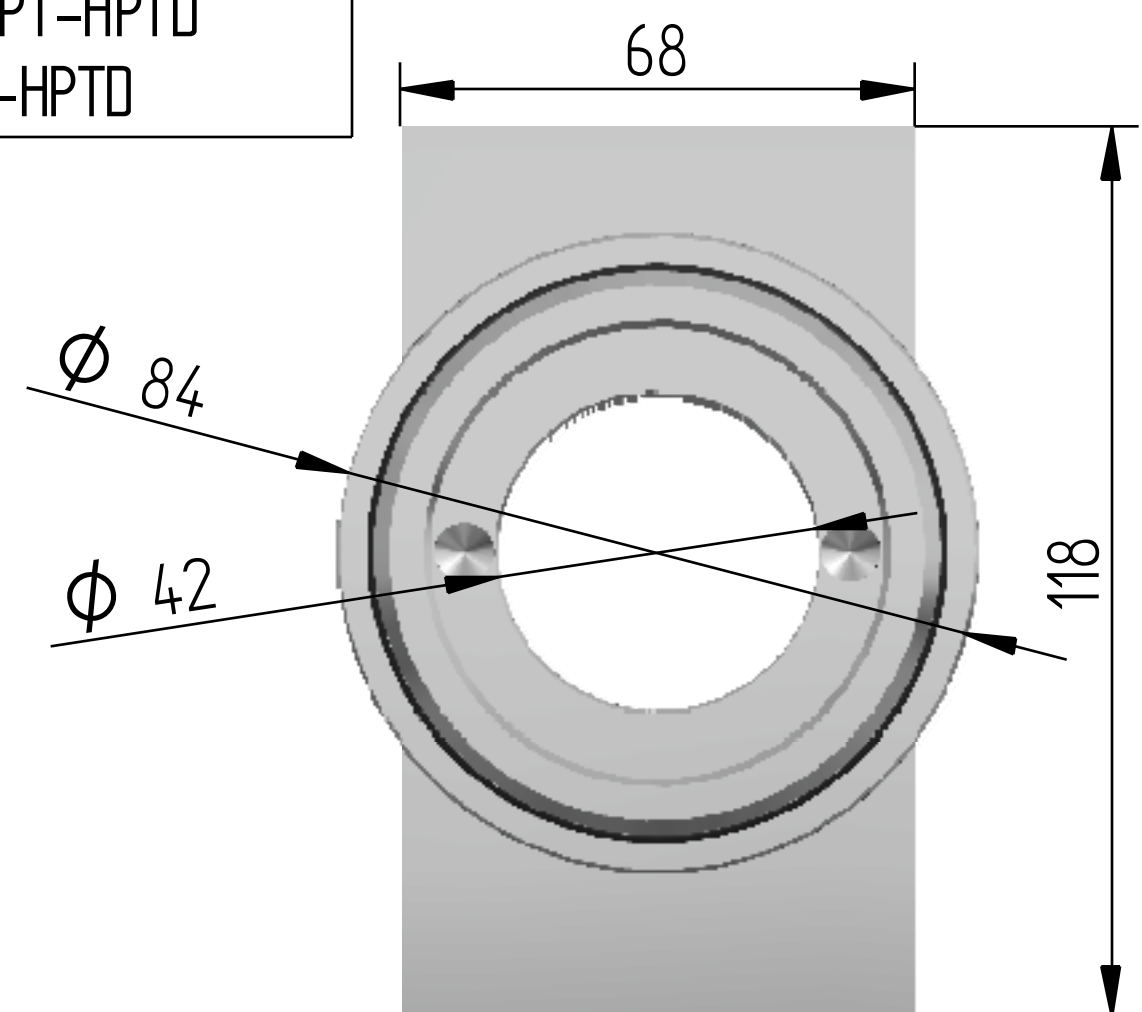
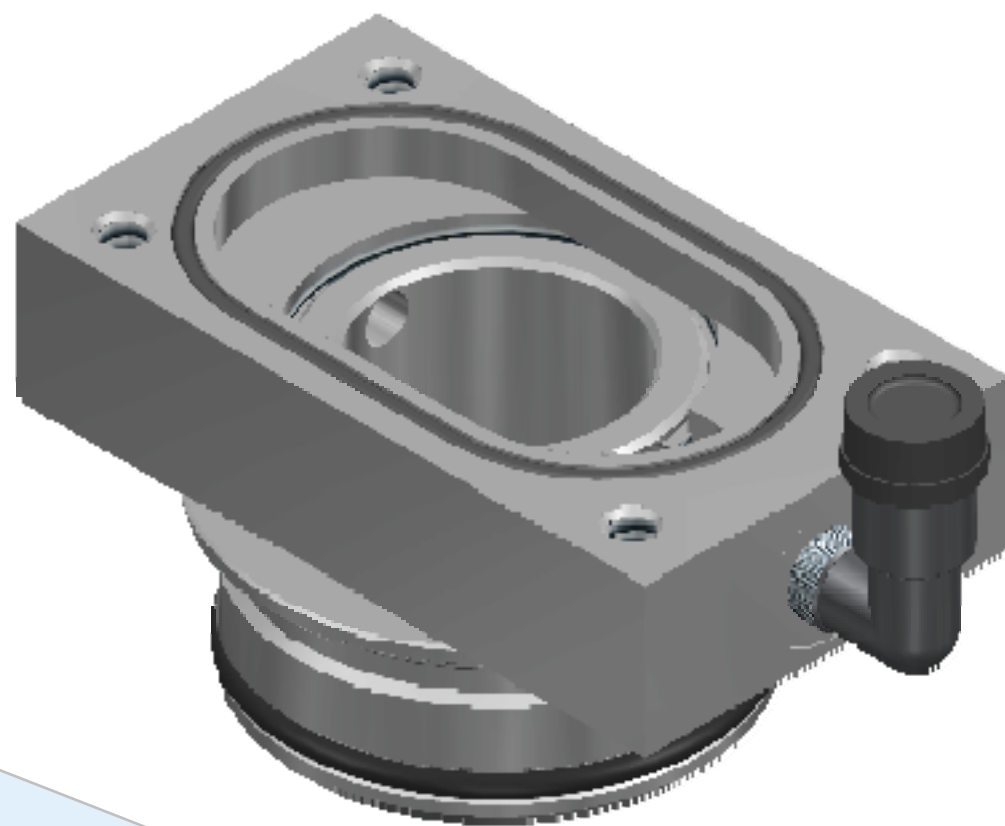
Interassi di fissaggio Fixing				
L	M	N	O	P
80	90	170	180	195



SEZIONE A-A

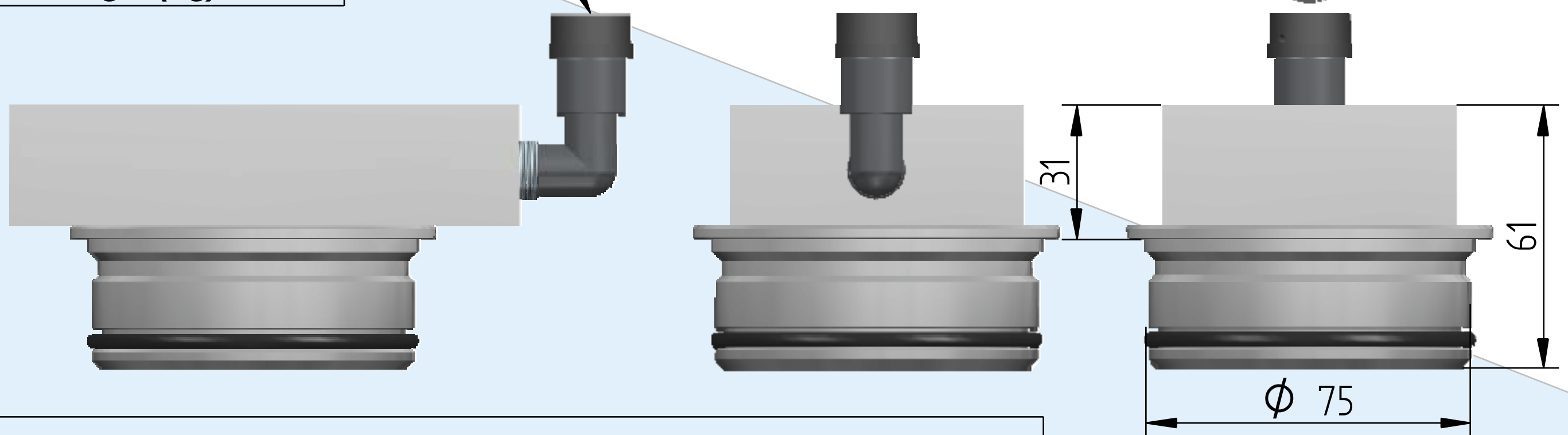


kit di montaggio a serbatoio cilindrico tipo SRC con pompa a mano tipo HPT-HPTD
Mounting kit to cylindrical oil tank type SRC with hand pump type HPT-HPTD

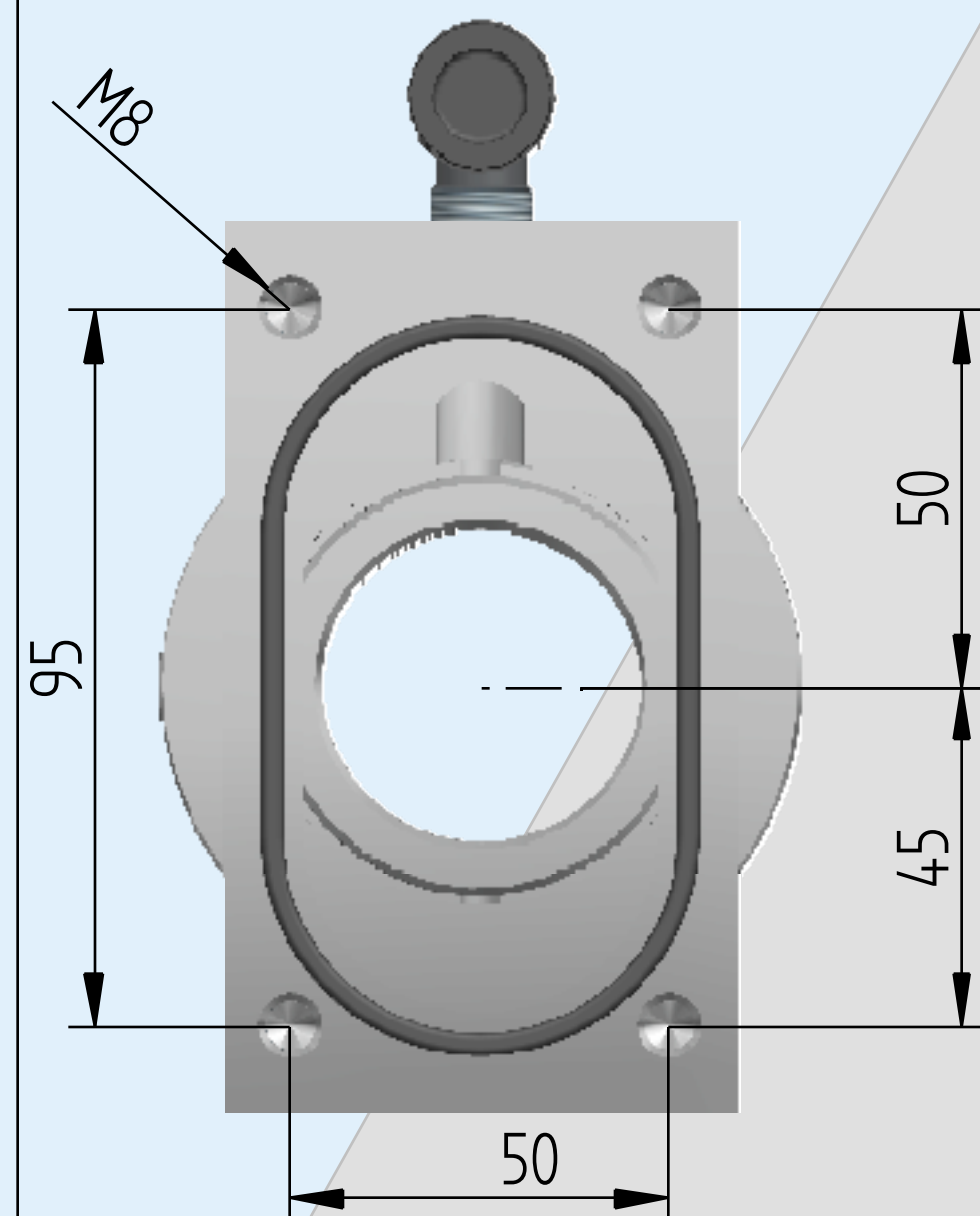
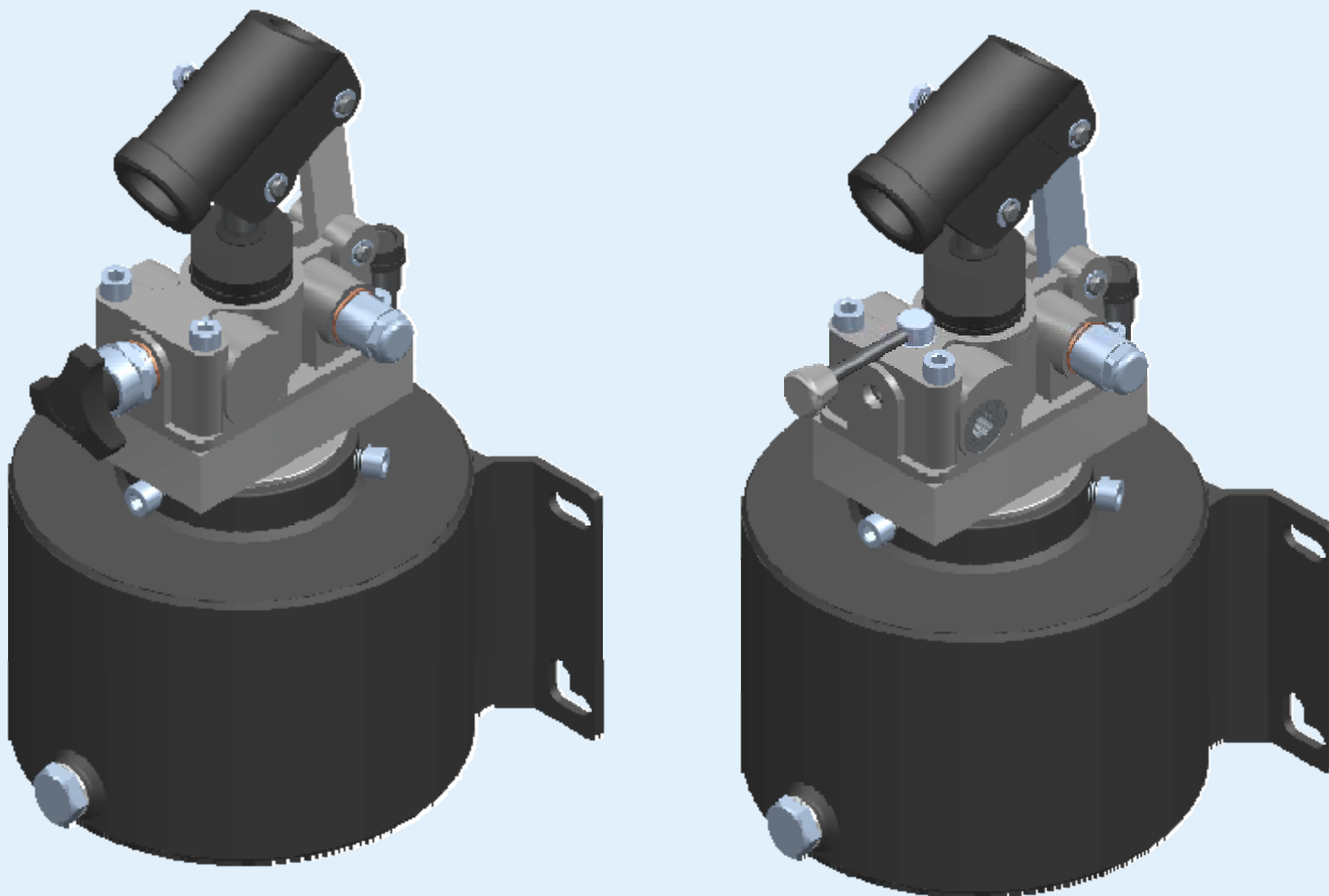


BREATHER CAP

Peso - Weight (Kg): 0,7



EXAMPLE OF INSTALLATION



Montaggio: Qualsiasi posizione
Mounting: Any position

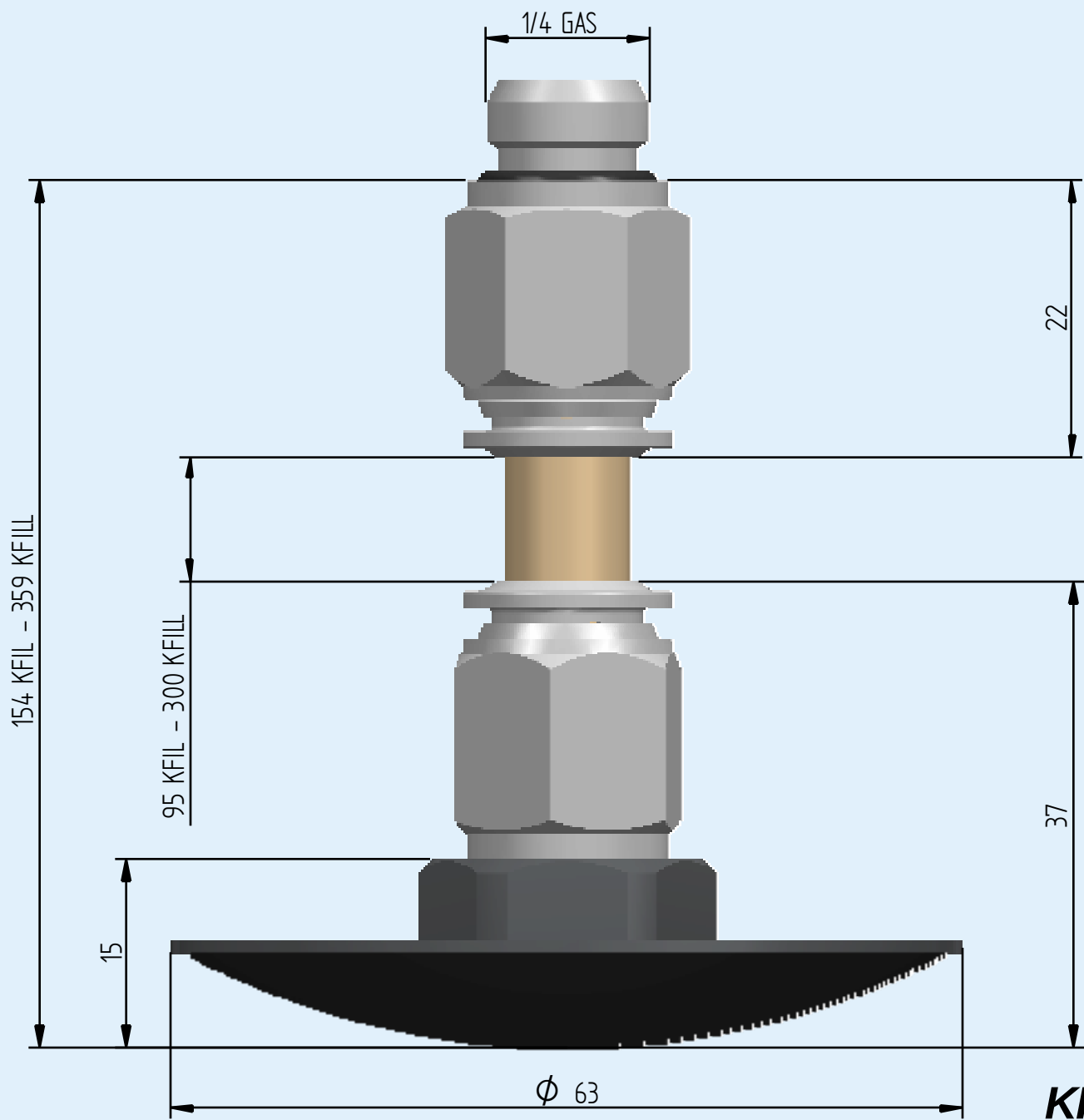
KFIL KRAC

Kit filtro aspirazione
Suction kit

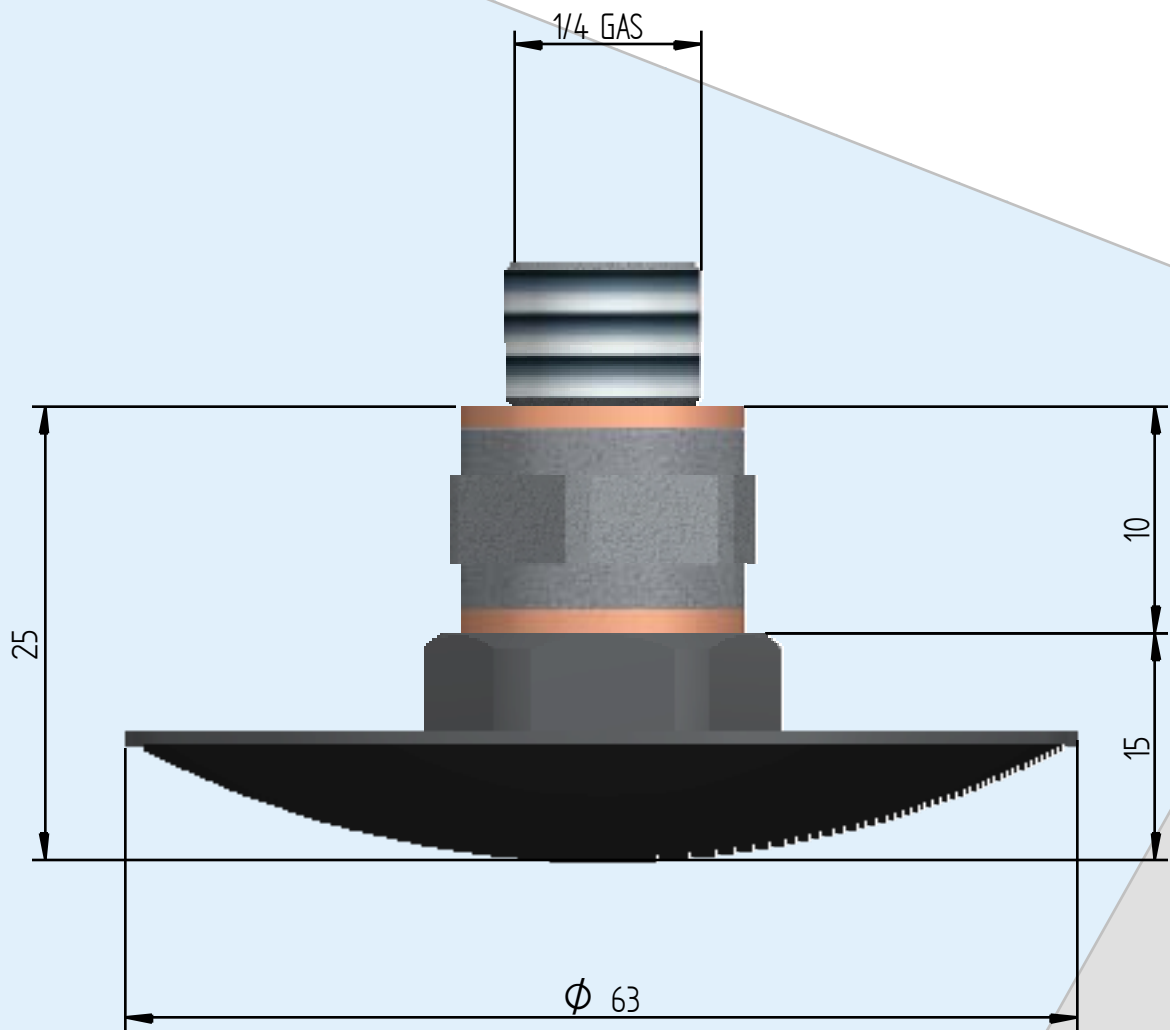


Codice / Code	KFIL	KFILS	KFILL	KRAC
Filtro / Filter (Micron)	90	90	90	520
Superficie filtrante / Filtering surface (mm2)	3000	3000	3000	415
Portata / Flow (Lt/Min)	7	7	7	2,5
Oil tank with measure H (mm) equal or less than 145 mm	NO	OK	NO	OK
Oil tank with measure H (mm) between 146 mm and 249 mm	OK	NO	NO	OK
Oil tank with measure H (mm) equal or more than 250 mm	NO	NO	OK	OK
Mounted with KCHP on oil tank	OK	NO	OK	OK

KFIL ~ KFILL

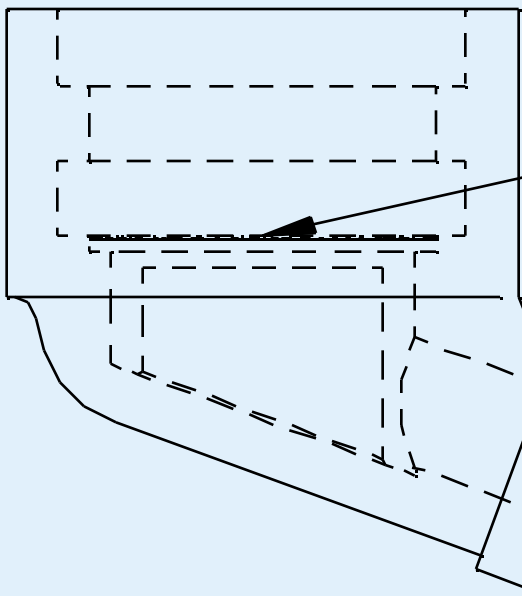
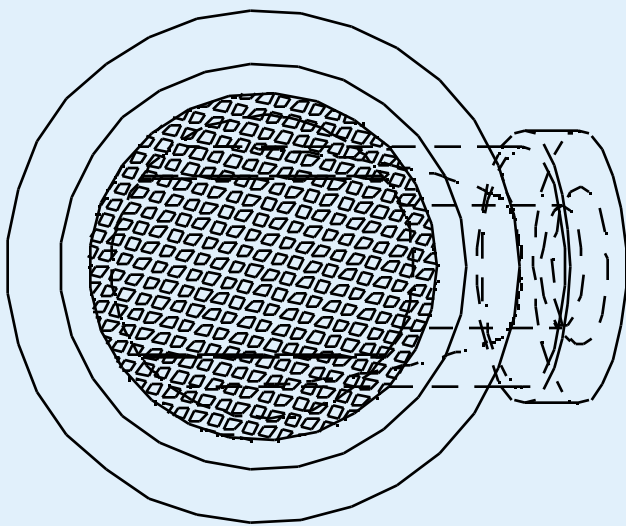


KFILS



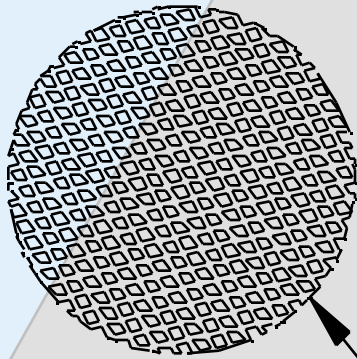
KFIL - KFILL - KFILS to be used only with 1/4 gas aspiration suction

KRAC



Filter

For pipe d.10 mm



Filter

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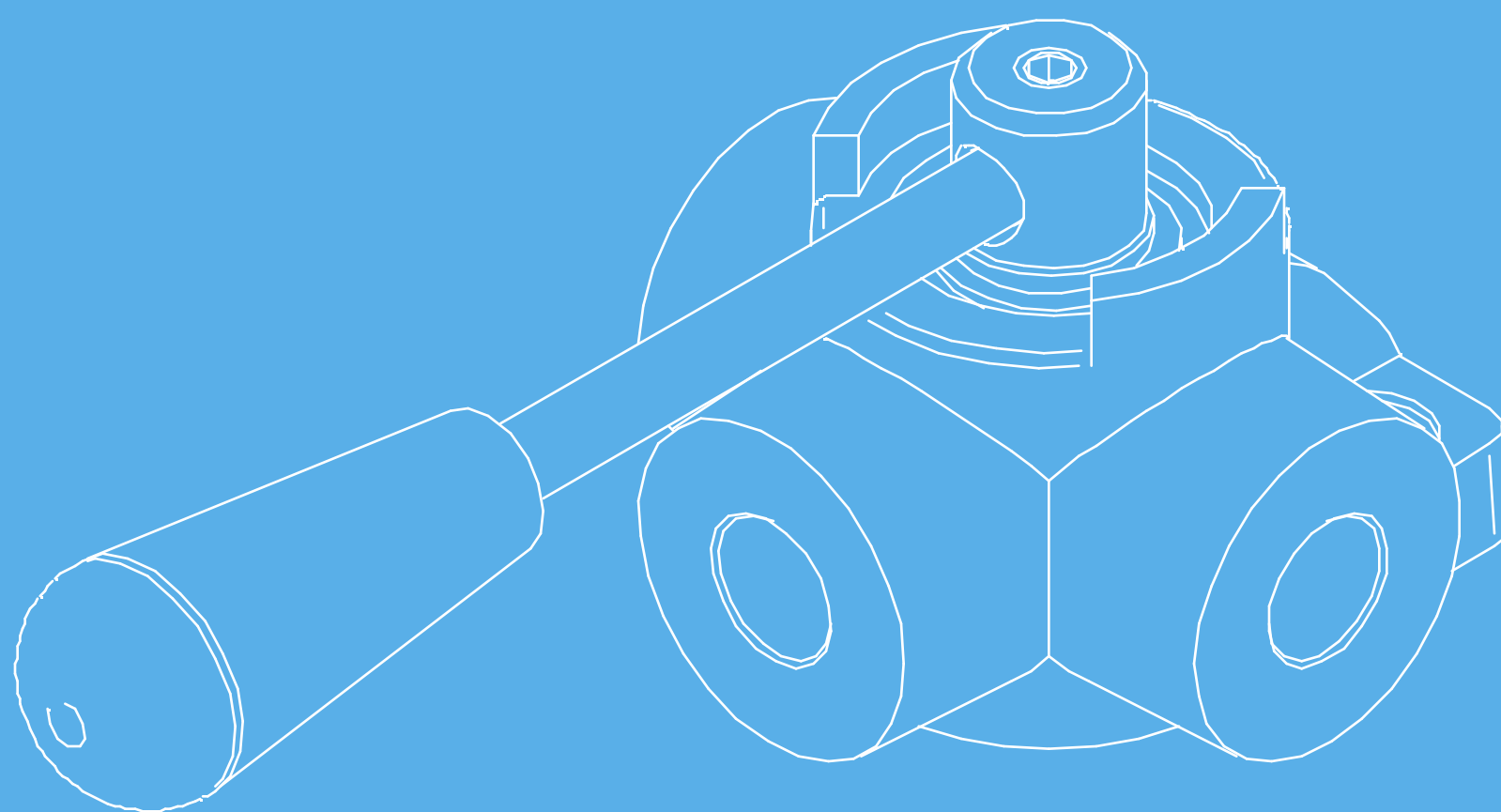
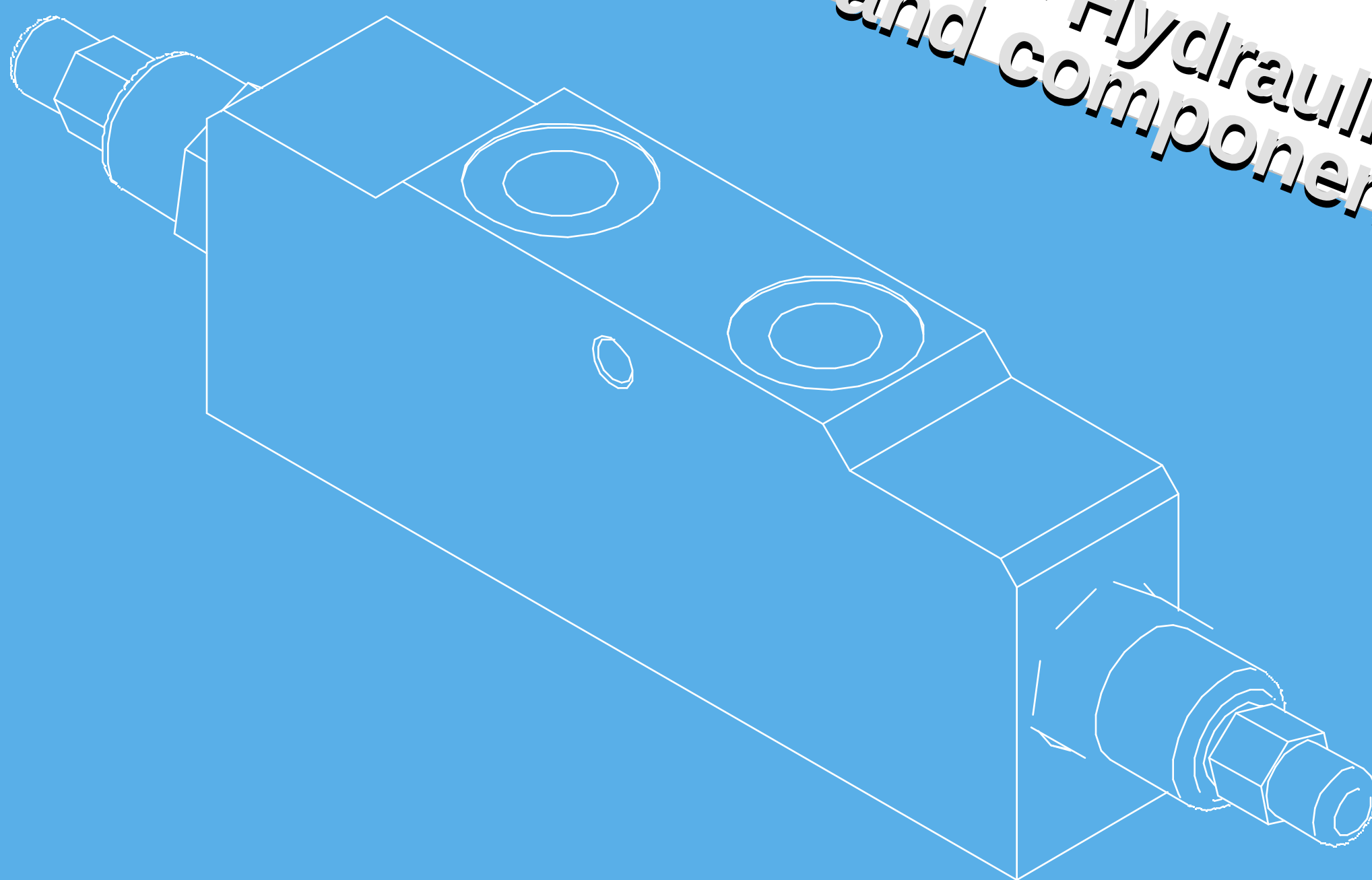
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*Valvole oleodinamiche - Hydraulic valves
e accessori - and components*



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CATALOGO TECNICO *TECHNICAL CATALOGUE*

Valvole oleodinamiche e accessori
Hydraulic valves and components

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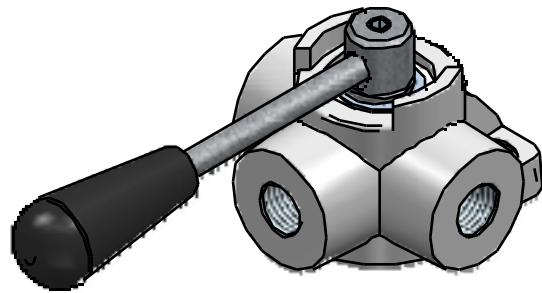
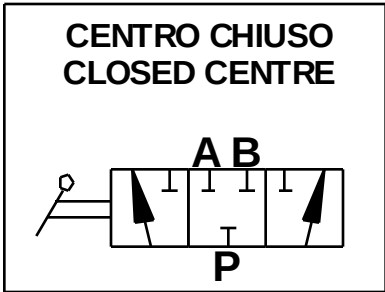
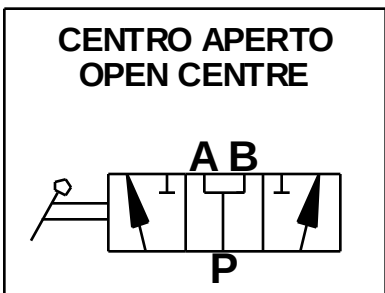
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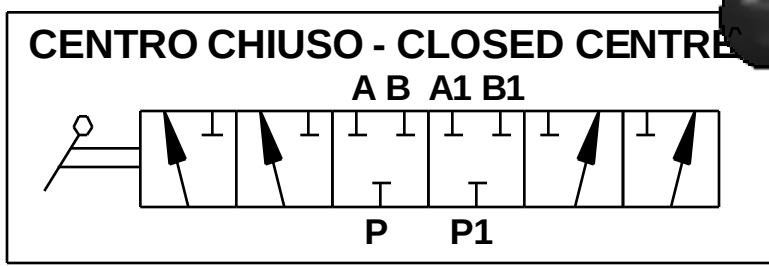
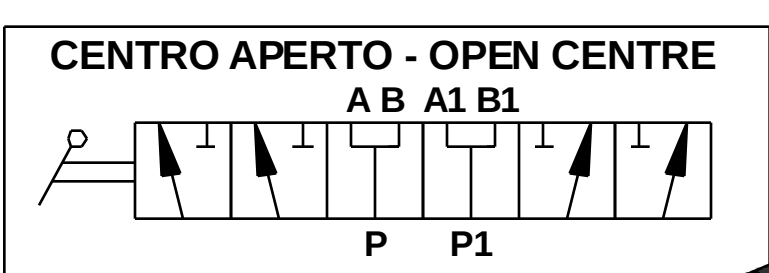
Valvole oleodinamiche - Hydraulic valves

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-Tabella per la regolazione della valvola di controllo discesa compensata regolabile - Table for setting of adjustable compensated load control valve		32
-Valvola di controllo discesa compensata regolabile diretta - Direct adjustable compensated load control valve	VURCFF	33
-Valvola di massima pressione a cartuccia ad azione diretta - Direct acting cartridge style relief valve	VMC	34

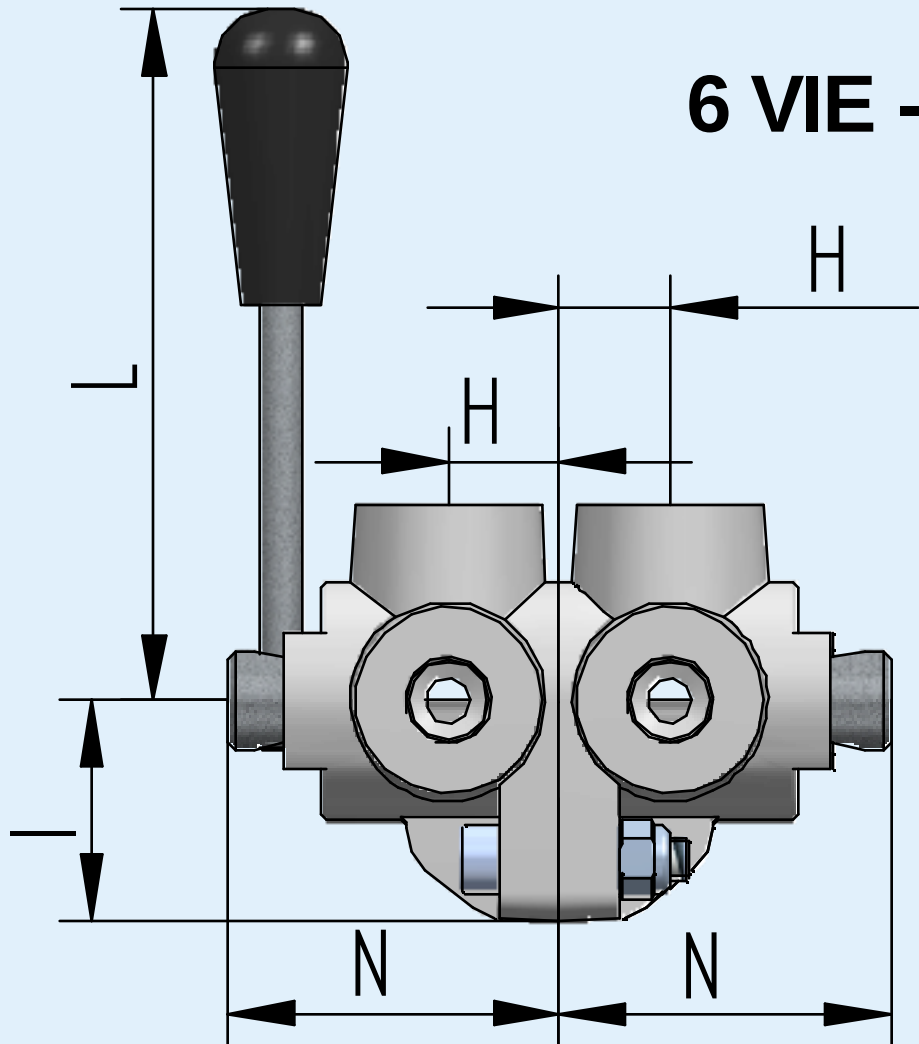
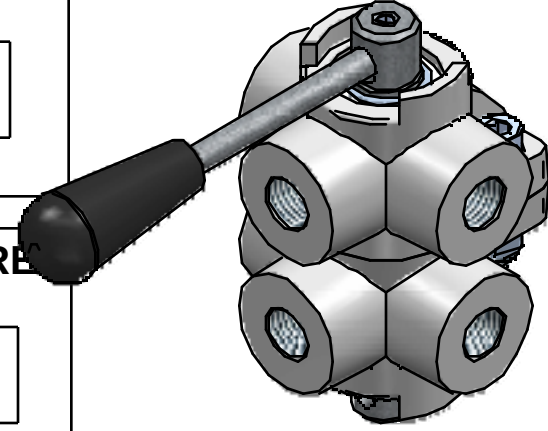
Descrizione / Codice Description / Code	DEV 3/8		DEV 1/2		DEV 3/4		DEV 1"	
	3V	6V	3V	6V	3V	6V	3V	6V
Pressione massima - Max pressure Bar	300		250		220		220	
Portata - Flow Lt/min	60	60+60	90	90+90	120	120+120	180	180+180
Peso - Weight Kg	0,9	1,80	1,4	2,90	1,82	3,64	2,5	5,00
A - B - P -- A1 - B1 - P1	3/8 GAS		1/2 GAS		3/4 GAS		1" GAS	
C	73		85		90		96	
D	24		32		32		32	
E	8,5		10,5		10,5		11	
F	26,5		35		41		50	
G	77		96		100		115	
H	21		25		28		32,5	
I	41		52		55		67	
L	128		128		128		140	
N	62		70		80		90	



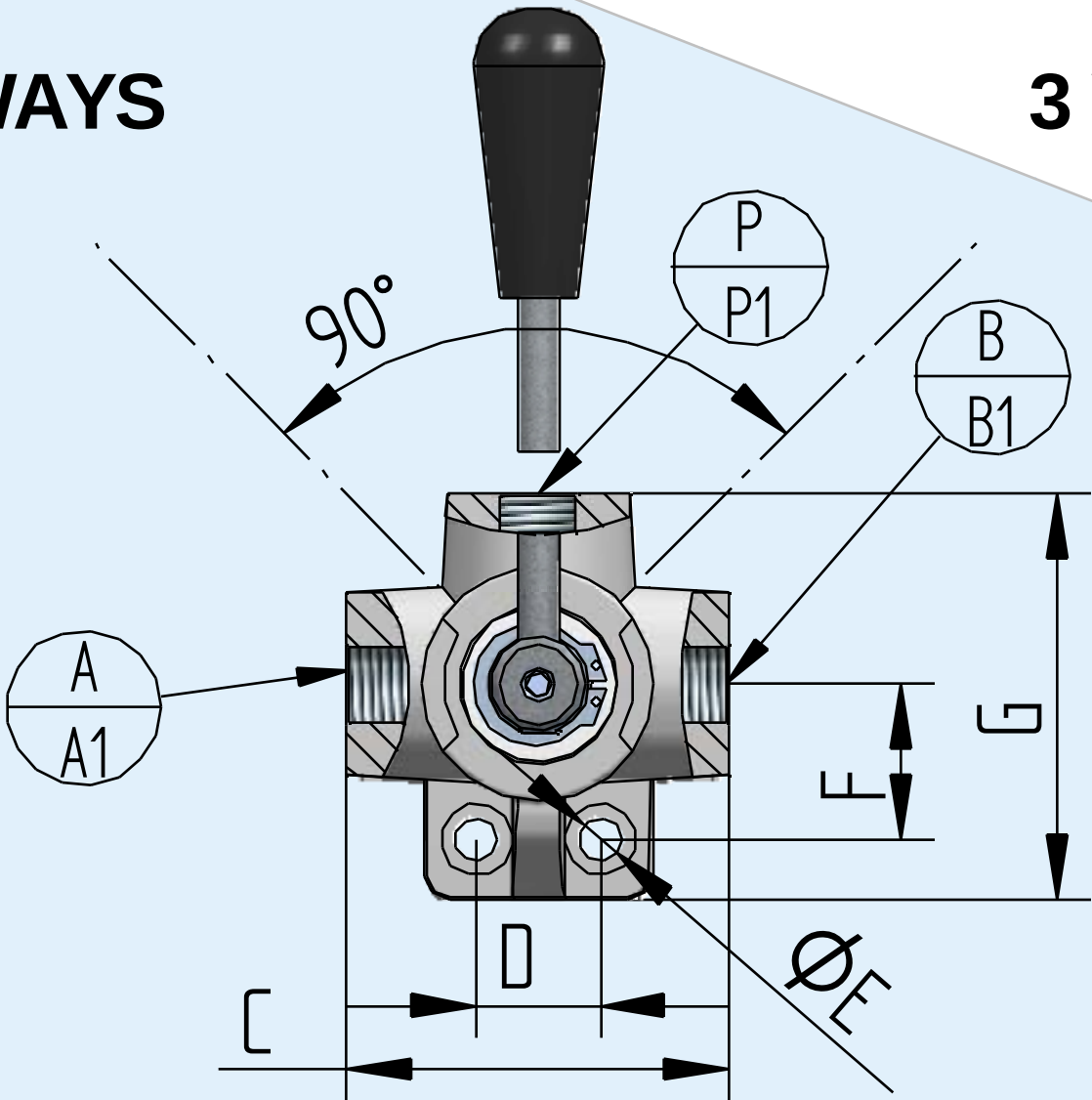
3 VIE - 3 WAYS



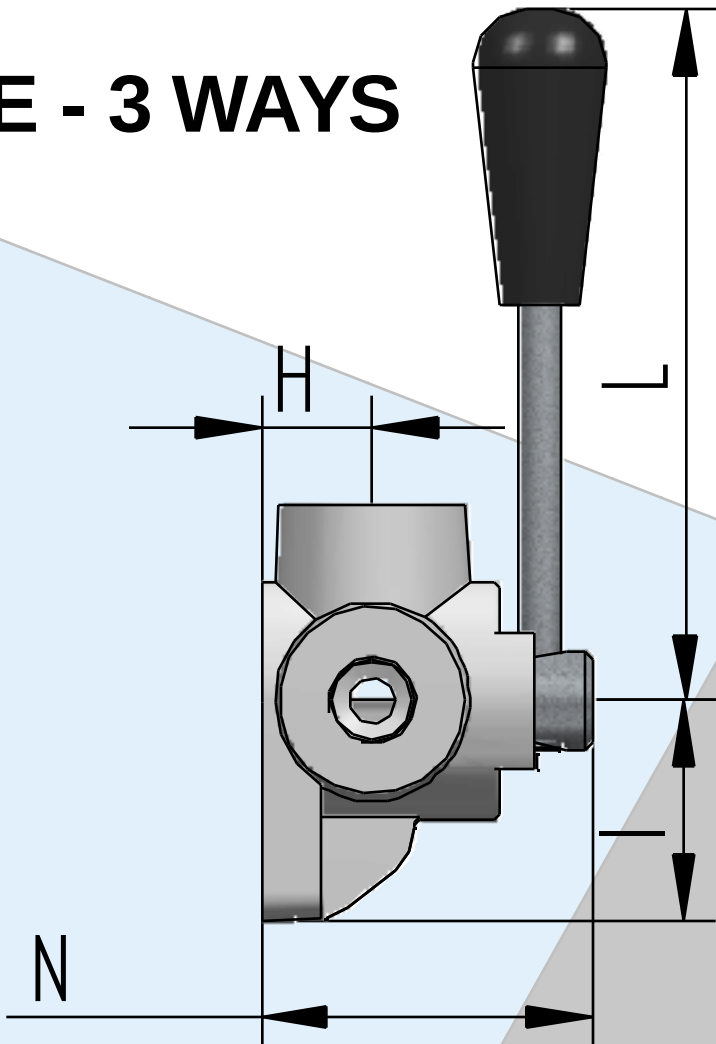
6 VIE - 6 WAYS



6 VIE - 6 WAYS



3 VIE - 3 WAYS



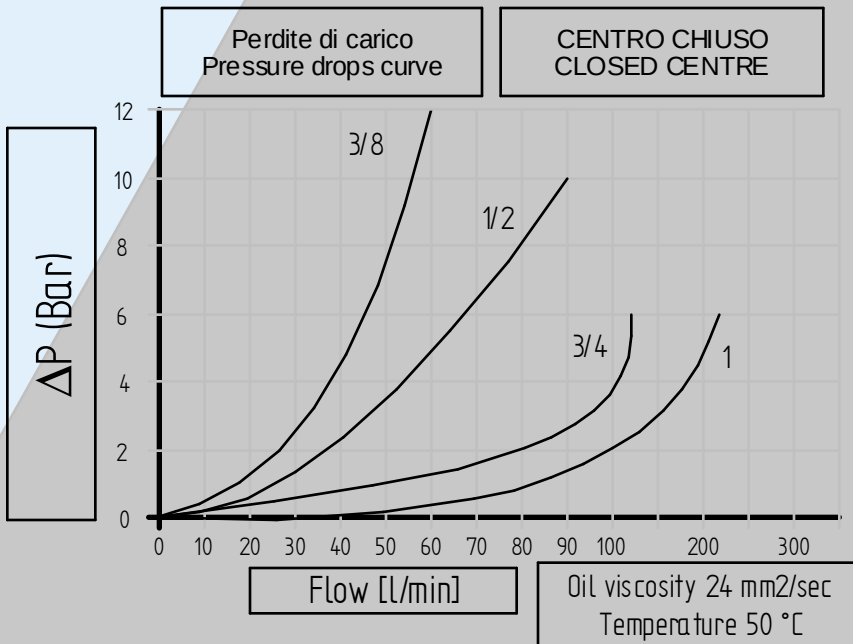
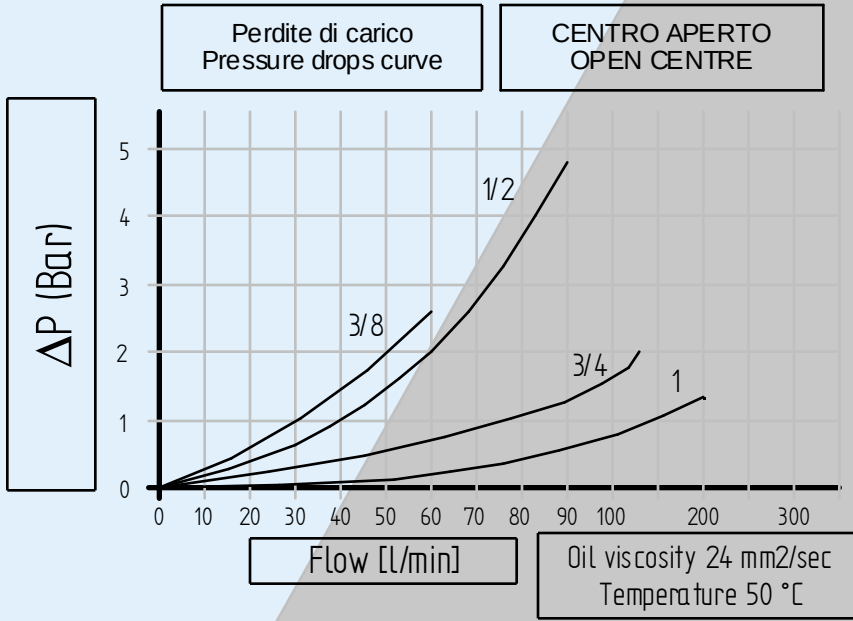
Codice di ordinazione - Ordering code

DEV	Option 1	3 V	Option 2	3/8	Option 3	CA
		6 V		1/2		CC
				3/4		
				1"		

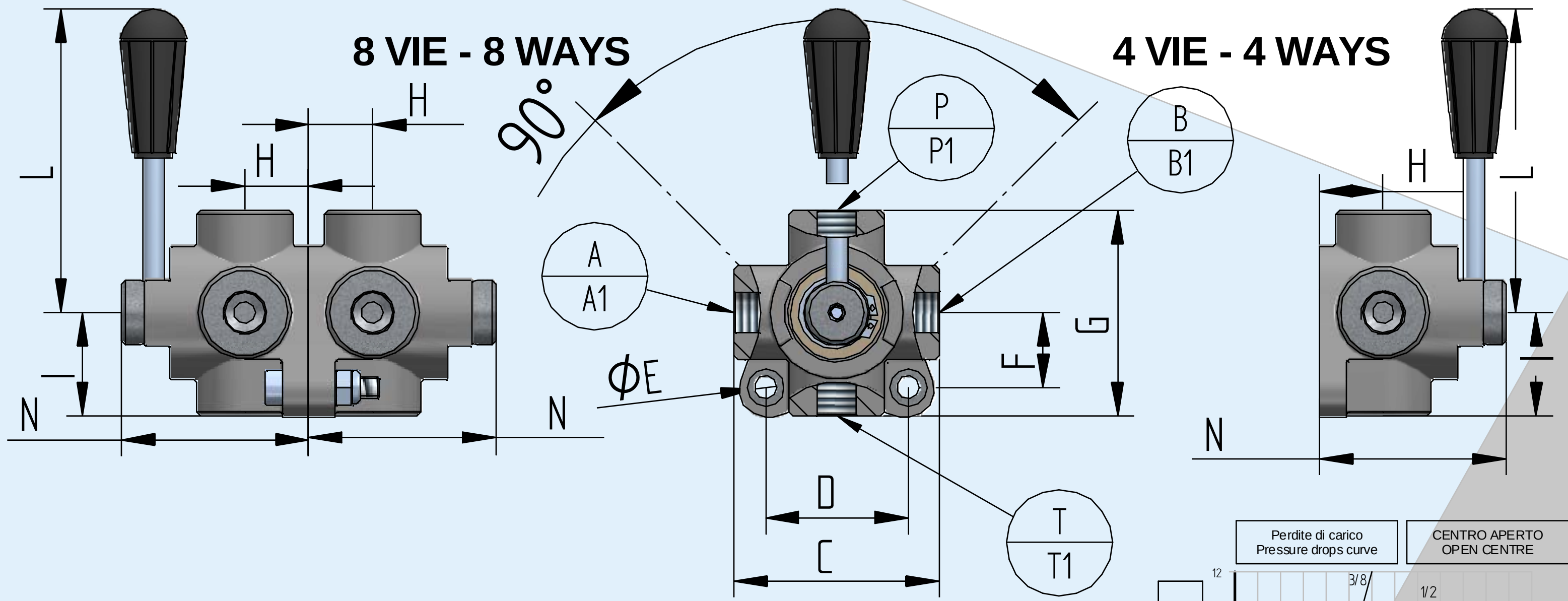
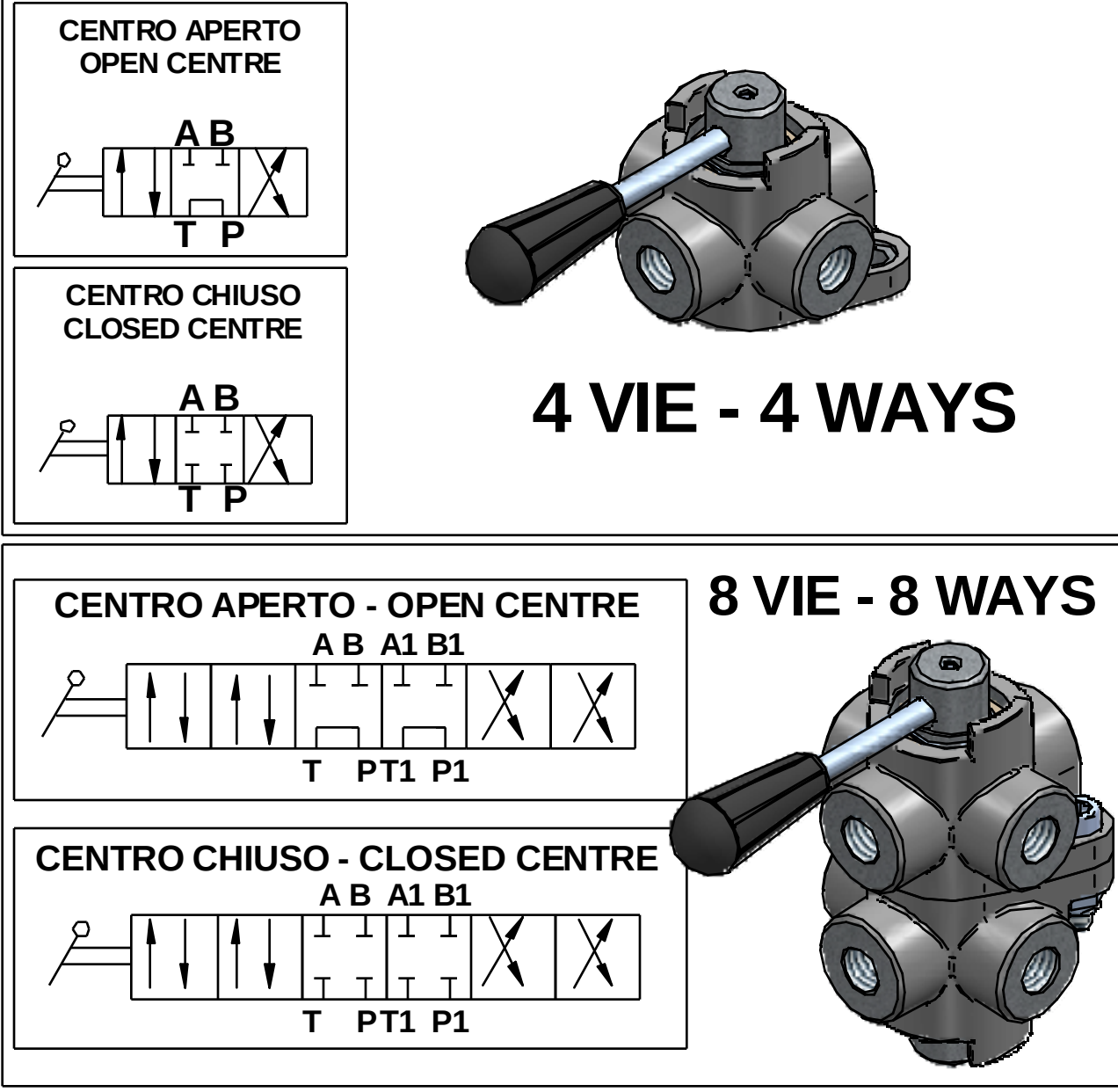
Option 1	
3V	N. 3 vie di connessione N. 3 ways connection
6V	N.6 vie di connessione N. 6 ways connection

Option 2	
Thread A-B-P-A1-B1-P1	
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas
G1	Filetto 1" Gas - Thread 1" Gas

Option 3	
CA	Cursore centro aperto Open centre cursor
CC	Cursore centro chiuso Closed centre cursor



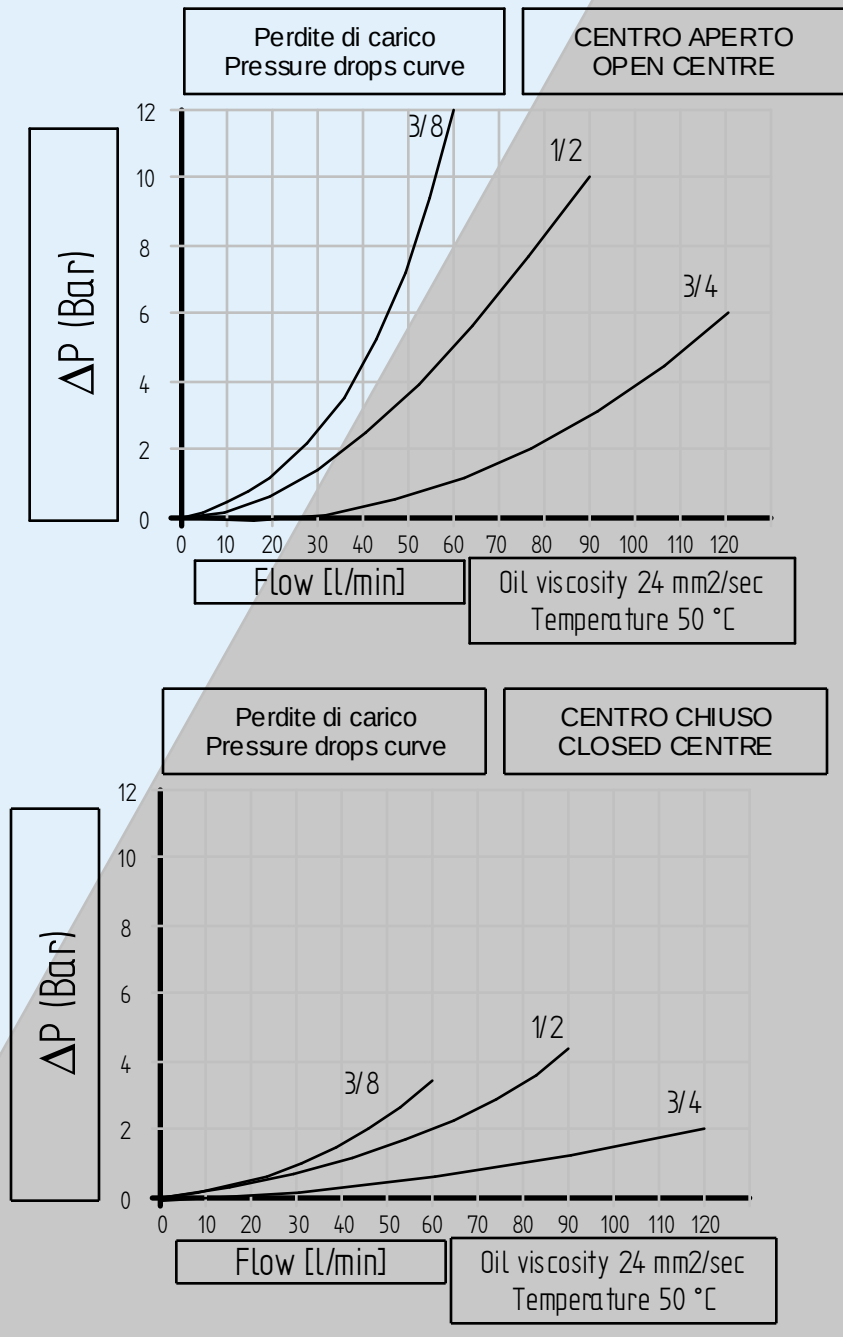
Descrizione / Codice Description / Code	INV 3/8		INV 1/2		INV 3/4	
	4V	8V	4V	8V	4V	8V
Pressione massima - Max pressure Bar	300		250		250	
Portata - Flow Lt/min	60	60+60	90	90+90	120	120+120
Peso - Weight Kg	1,27	2,54	1,87	3,76	2,50	5,00
A - B - T - P -- A1 - B1 - T1 - P1	3/8 GAS		1/2 GAS		3/4 GAS	
C	77		90		95	
D	53.5		68		74	
E	8,5		8,5		8,5	
F	28		35		38	
G	77		90		95	
H	24		28		32	
I	39		45		50	
L	126		123		145	
N	70		80		90	



Codice di ordinazione - Ordering code

INV	Option 1	4 V	Option 2	3/8	Option 3	CA
	8 V	1/2	CC			
		3/4				

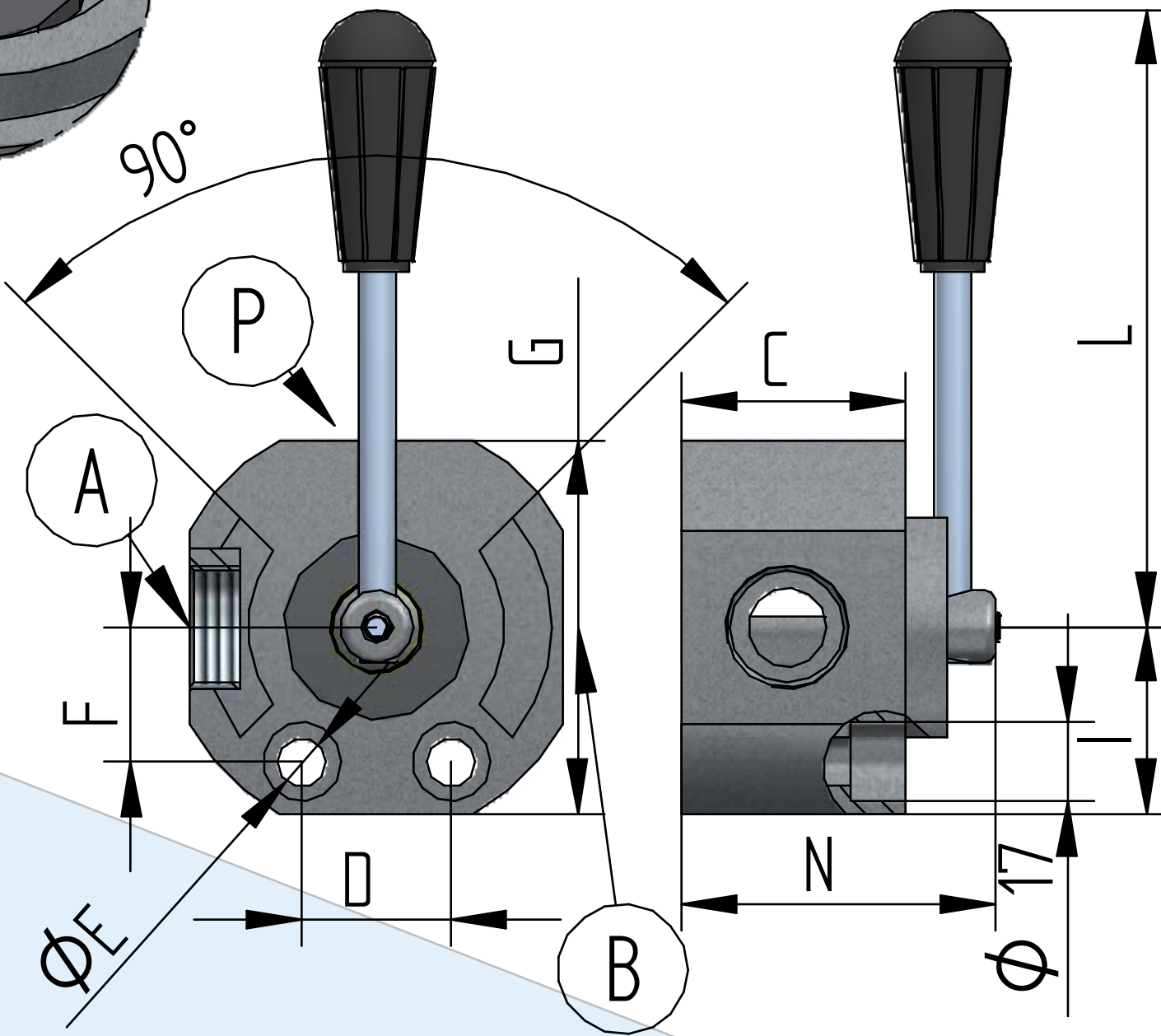
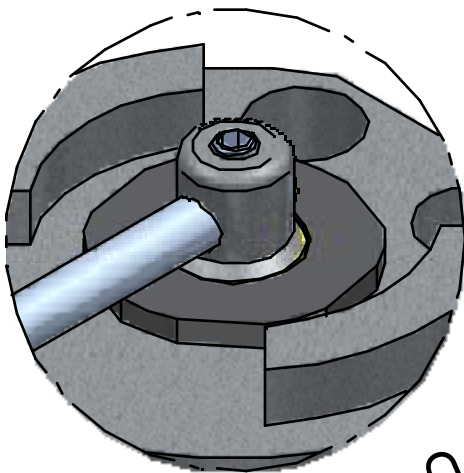
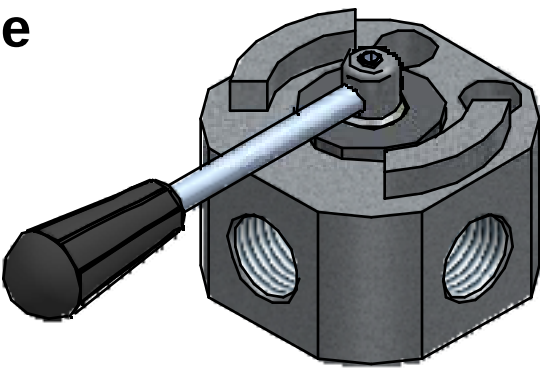
Option 1		Option 2		Option 3	
4V	N. 4 vie di connessione N. 4 ways connection	Thread A-B-T-P-A1-B1-T1-P1		CA	Cursore centro aperto Open centre cursor
8V	N. 8 vie di connessione N. 8 ways connection	G3/8 Filetto 3/8 Gas - Thread 3/8 Gas		CC	Cursore centro chiuso Closed centre cursor
		G1/2 Filetto 1/2 Gas - Thread 1/2 Gas			
		G3/4 Filetto 3/4 Gas - Thread 3/4 Gas			



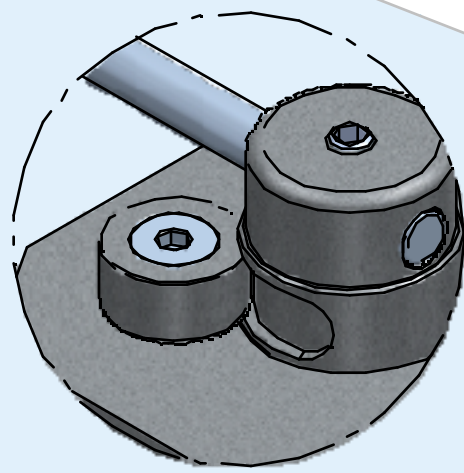
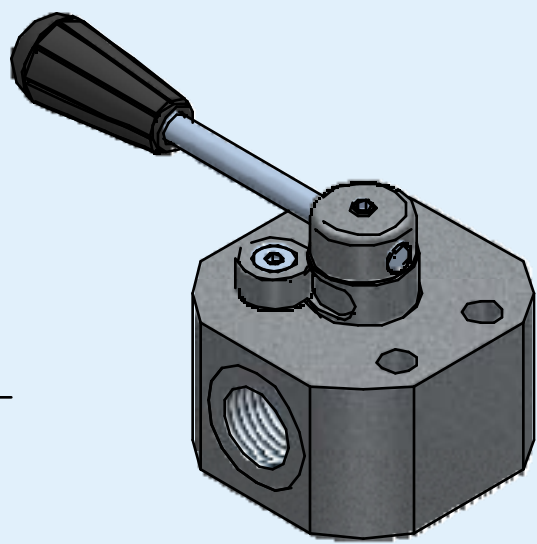
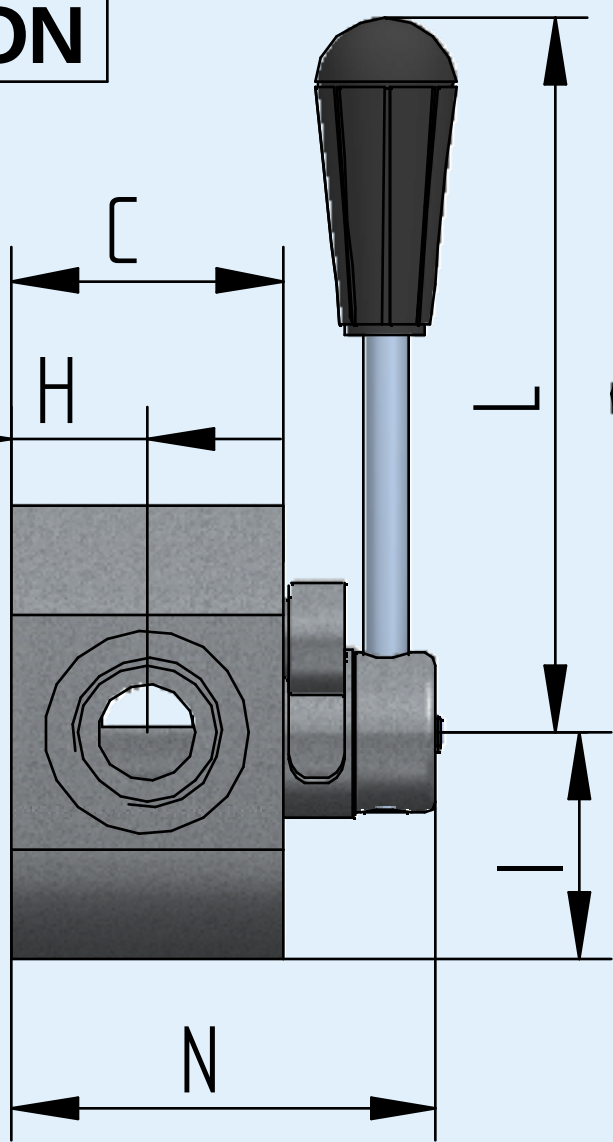
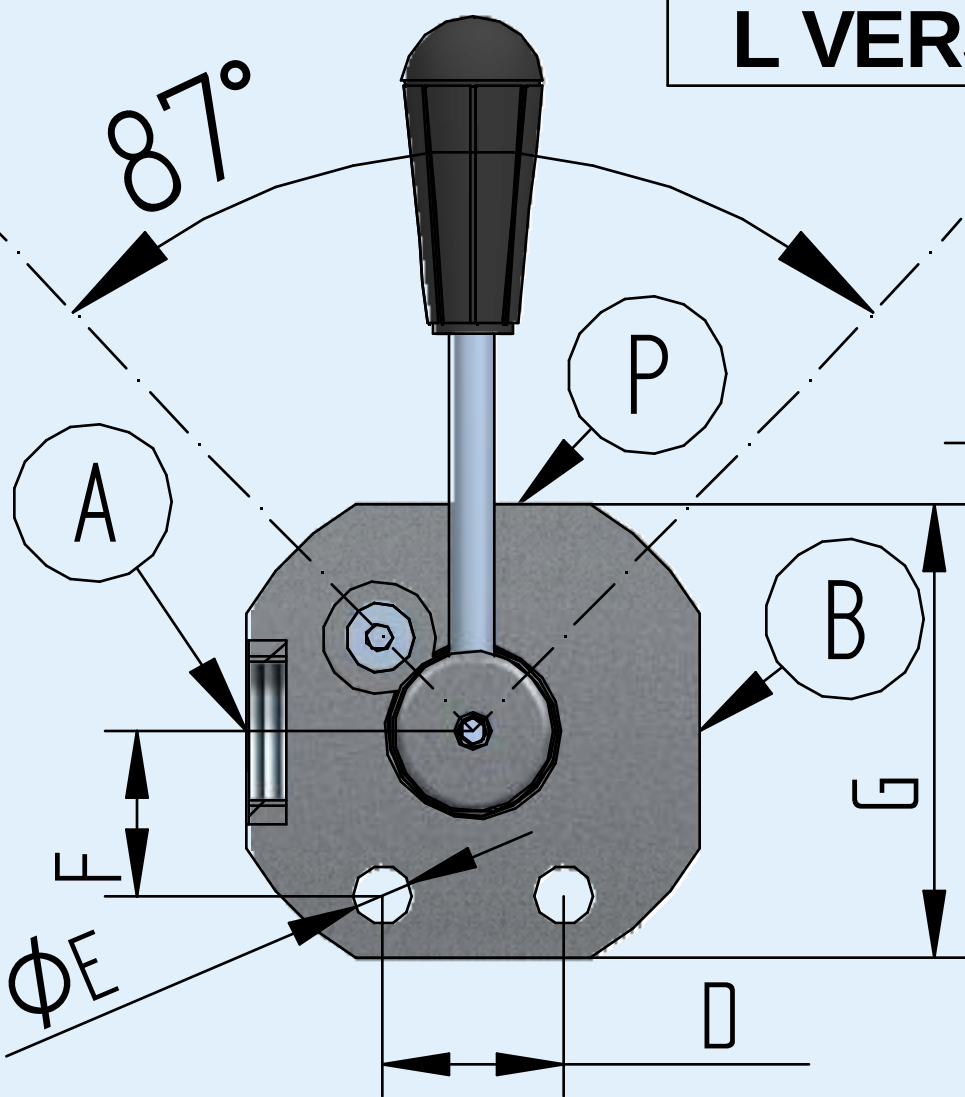
Descrizione / Codice Description / Code		DEVAPL 3V3/4	DEVAPW 3V3/4
Pressione massima - Max pressure	Bar	500	500
Portata - Flow	Lt/min	120	120
Peso - Weight	Kg	2,02	1,96
A - B - P		3/4 GAS	3/4 GAS
C		48	48
D		32	32
E		10,5	10,5
F		29	29
G		80	80
H		24	22,5
I		40	40
L		126	132
N		75	67

W VERSION

Maggior protezione
dello stelo
-
Best protection
of cursor



L VERSION



Codice di ordinazione - Ordering code

DEVAP

Option 1	L
	W

3V

Option 2	3/4
----------	-----

Option 3	CA
----------	----

Option 1

L	Versione L L version
W	Versione W W version

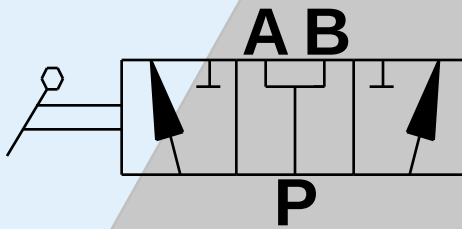
Option 2

Thread A-B-P-A1-B1-P1
G3/4 Filetto 3/4 Gas - Thread 3/4 Gas

Option 3

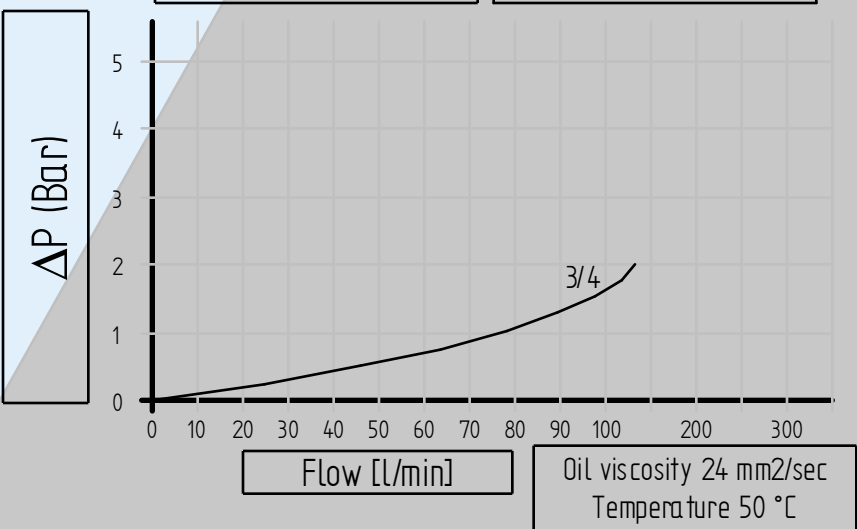
CA	Cursore centro aperto Open centre cursor
----	---

CENTRO APERTO
OPEN CENTRE

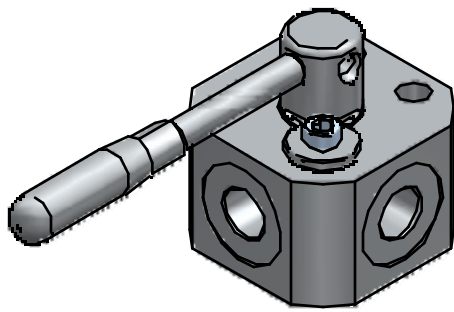
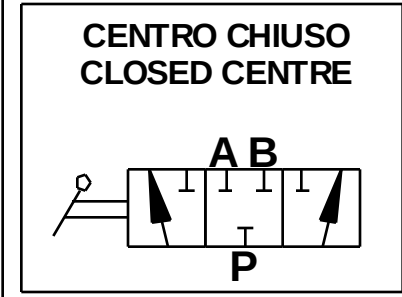
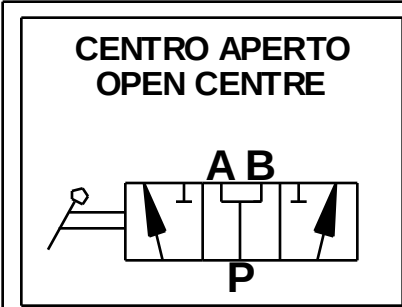


Perdite di carico
Pressure drops curve

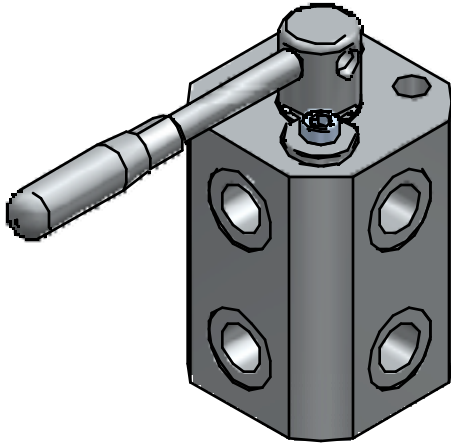
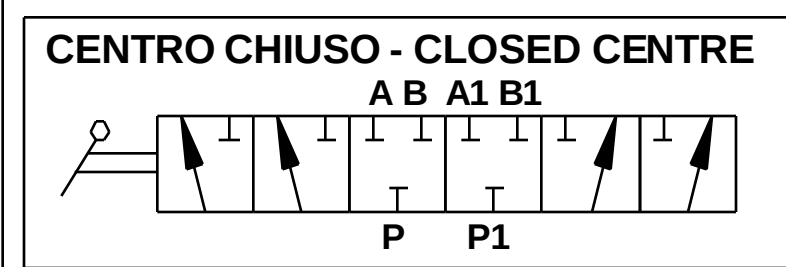
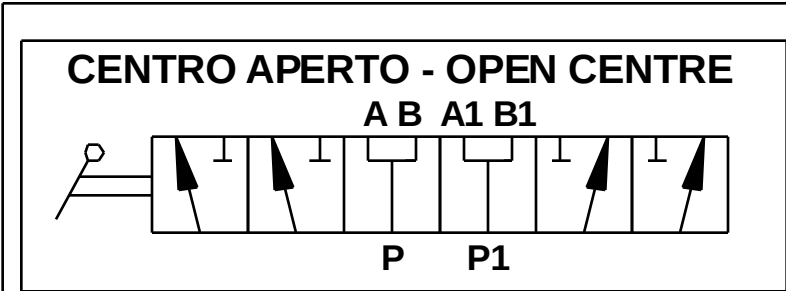
CENTRO APERTO
OPEN CENTRE



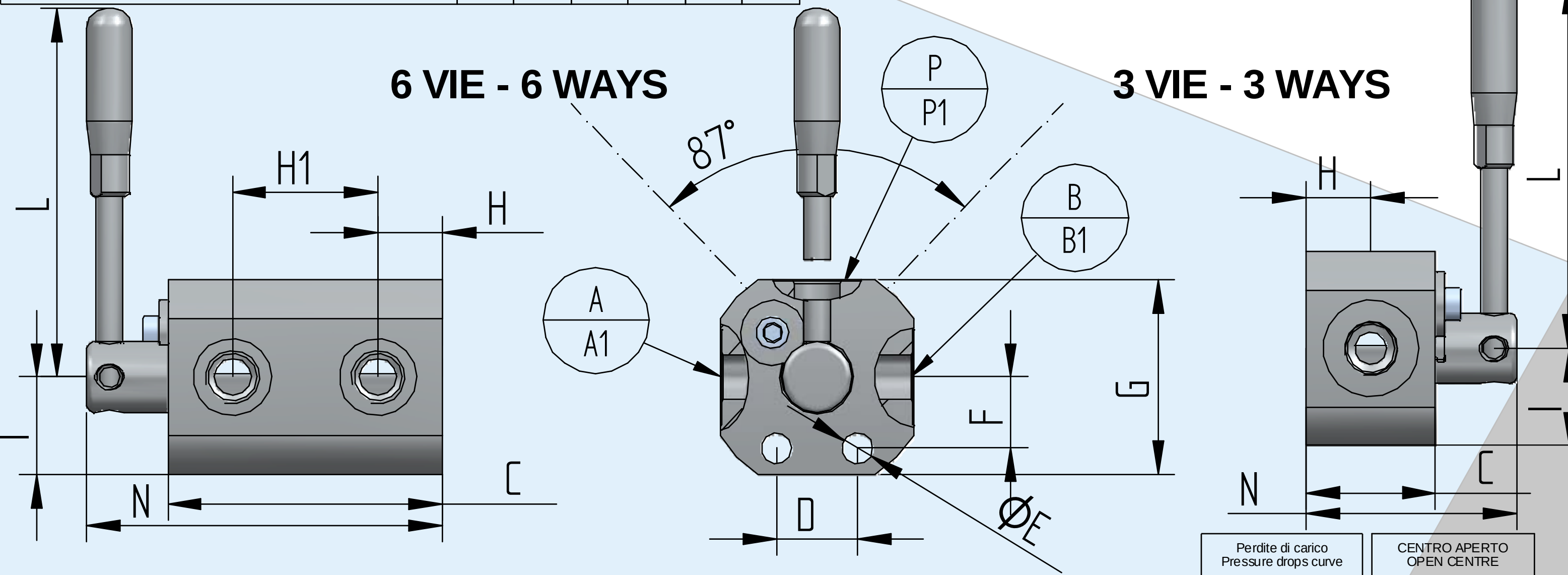
Descrizione / Codice Description / Code	DEVAP 1/4		DEVAP 3/8		DEVAP 1/2	
	3V	6V	3V	6V	3V	6V
Pressione massima - Max pressure Bar	400		400		400	
Portata - Flow Lt/min	35	35+35	50	50+50	80	80+80
Peso - Weight Kg	1,15	2,25	1,10	2,15	1,15	2,25
A - B - P -- A1 - B1 - P1	1/4 GAS		3/8 GAS		1/2 GAS	
C	40	85	40	85	40	85
D	26		26		26	
E	9,5		9,5		9,5	
F	22		22		22	
G	60		60		60	
H	20	20	20	20	20	20
H1	-	45	-	45	-	45
I	30		30		30	
L	126		126		126	
N	65	110	65	110	65	110



3 VIE - 3 WAYS



6 VIE - 6 WAYS



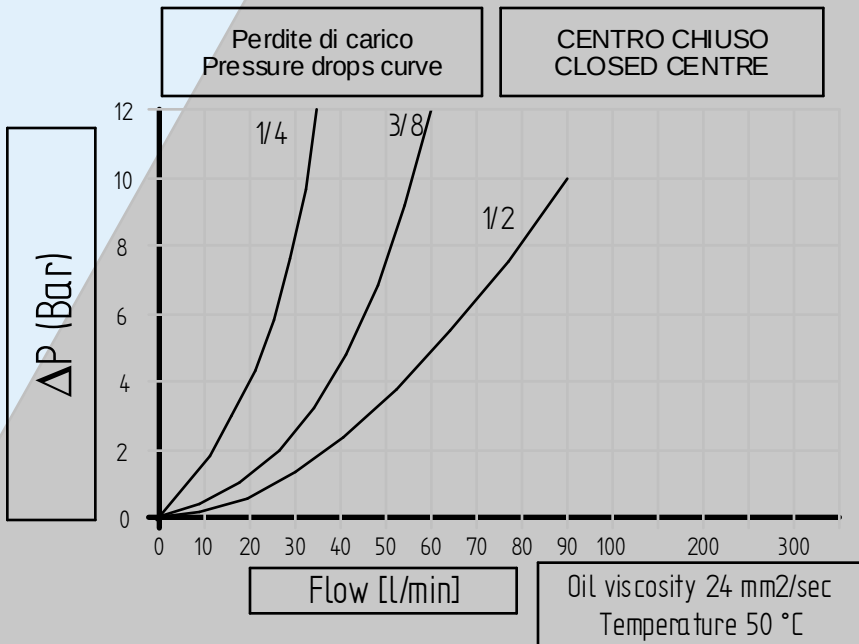
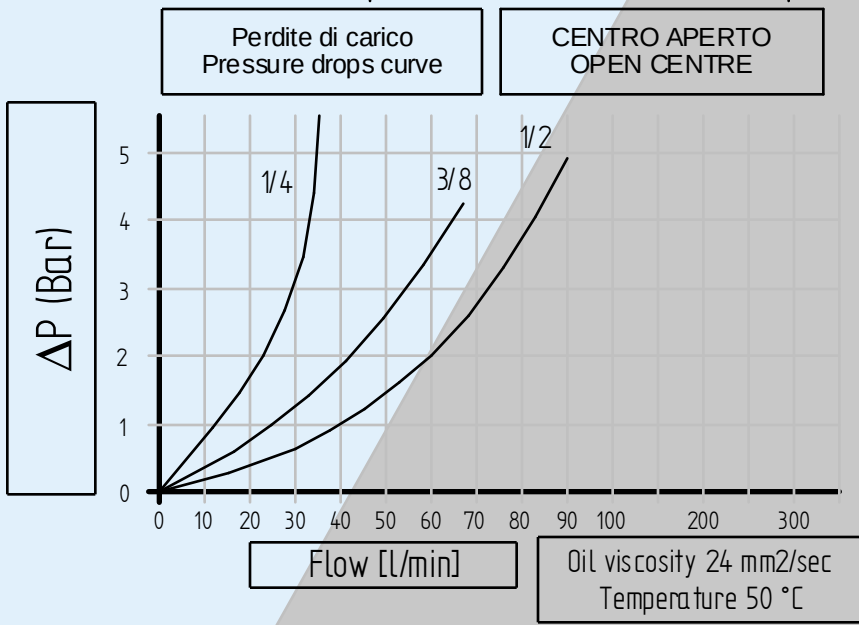
Codice di ordinazione - Ordering code

DEVAP	Option 1	3 V	Option 2	1/4	Option 3	CA
		6 V		3/8		CC
				1/2		

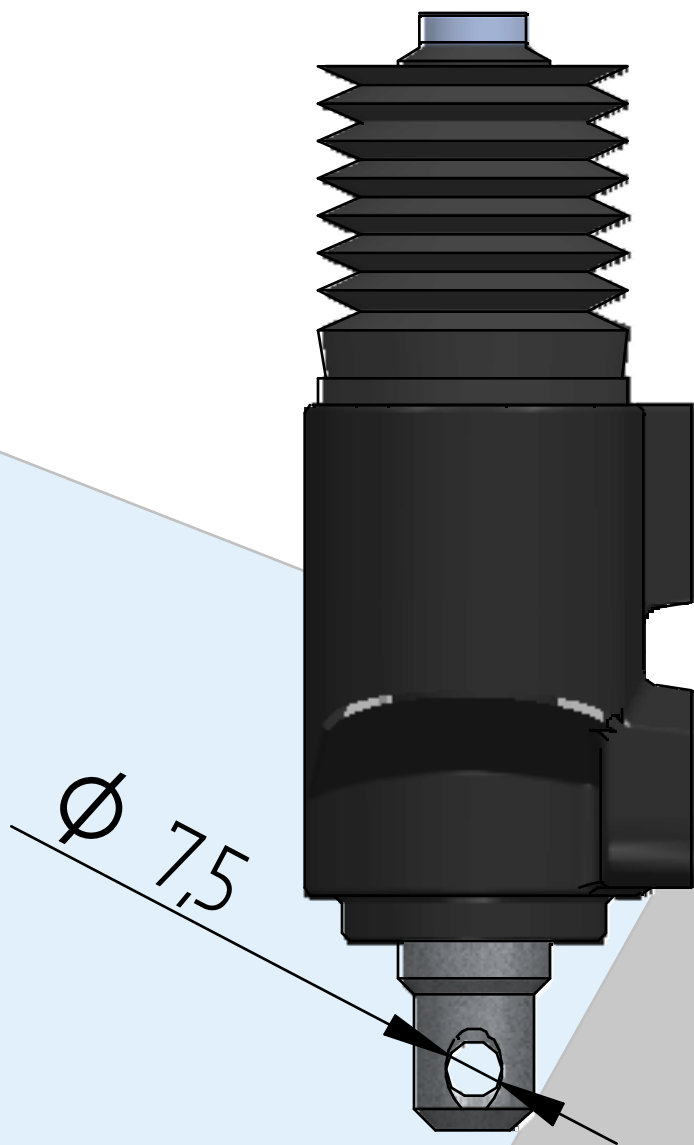
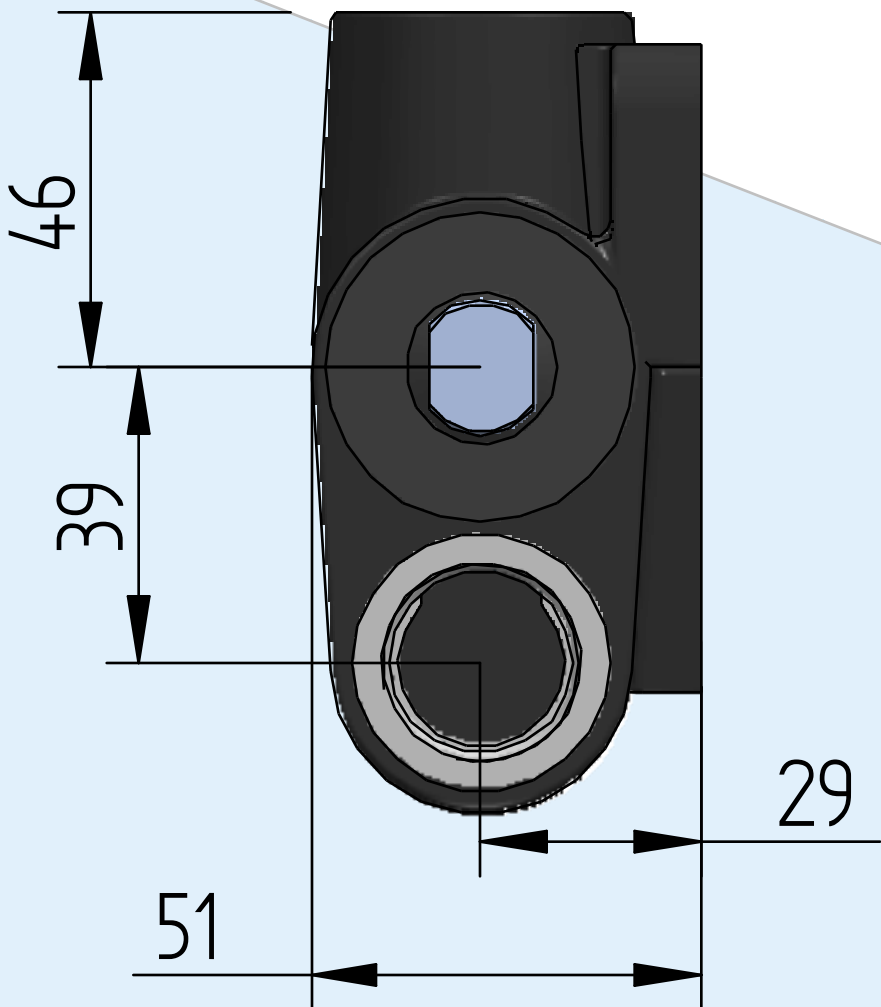
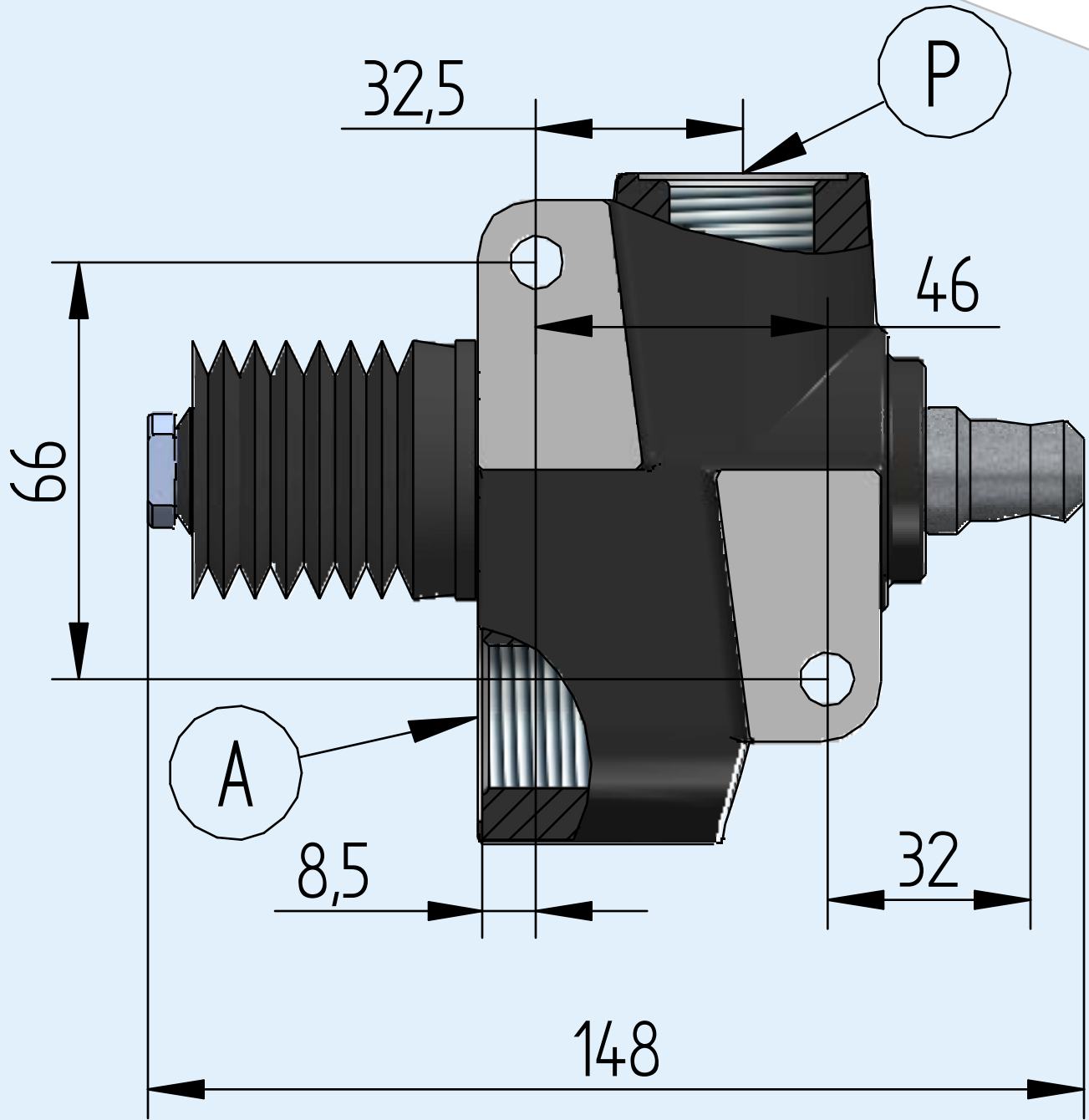
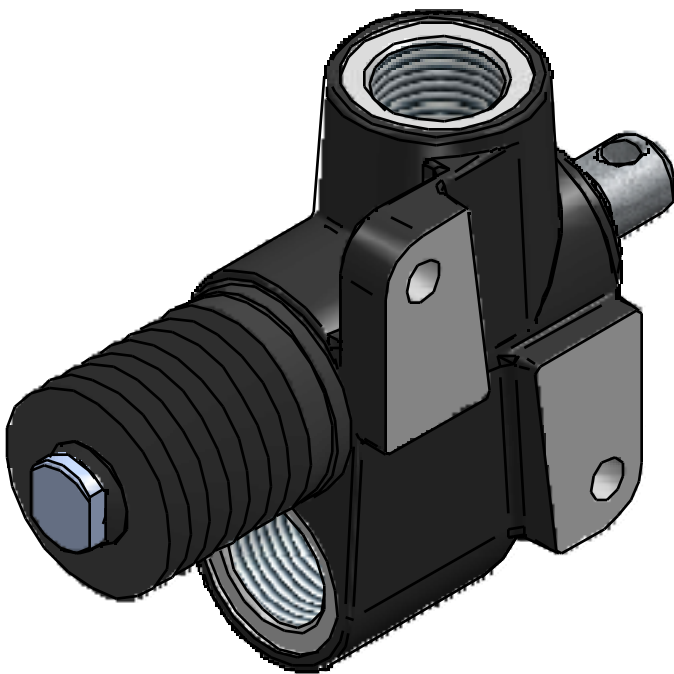
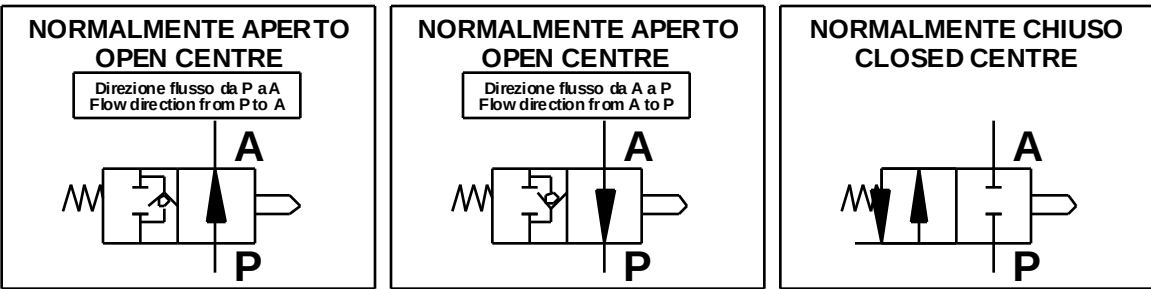
Option 1	
3V	N. 3 vie di connessione N. 3 ways connection
6V	N.6 vie di connessione N. 6 ways connection

Option 2	
Thread A-B-P-A1-B1-P1	
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas

Option 3	
CA	Cursore centro aperto Open centre cursor
CC	Cursore centro chiuso Closed centre cursor



Descrizione / Codice Description / Code	VFC3/8			VFC1/2			VFC3/4		
	TNA	TNC	TNAI	TNA	TNC	TNAI	TNA	TNC	TNAI
Pressione massima - Max pressure Bar	250			250			250		
Portata - Flow Lt/min	60			80			100		
Peso - Weight Kg	1,70			1,65			1,60		
A - P	3/8 GAS			1/2 GAS			3/4 GAS		
Corsa massima - Max stroke	14			14			14		
Direzione del flusso - Flow direction da P a A - from P to A	X	X		X	X		X	X	
Direzione del flusso - Flow direction da A a P - from A to P		X	X		X	X		X	X



Codice di ordinazione - Ordering code

VFC	Option 1	3/8	Option 2	TNA
		1/2		TNC
		3/4		TNAI

Option 1

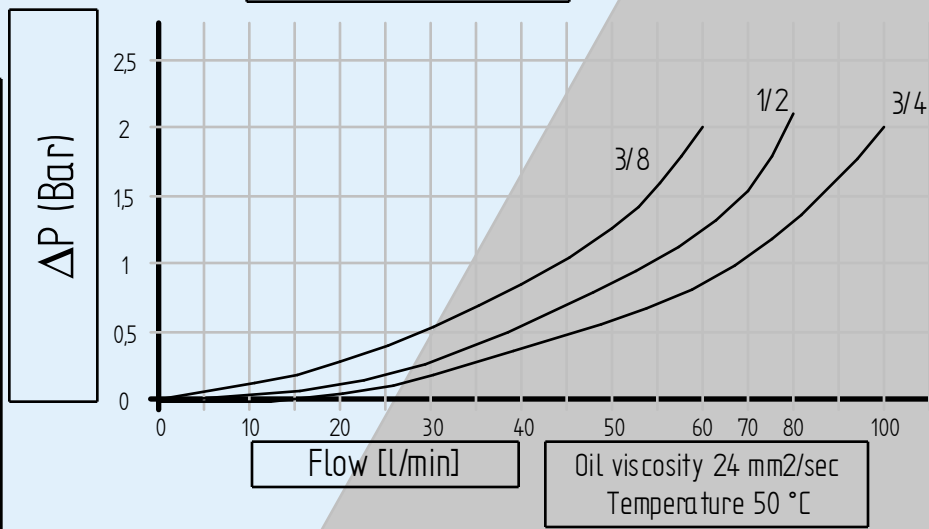
Thread A-P

G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas

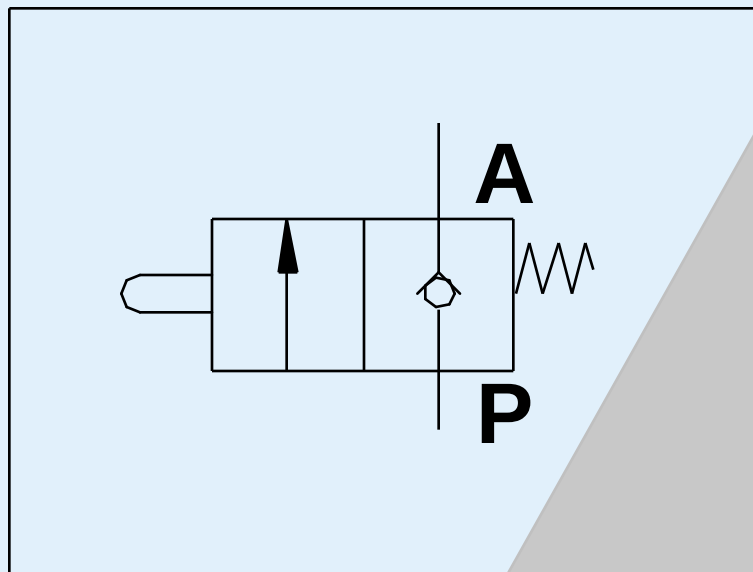
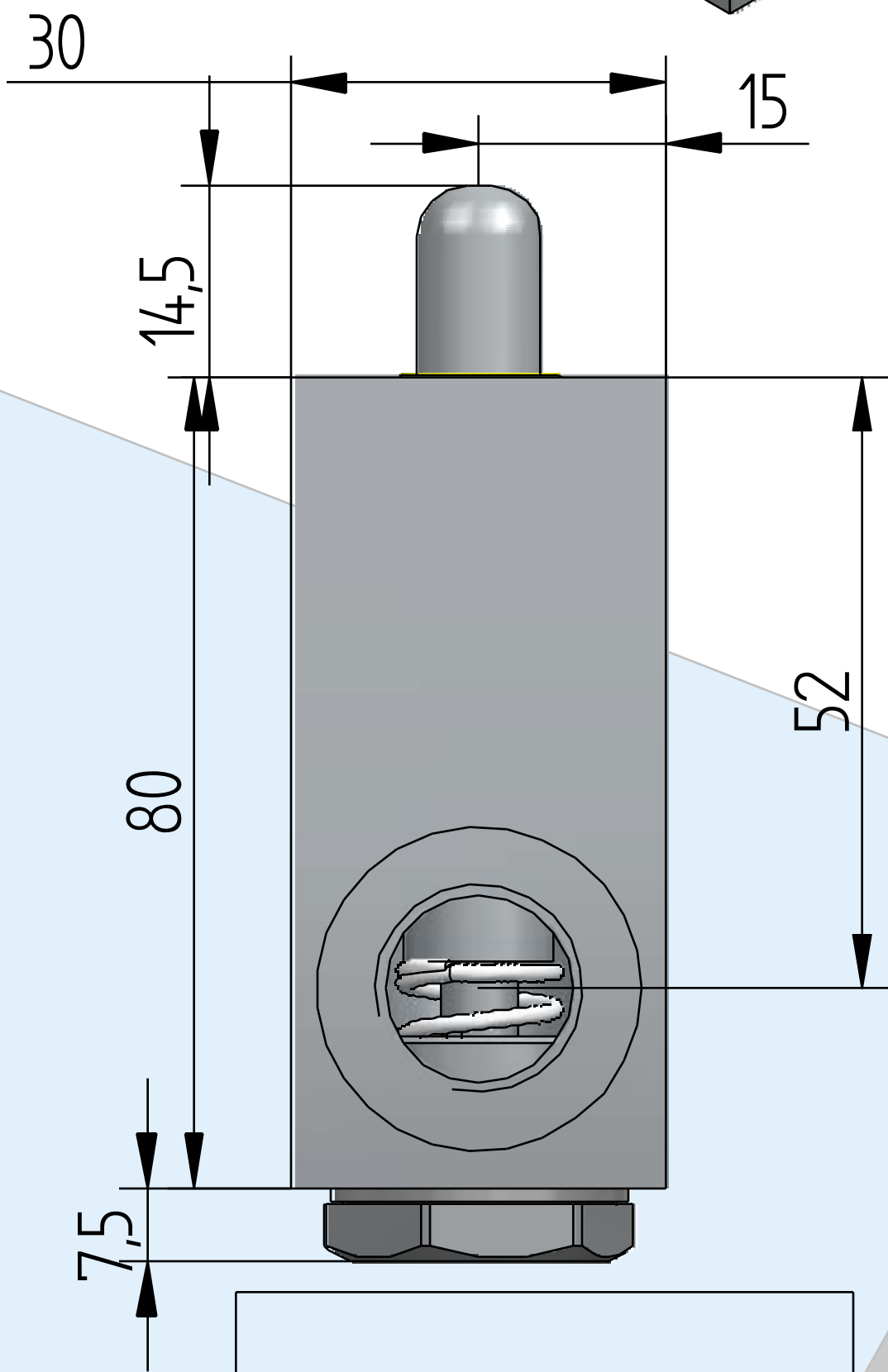
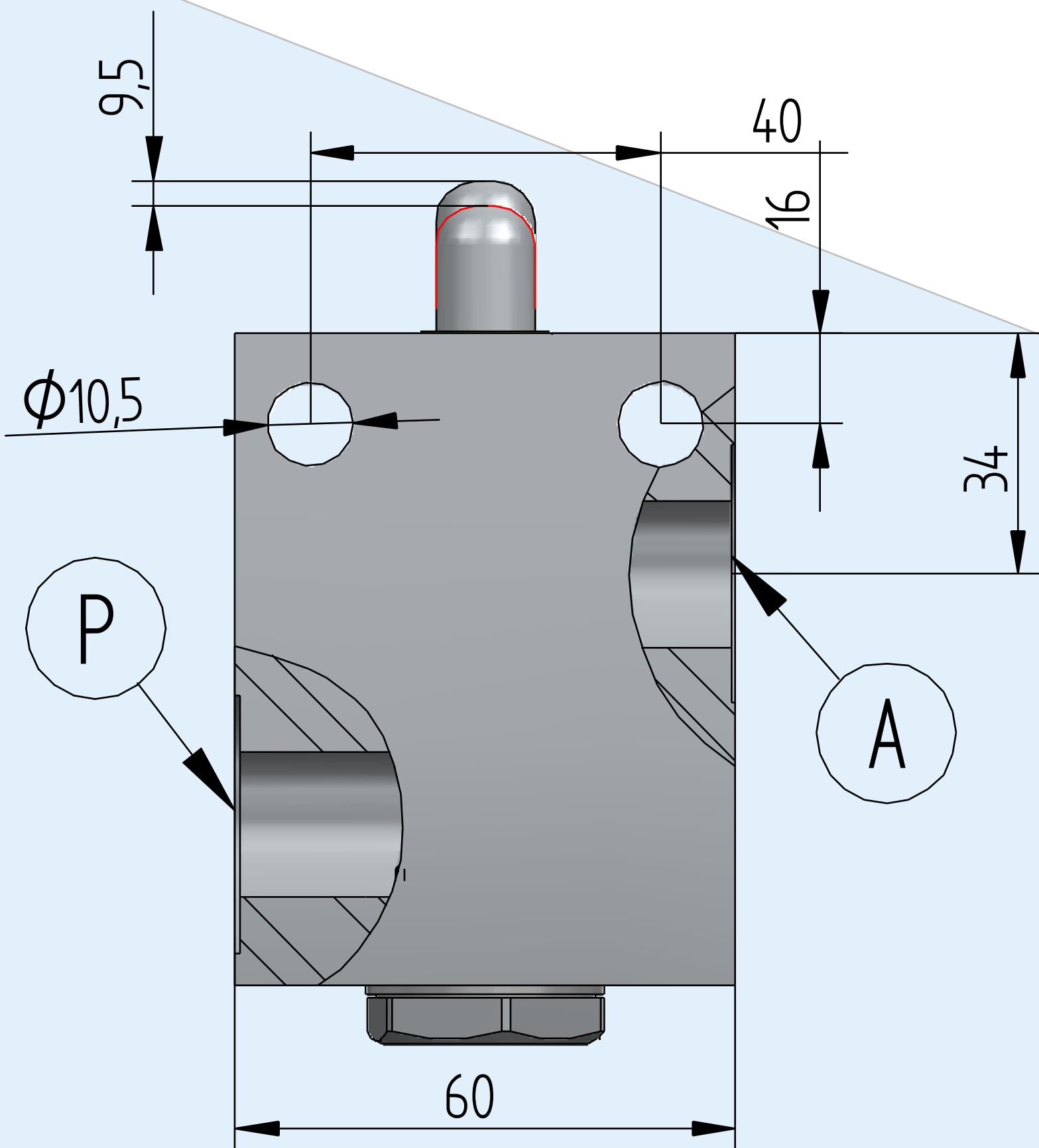
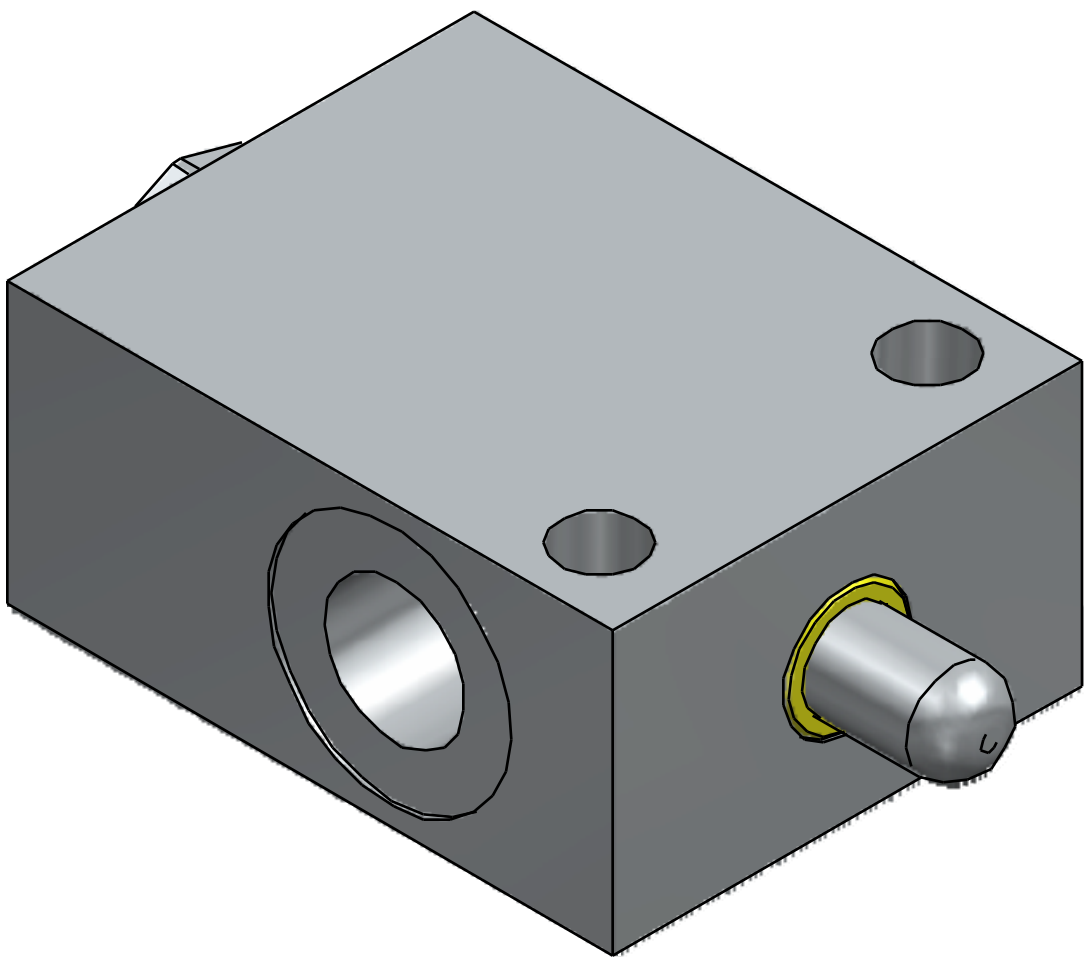
Option 2

TNA	Cursore centro aperto Open centre cursor	Direzione del flusso - Flow direction da P a A - from P to A
TNC	Cursore centro chiuso Closed centre cursor	Direzione del flusso - Flow direction da A a P e da P a A - from P to A and from A to P
TNAI	Cursore centro aperto Open centre cursor	Direzione del flusso - Flow direction da A a P - from A to P

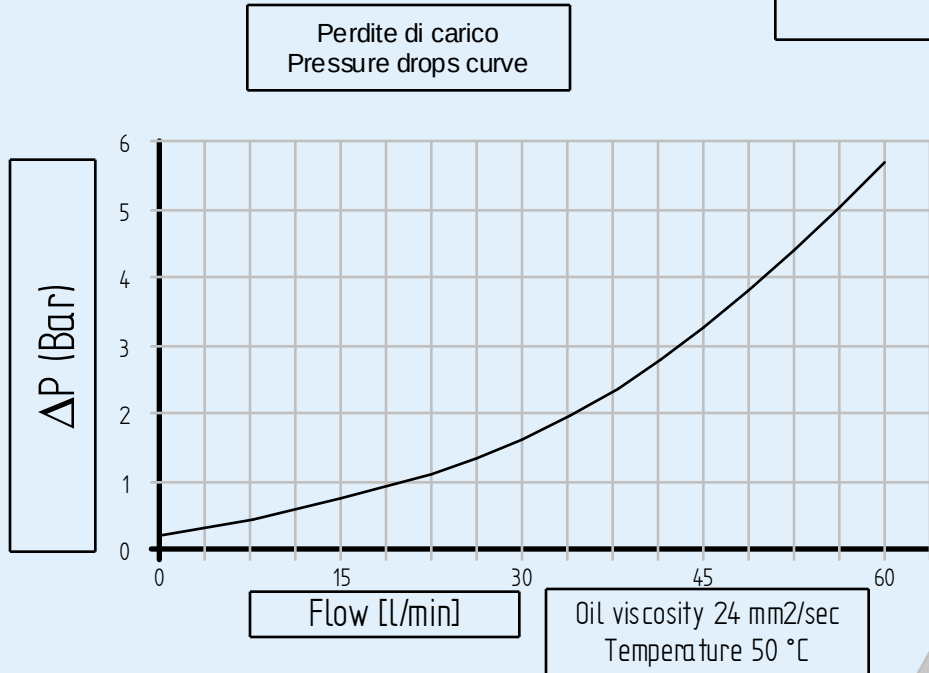
Perdite di carico
Pressure drops curve



Descrizione / Codice Description / Code	VFCM 1/4	VFCM 3/8	VFCM 1/2	VFCM M20X1,5
Pressione massima - Max pressure Bar	350	350	350	350
Portata - Flow Lt/min	40	40	60	60
Peso - Weight Kg	1,25	1,00	0,98	0,98
A - P	1/4 GAS	3/8 GAS	1/2 GAS	M20X1,5
Corsa massima - Max stroke	9,5 mm	9,5 mm	9,5 mm	9,5 mm



Codice di ordinazione Ordering code	
VFCM	Option 1
	1/4
	3/8
	1/2
M20X1,5	
Option 1	
Thread A-P	
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas
M20x1,5	Filetto M20X1,5 - Thread M20x1,5



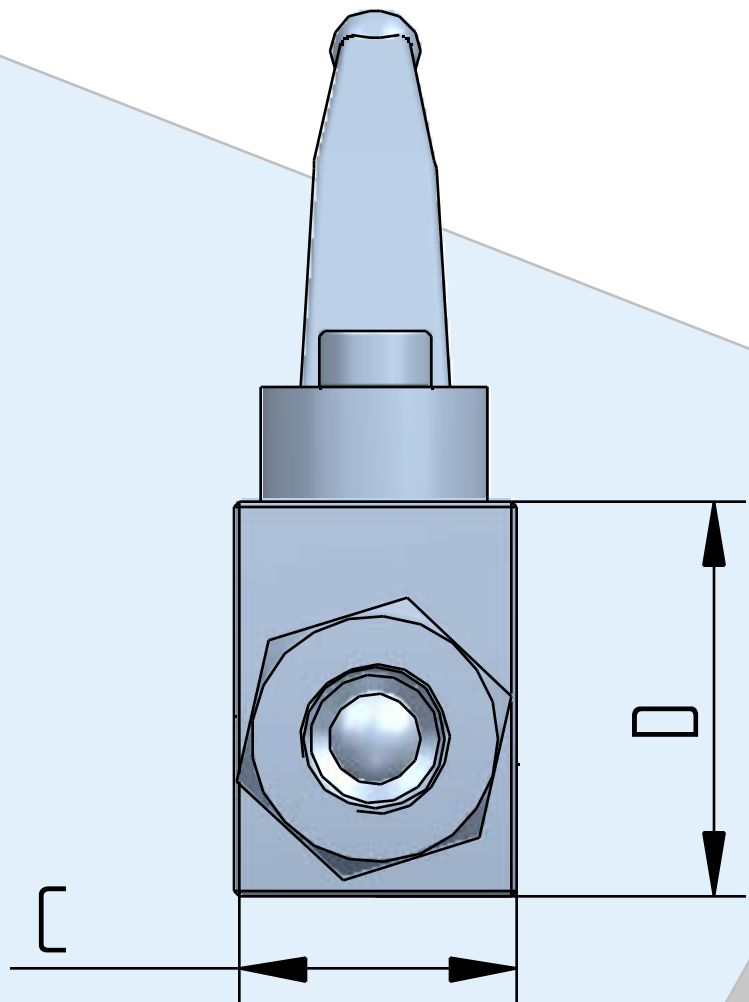
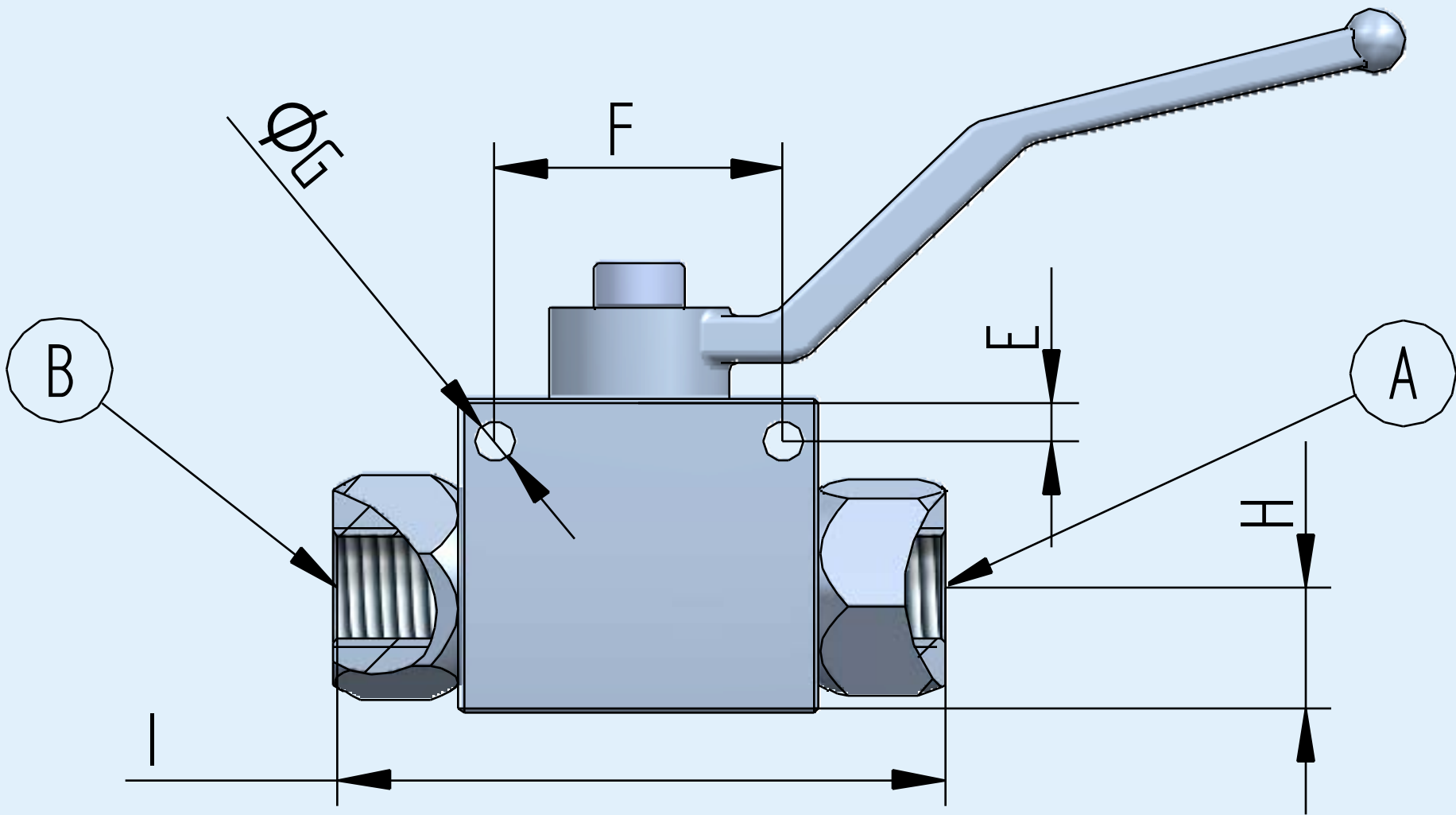
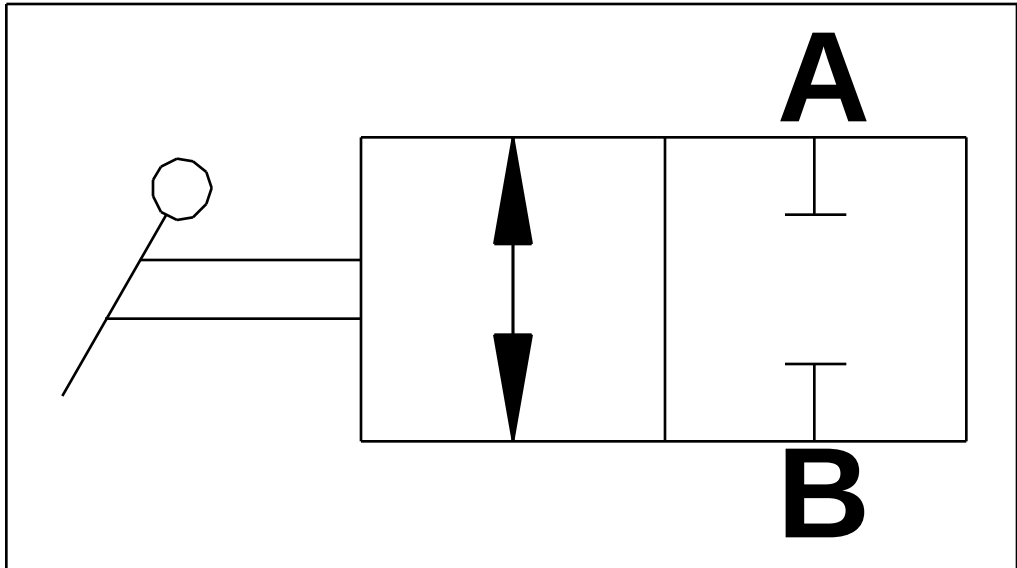
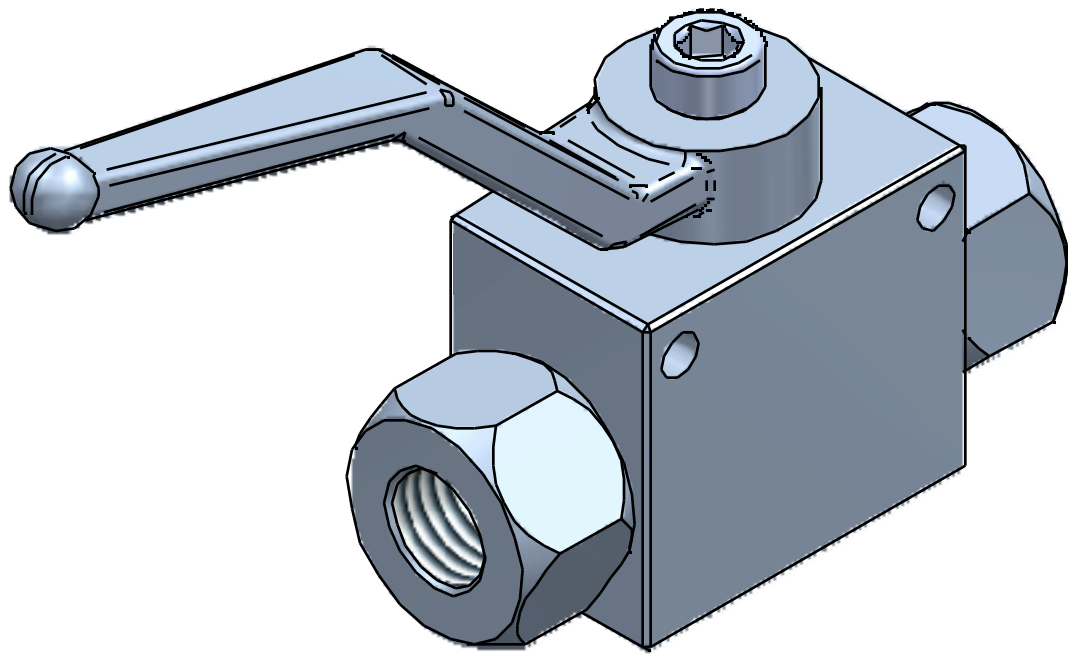
VH2V

Steel body

Rubinetto a sfera a 2 vie per alta pressione
2 ways high pressure ball valve



Descrizione / Codice Description / Code	VH 2V -G1/4	VH 2V -G3/8	VH 2V -G1/2	VH 2V -G3/4	VH 2V -G1
Pressione massima - Max pressure Bar	500	500	500	315	315
Portata - Flow Lt/min	15	30	60	80	125
Peso - Weight Kg	0,40	0,50	0,70	1,5	2,1
DIN	6	10	13	20	25
A	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS
C	26	32	35	50	57
D	35	40	45	58	65
E	4,8	5,8	6	6	7
F	32	32	39	49	51
G	4,5	5,3	6,5	6,5	8,5
H	14	16	18	23	28
I	69	72	83	93	115



Codice di ordinazione - Ordering code

VH2V-	Option 1	G1/4
		G3/8
		G1/2
		G3/4
		G1

Option 1	
Thread A-B	
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas
G1	Filetto 1" Gas - Thread 1" Gas

Dati tecnici indicativi e non impegnativi.
L'azienda si riserva di apportare modifiche in qualsiasi momento e senza preavviso.
Technical data not binding. Modifications reserved without prior notice.



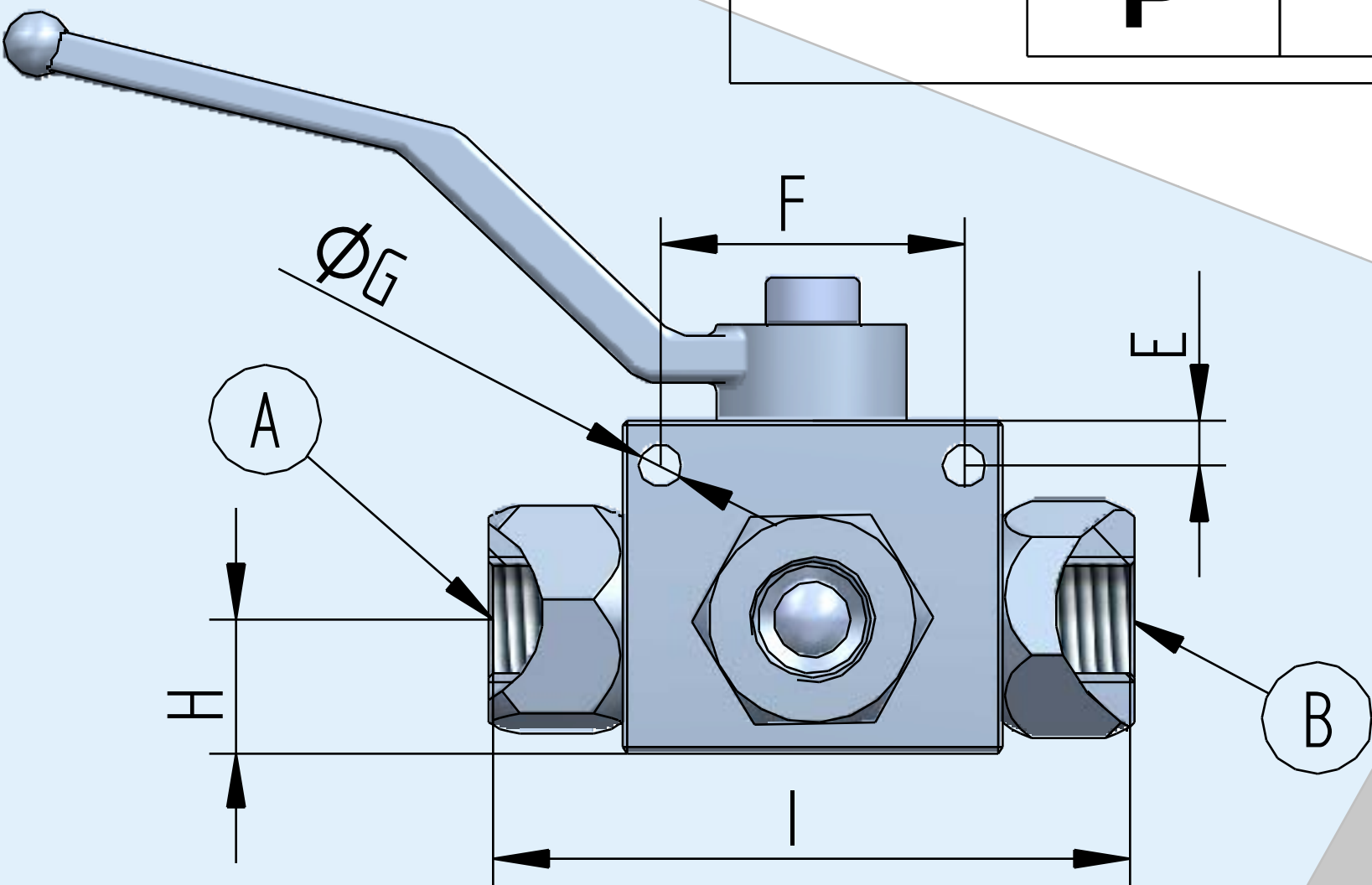
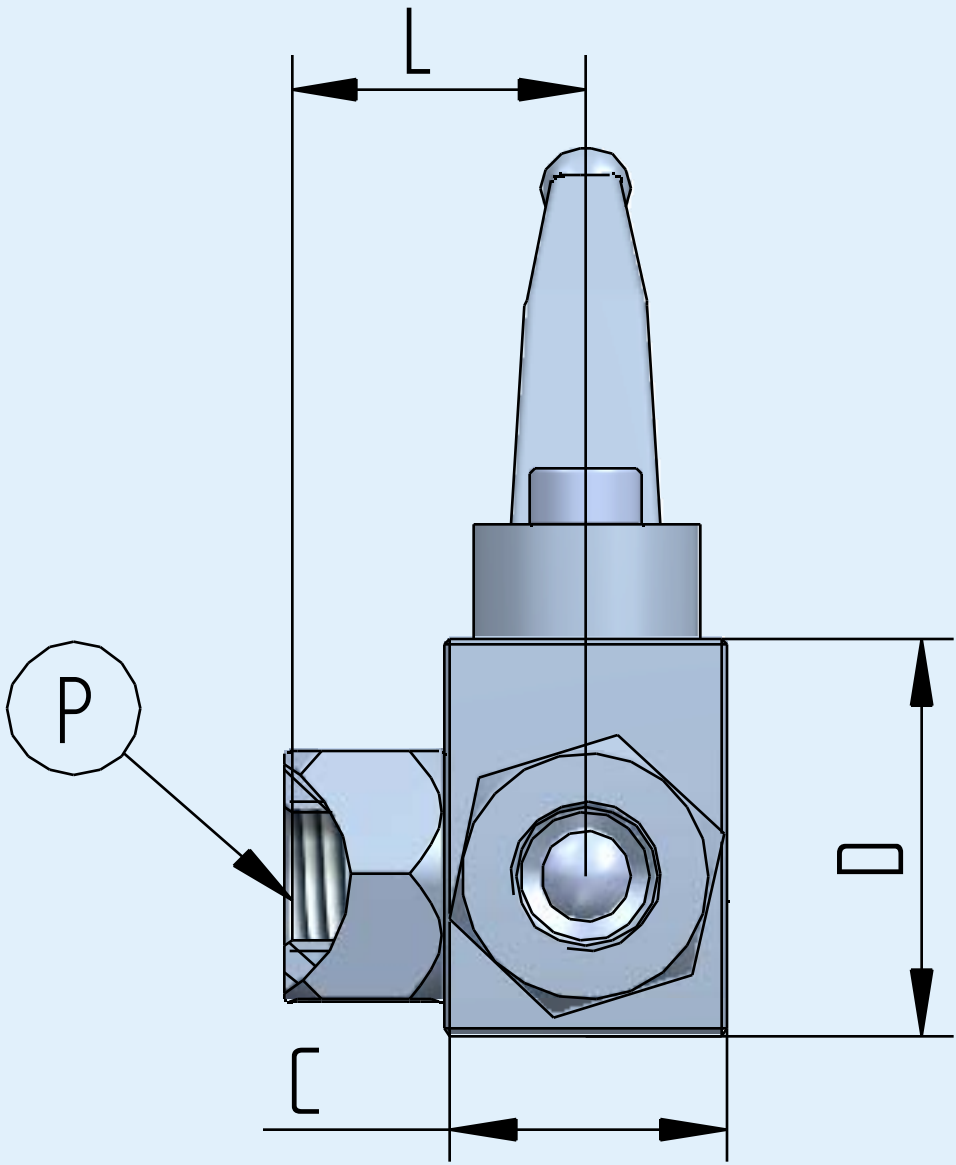
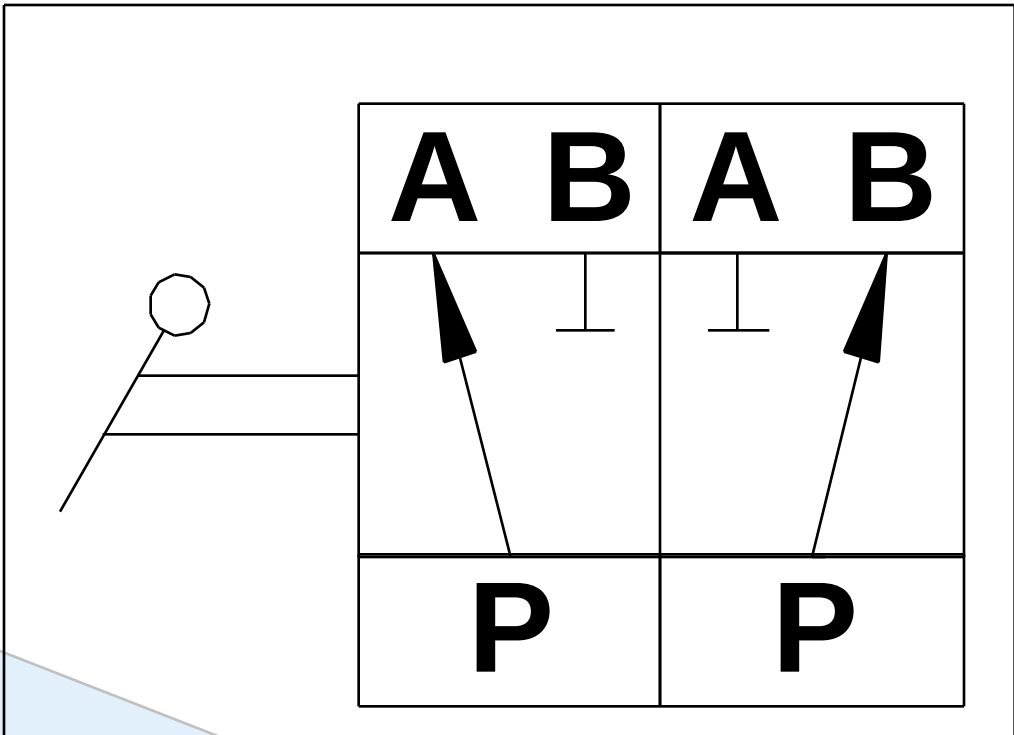
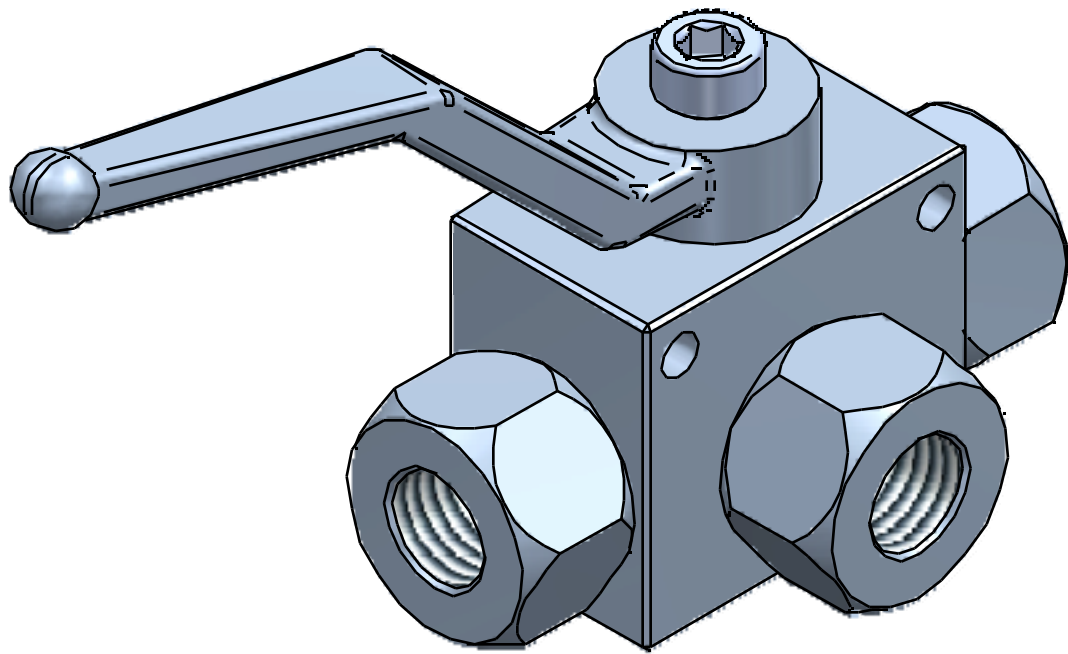
VH3V

Steel body

Rubinetto a sfera a 3 vie per alta pressione
3 ways high pressure ball valve



Descrizione / Codice Description / Code	VH3V -G1/4	VH3V -G3/8	VH3V -G1/2	VH3V -G3/4	VH3V -G1
Pressione massima - Max pressure Bar	500	500	500	315	315
Portata - Flow Lt/min	15	30	60	80	125
Peso - Weight Kg	0,41	0,55	0,75	1,6	2,3
DIN	6	10	13	20	25
A - B - P	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS
C	26	32	35	50	57
D	35	40	45	58	65
E	4,8	5,8	6	6	7
F	32	32	39	49	51
G	4,5	5,3	6,5	6,5	8,5
H	14	16	18	23	28
I	69	72	83	93	115
L	26	31	35	44	54



Codice di ordinazione - Ordering code

VH3V-

Option 1	G1/4
	G3/8
	G1/2
	G3/4
	G1

Option 1	
Thread A-B	
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas
G1	Filetto 1" Gas - Thread 1" Gas

Direzione flusso:
da P a A o B

Flow direction:
from P to A or B

Dati tecnici indicativi e non impegnativi.
L'azienda si riserva di apportare modifiche in qualsiasi momento e senza preavviso.
Technical data not binding. Modifications reserved without prior notice.



VBPSE

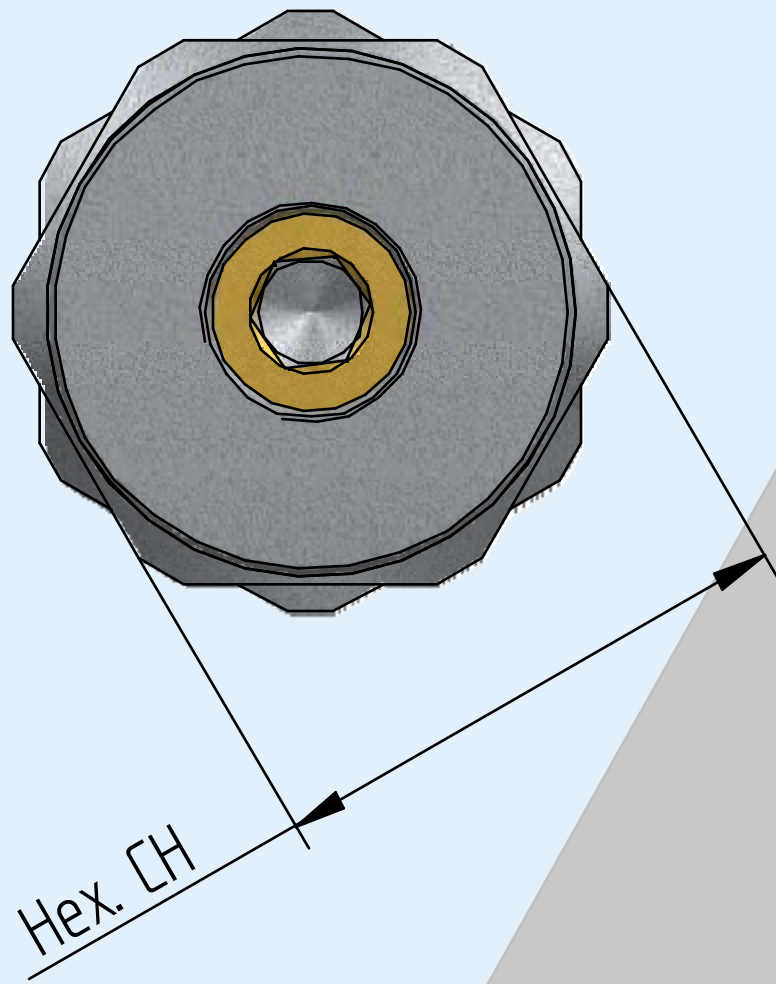
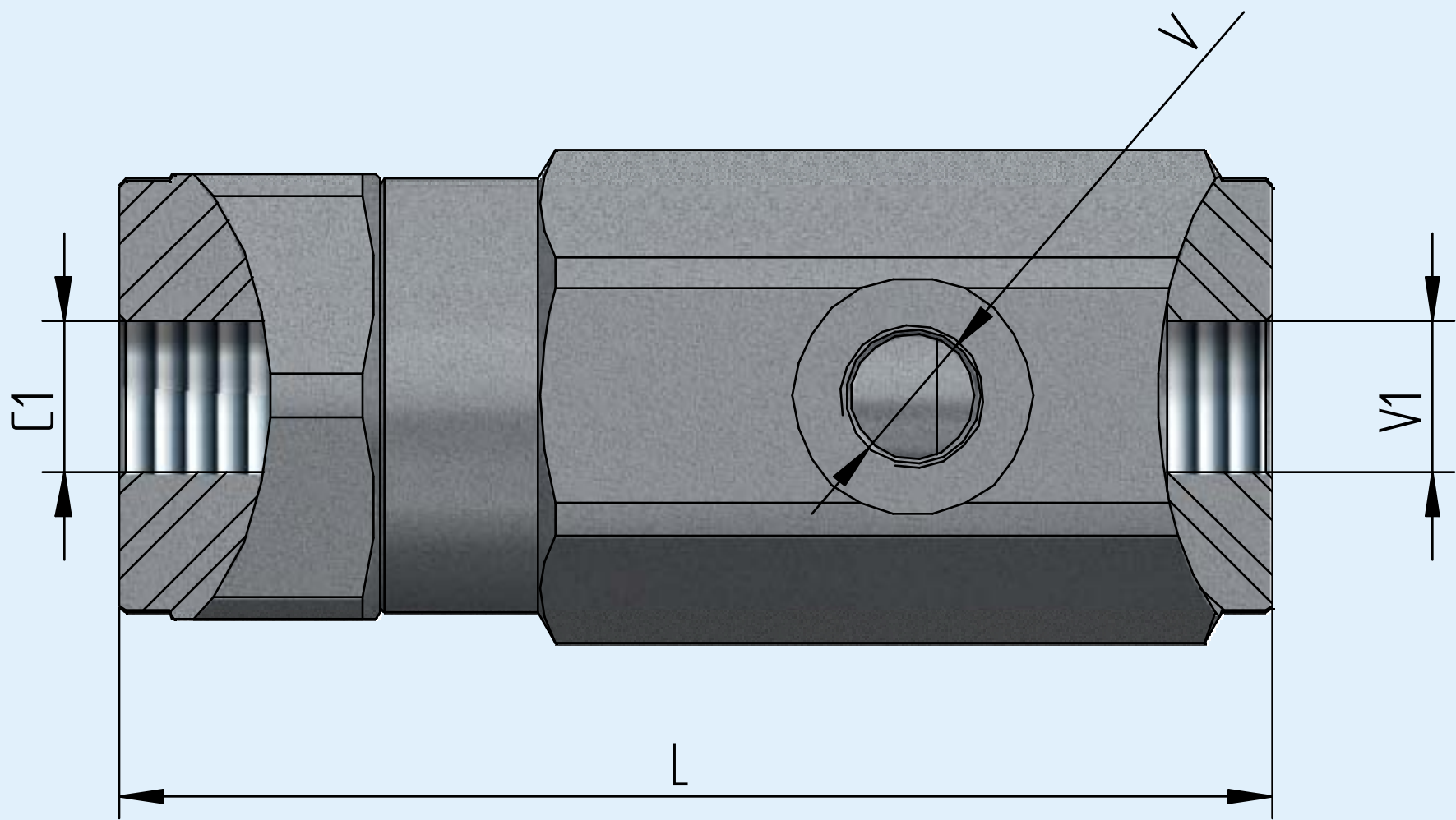
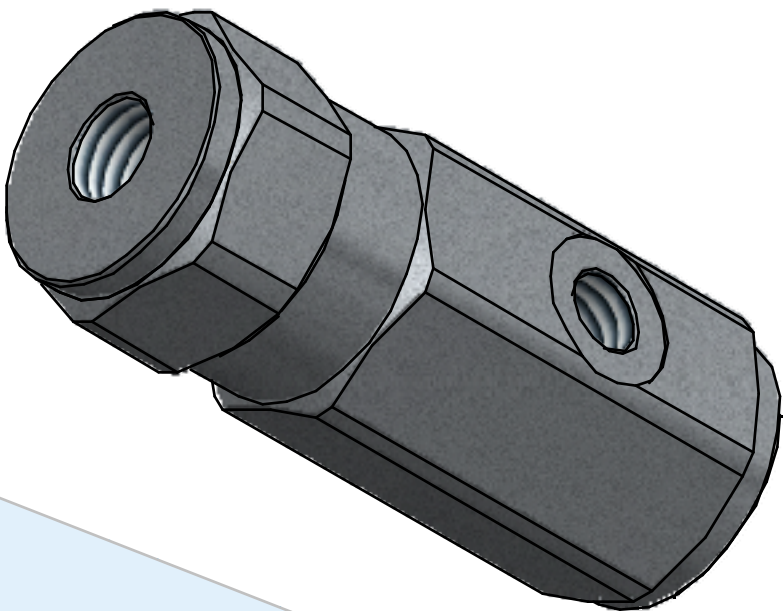
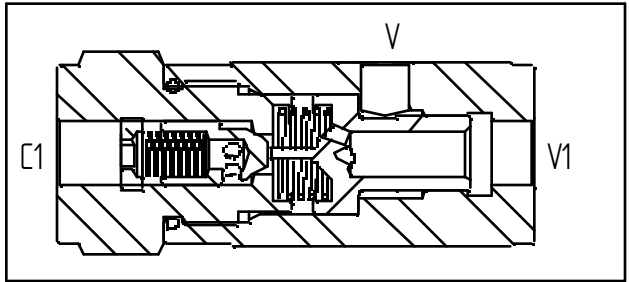
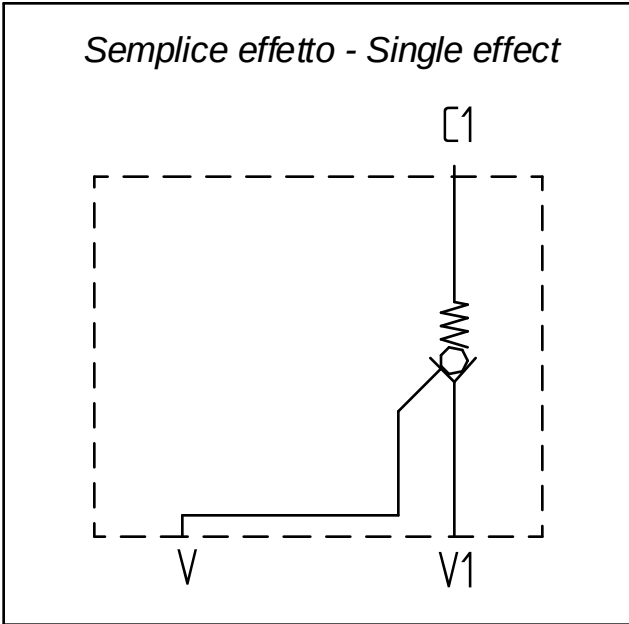
Steel body

Valvola di blocco pilotata semplice effetto in linea

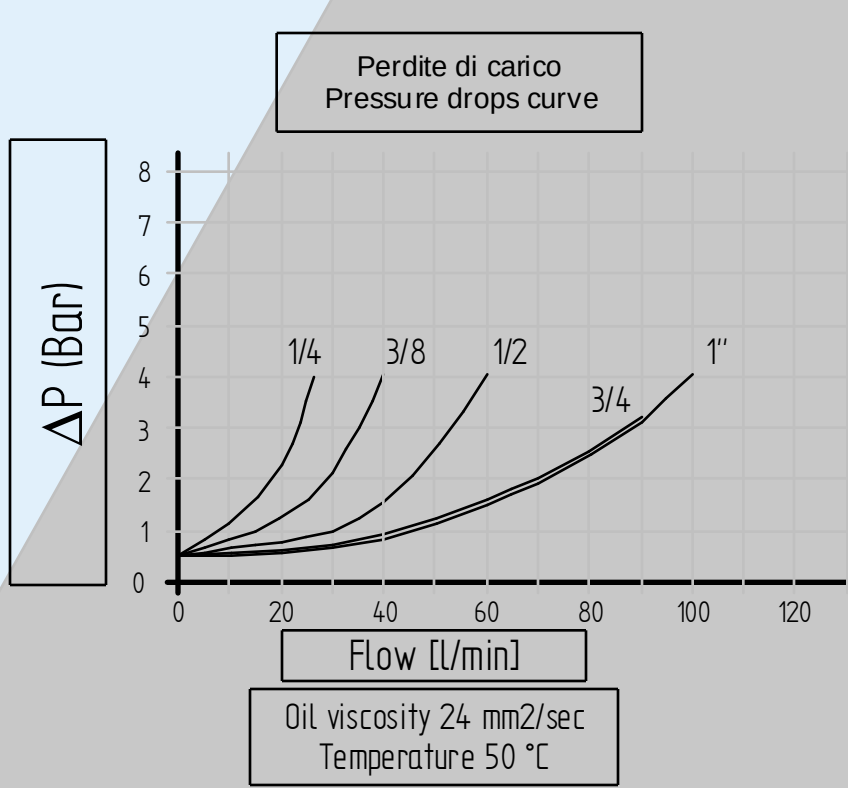
Pilot operated check valve single effect on line



Descrizione Description	VBPSE -G1/4	VBPSE -G3/8	VBPSE -G1/2	VBPSE -G3/4	VBPSE -G1"
Pressione massima - Max pressure Bar	350	300	300	250	250
Portata - Flow Lt/min	25	40	60	90	100
Peso - Weight Kg	0,75	1	1,1	2	3,6
V1 - C1	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS
V (Max 12 mm)	1/4 GAS	1/4 GAS	1/4 GAS	1/4 GAS	1/4 GAS
L	103	109	122	131	155
Hex. CH	36	40	42	55	55
Pressione apertura Opening pressure Bar	1	1	1	1	1
Rapporto pilotaggio - Pilot ratio	1:8,5	1:6	1:4,5	1:4,5	1:4
Materiale corpo - Body material	Acciaio galvanizzato - Galvanized steel				



Codice di ordinazione Ordering code			Option 1		Option 2	
VBP	Option 1 SE	-	Option 2	SE	Valvola di blocco a singolo effetto Check valve single acting	Thread V1 - C1
				G1/4	Filetto 1/4 Gas Thread 1/4 Gas	
				G3/8	Filetto 3/8 Gas Thread 3/8 Gas	
				G1/2	Filetto 1/2 Gas Thread 1/2 Gas	
				G3/4	Filetto 3/4 Gas Thread 3/4 Gas	
				G1	Filetto 1" Gas Thread 1" Gas	



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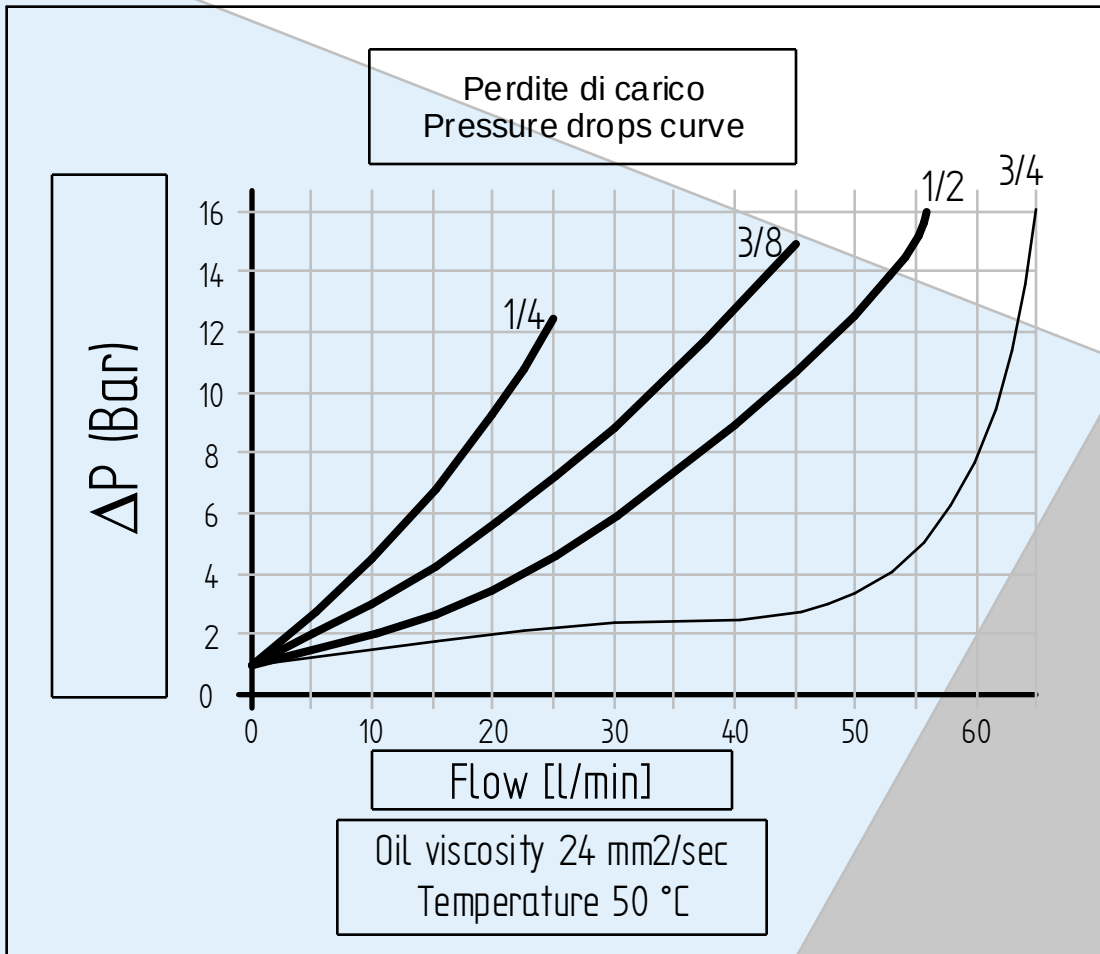
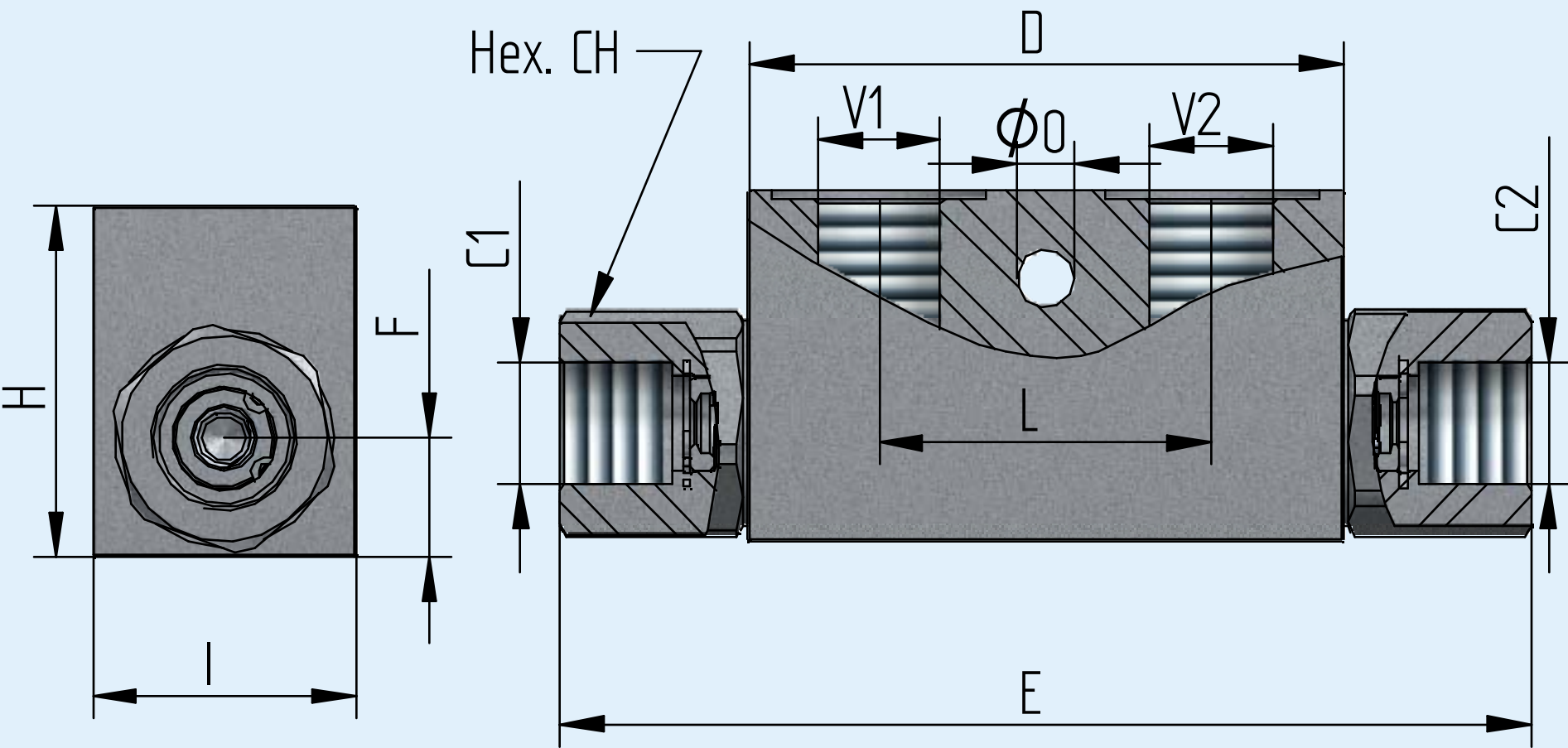
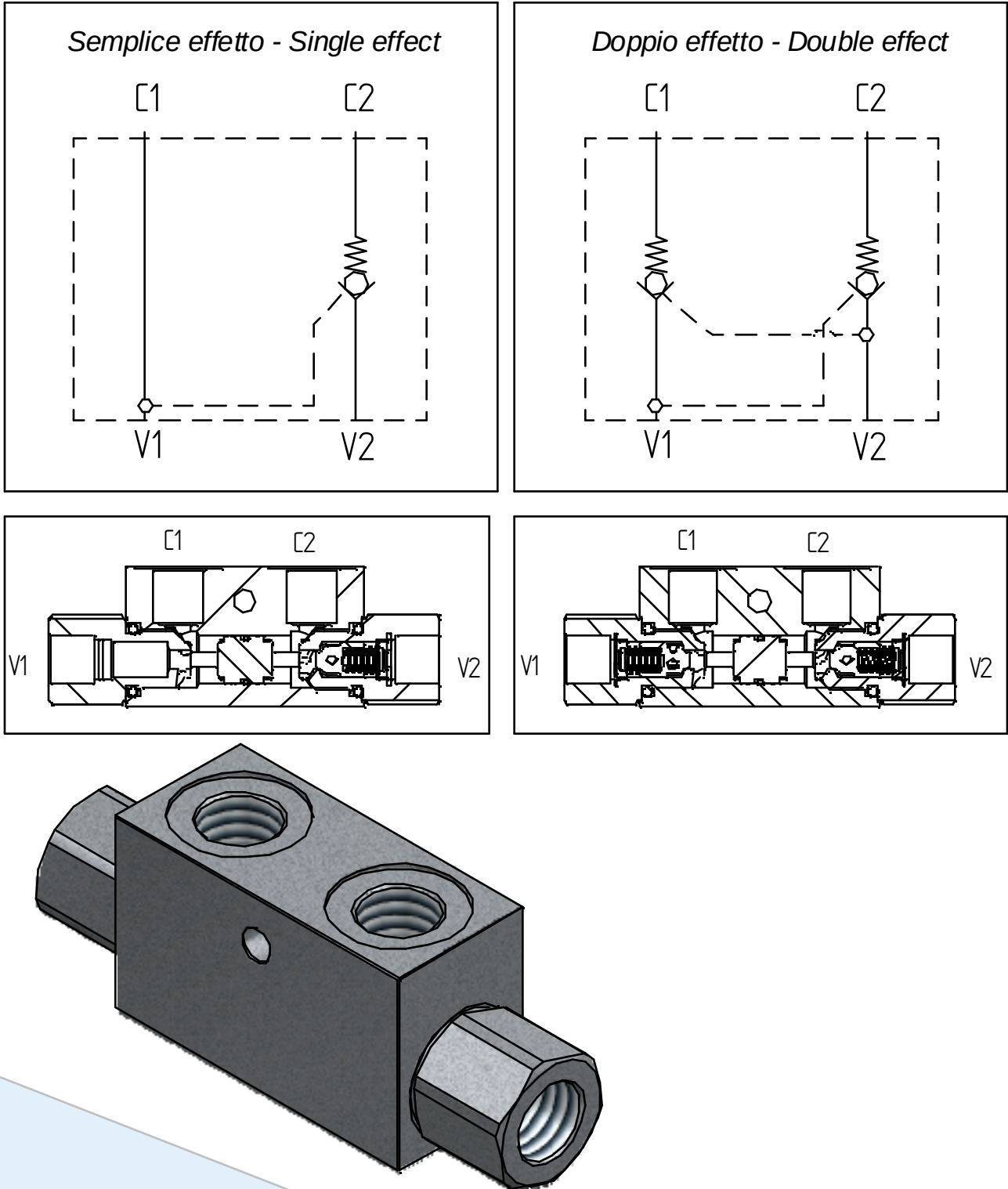


VBSE~VBDE Valvola di blocco pilotata

Steel body Pilot operated check valve



Descrizione Description	VB -G1/4	VB -G3/8	VB -G1/2	VB -G3/4
Pressione massima - Max pressure Bar	350	350	300	210
Portata - Flow Lt/min	30	30	50	70
Peso - Weight Kg	0,65	0,65	1,06	1,9
V1 - V2	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS
C1 - C2	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS
D	64	64	80	100
E	107	107	158	192
F	13,5	13,5	18	21
H	40	40	50	60
I	30	30	30	40
L	36	36	40	50
Hex. CH	24	24	30	36
O	Ø 5,5	Ø 7	Ø 6,5	Ø 8,5
Rapporto pilotaggio - Pilot ratio	1:4	1:4	1:3	1:3,5
Materiale corpo - Body material	Acciaio galvanizzato - Galvanized steel			



Codice di ordinazione Ordering code

VB	Option 1 SE DE	-	Option 2 G1/4 G3/8 G1/2 G3/4	Option 3 M N	Option 4 X	- S Solamente per G1/4 e G3/8. Only for G1/4 and G3/8.
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Nel caso non si indicasse l'Opzione3 e/o l'Opzione4, sarà fornita in configurazione standard.

If Option3 and/or Option4 are not indicated, standard configuration will be considered.

Option 1	
SE	Valvola di blocco a singolo effetto Check valve single acting
DE	Valvola di blocco a doppio effetto Check valve double acting

Option 2	
Thread V1 - V2	
G1/4	Filetto 1/4 Gas Thread 1/4 Gas
G3/8	Filetto 3/8 Gas Thread 3/8 Gas
G1/2	Filetto 1/2 Gas Thread 1/2 Gas
G3/4	Filetto 3/4 Gas Thread 3/4 Gas

Option 3	
*= standard	
M (*)	O-Ring su pistone pilota With seal on pilot piston
N	Senza O-Ring su pistone pilota Without seal on pilot piston

Option 4	*= standard
X (*)	Pressione di apertura Cracking pressure 3 Bar

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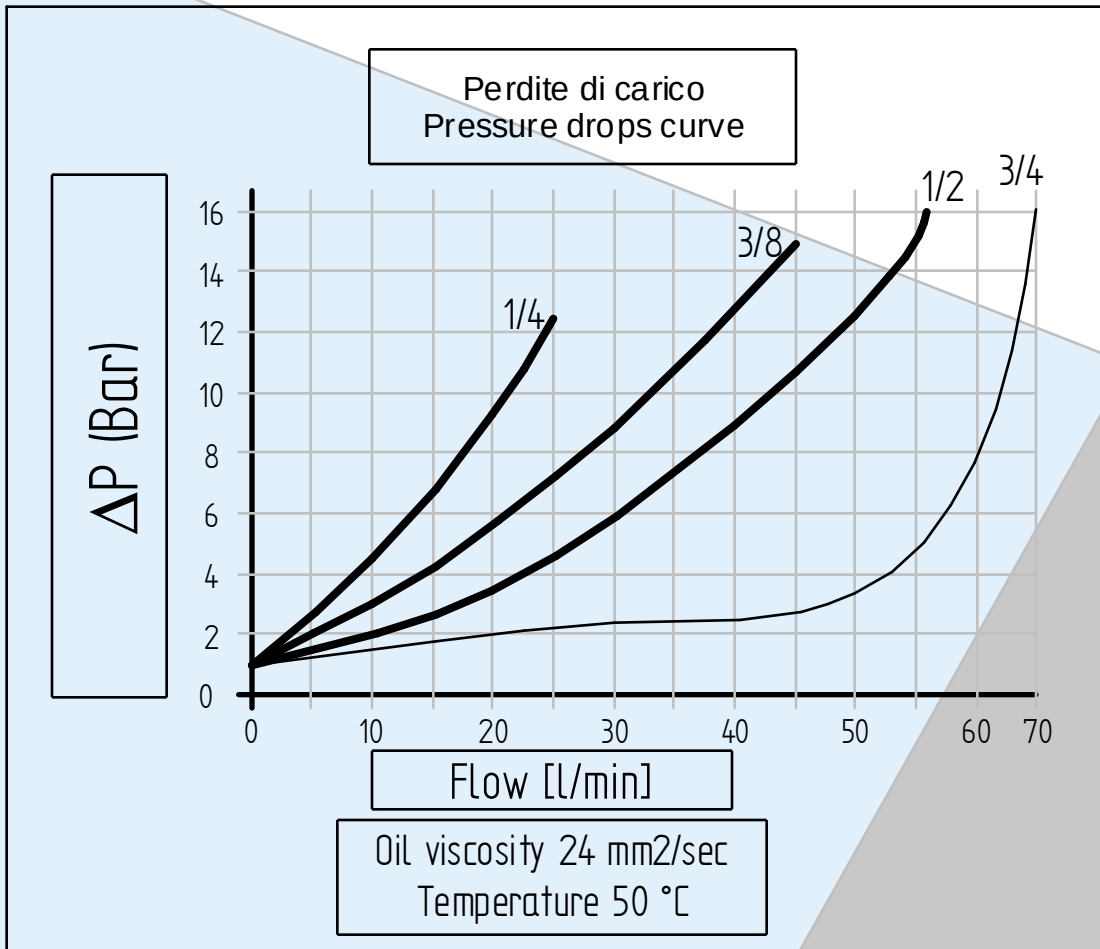
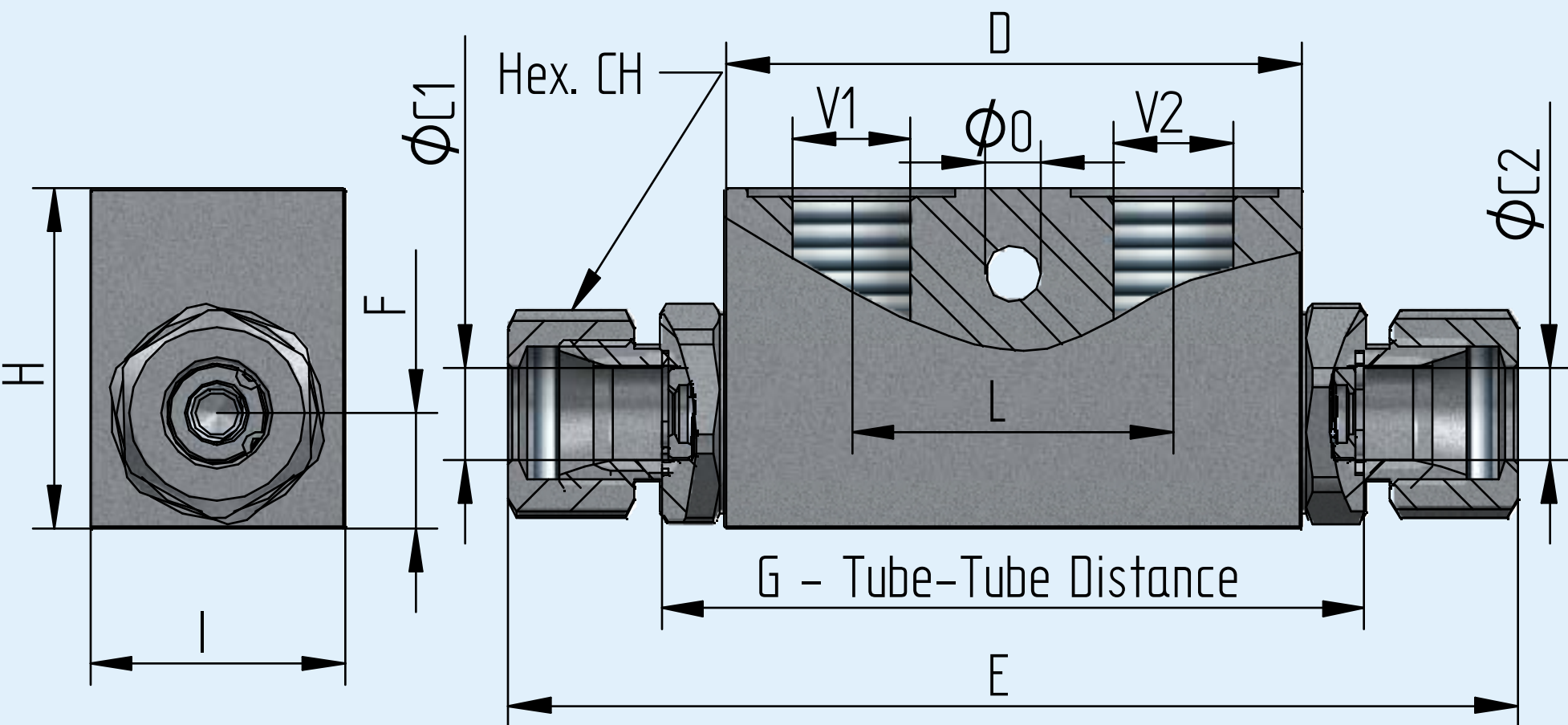
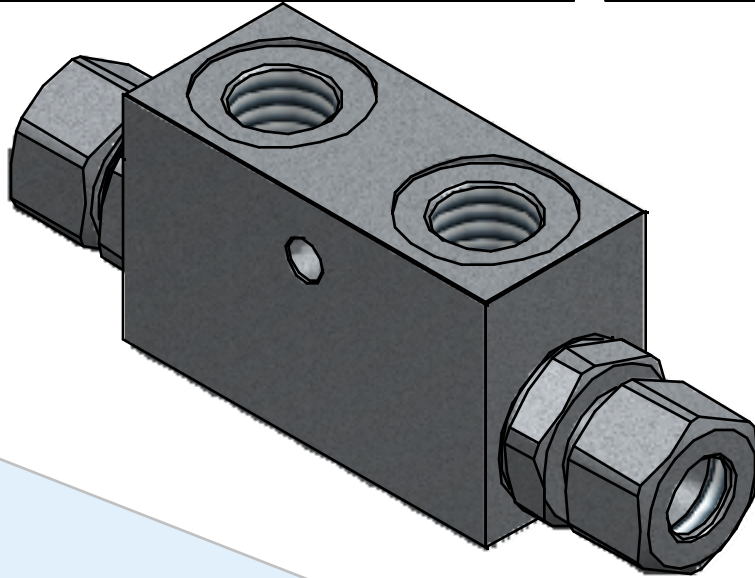
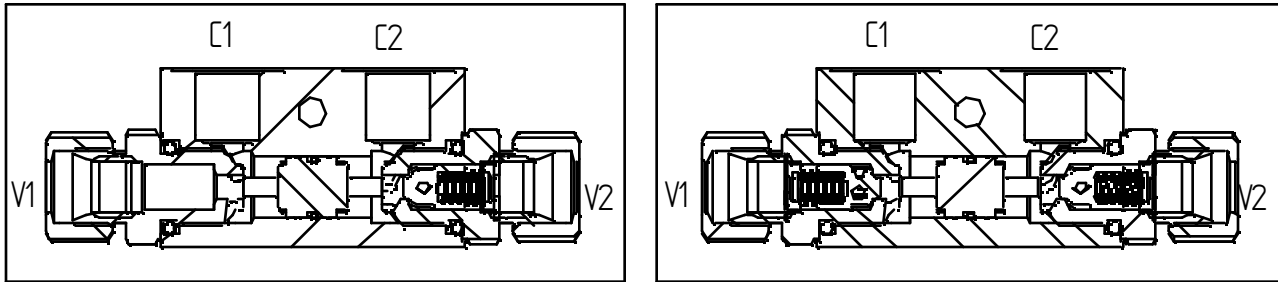
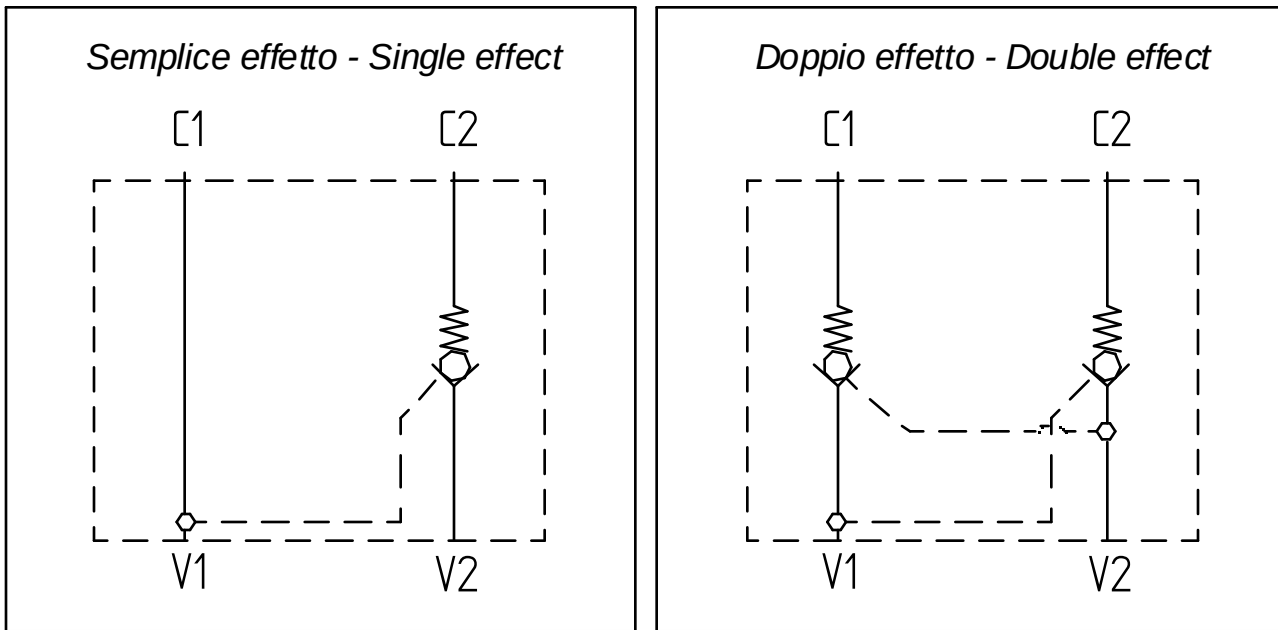
VBSD~VBDD Valvola di blocco pilotata

Pilot operated check valve

Steel body



Descrizione Description	VB -G1/4	VB -G3/8	VB -G1/2	VB -G3/4
Pressione massima - Max pressure Bar	350	350	300	210
Portata - Flow Lt/min	30	30	50	70
Peso - Weight Kg	0,65	0,65	1,06	1,99
V1 - V2	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS
C1 - C2	Ø 12	Ø 12	Ø 15	Ø 25
D	65	65	80	100
E	129	129	162,5	205
F	13,5	13,5	18	21
G	84	84	111	163
H	40	40	50	60
I	30	30	30	40
L	36	36	40	50
Hex. CH	22	22	27	46
O	Ø 5,5	Ø 7	Ø 6,5	Ø 8,5
Rapporto pilotaggio - Pilot ratio	1:4,6	1:4,6	1:3	1:3,5
Materiale corpo - Body material	Acciaio galvanizzato - Galvanized steel			



Codice di ordinazione Ordering code

VB	Option 1 SD DD	-	Option 2 G1/4 G3/8 G1/2 G3/4	Option 3 M N	Option 4 X	- S Solamente per G1/4 e G3/8. Only for G1/4 and G3/8.
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Nel caso non si indicasse l'Opzione3 e/o l'Opzione4, sarà fornita in configurazione standard.

If Option3 and/or Option4 are not indicated, standard configuration will be considered.

Option 1	Option 2	Option 3	*= standard
SD Valvola di blocco a singolo effetto Check valve single acting	Thread V1 - V2 G1/4 Filetto 1/4 Gas Thread 1/4 Gas G3/8 Filetto 3/8 Gas Thread 3/8 Gas G1/2 Filetto 1/2 Gas Thread 1/2 Gas G3/4 Filetto 3/4 Gas Thread 3/4 Gas	M (*) N	O-Ring su pistone pilota With seal on pilot piston Senza O-Ring su pistone pilota Without seal on pilot piston

Option 4	*= standard
X (*)	Pressione di apertura Cracking pressure 1 Bar

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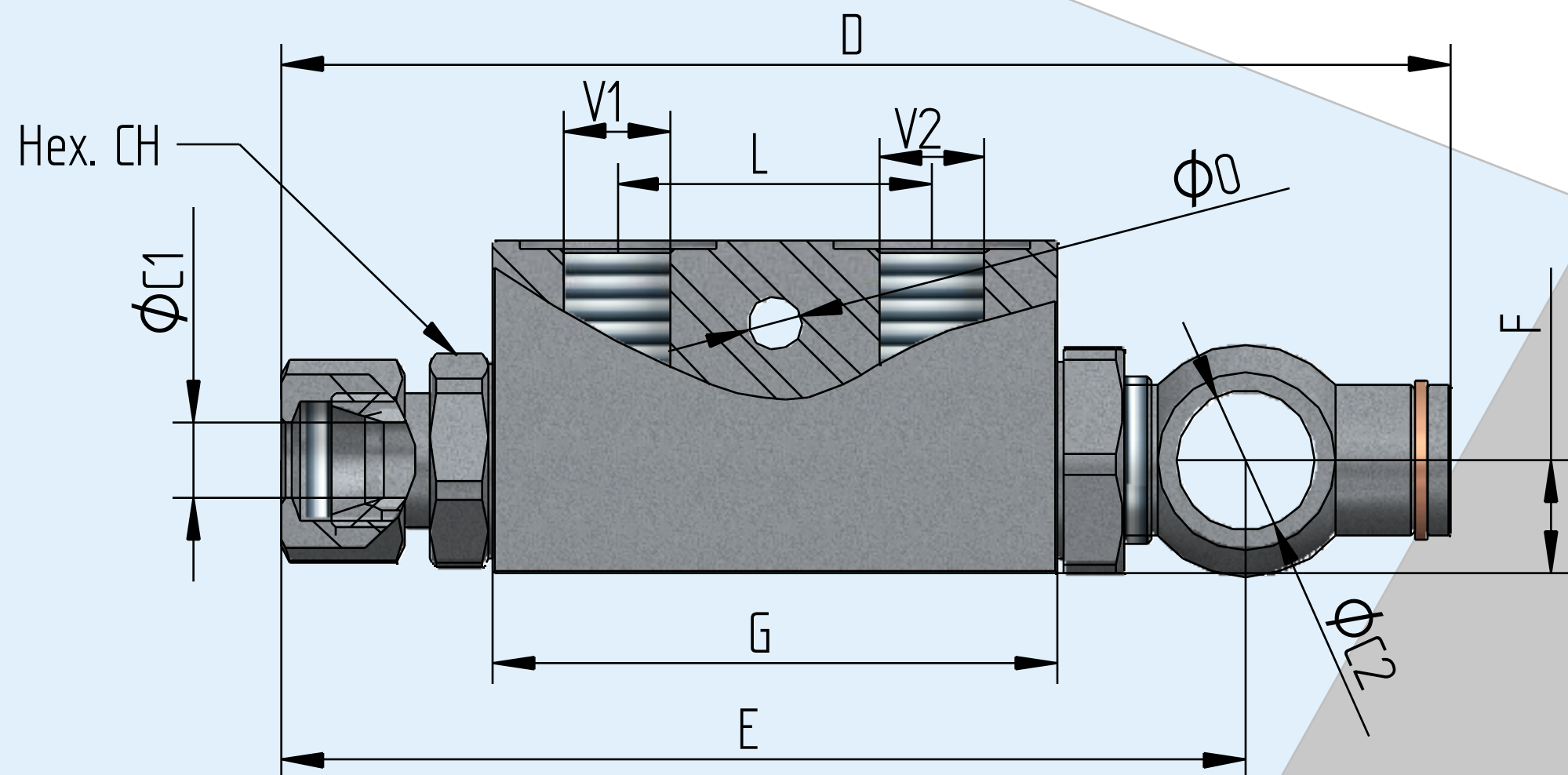
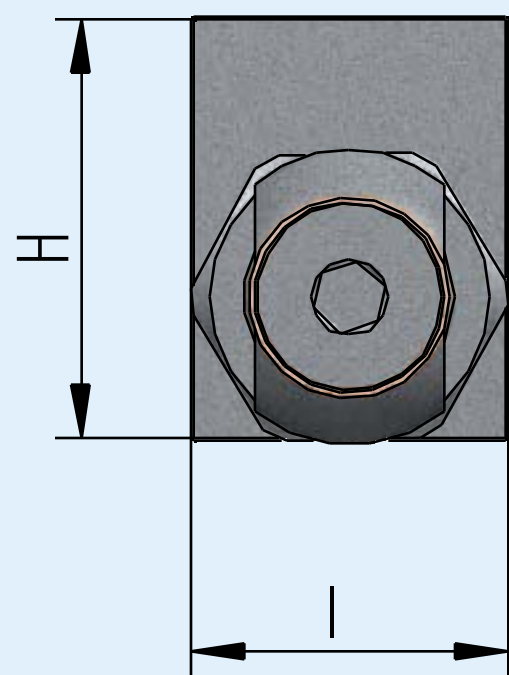
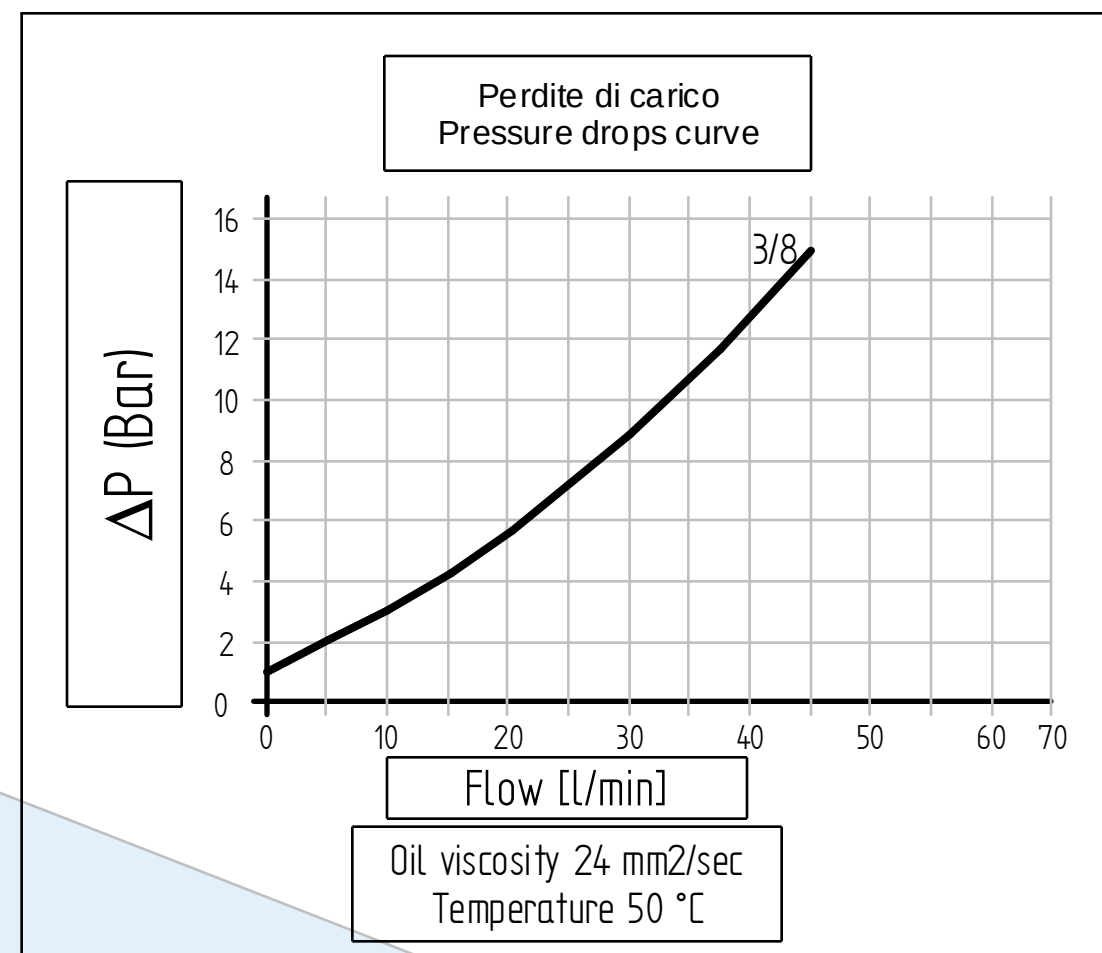
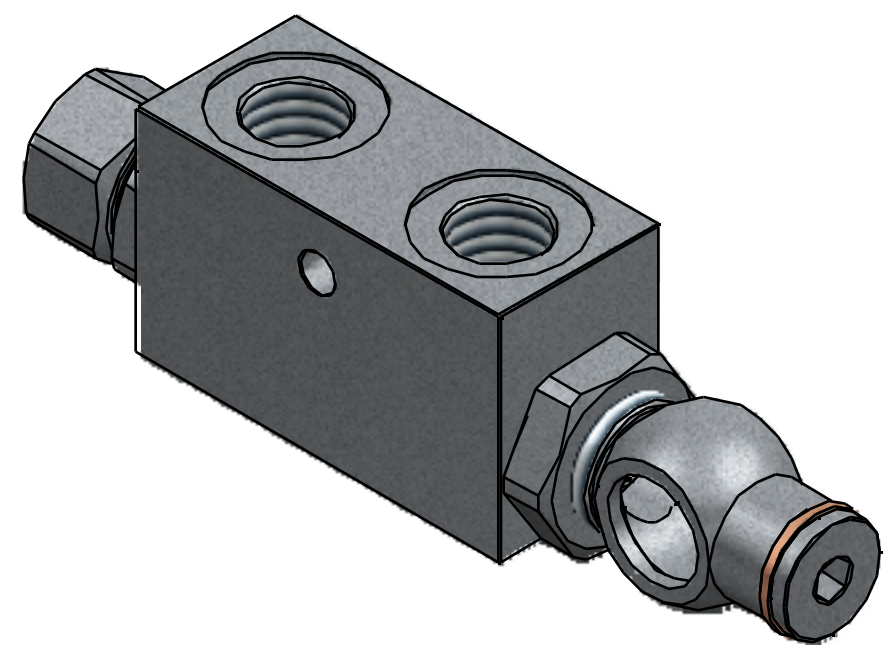
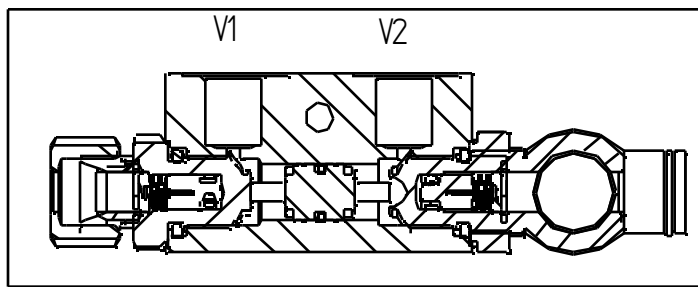
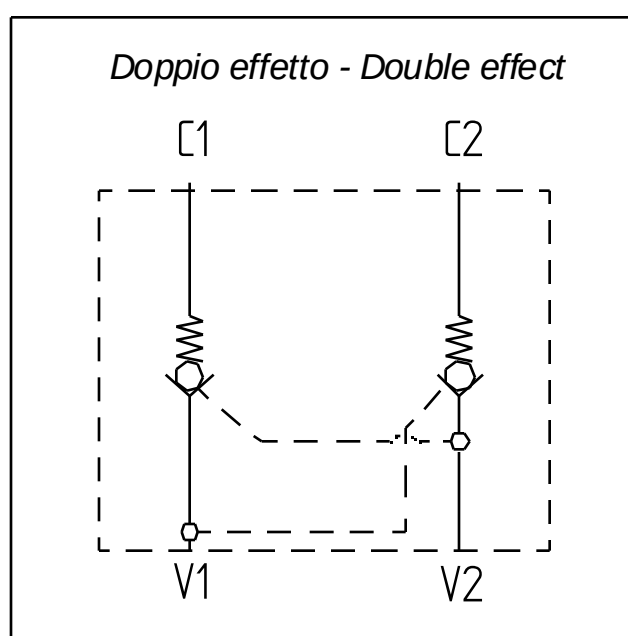
Ed. 2023

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Descrizione <i>Description</i>	VBDDO -G3/8
Pressione massima - Max pressure Bar	320
Portata - Flow Lt/min	35
Peso - Weight Kg	0,70
V1 - V2	3/8 GAS
C1	Ø 12
C2	Ø 16,8
D	147
E	116
F	13
G	67
H	40
I	30
L	35
Hex. CH	22
O (on request)	Ø 6,5
Rapporto pilotaggio - Pilot ratio	1:4
Materiale corpo - Body material	Acciaio

**Codice di ordinazione**
Ordering code

Option 2	M
	N

Option 1	
Thread V1 - V2	
G3/8	Filetto 3/8 Gas Thread 3/8 Gas

Option 2	*= standard
M (*)	O-Ring su pistone pilota With seal on pilot piston
N	Senza O-Ring su pistone pilota Without seal on pilot piston

Nel caso non si indicasse l'Opzione2 e/o l'Opzione3, sarà fornita in configurazione standard.

If Option2 and/or Option3 are not indicated, standard configuration will be considered.

Option 3	*= standard
X (*)	Pressione di apertura Cracking pressure 1 Bar

VBDEFL

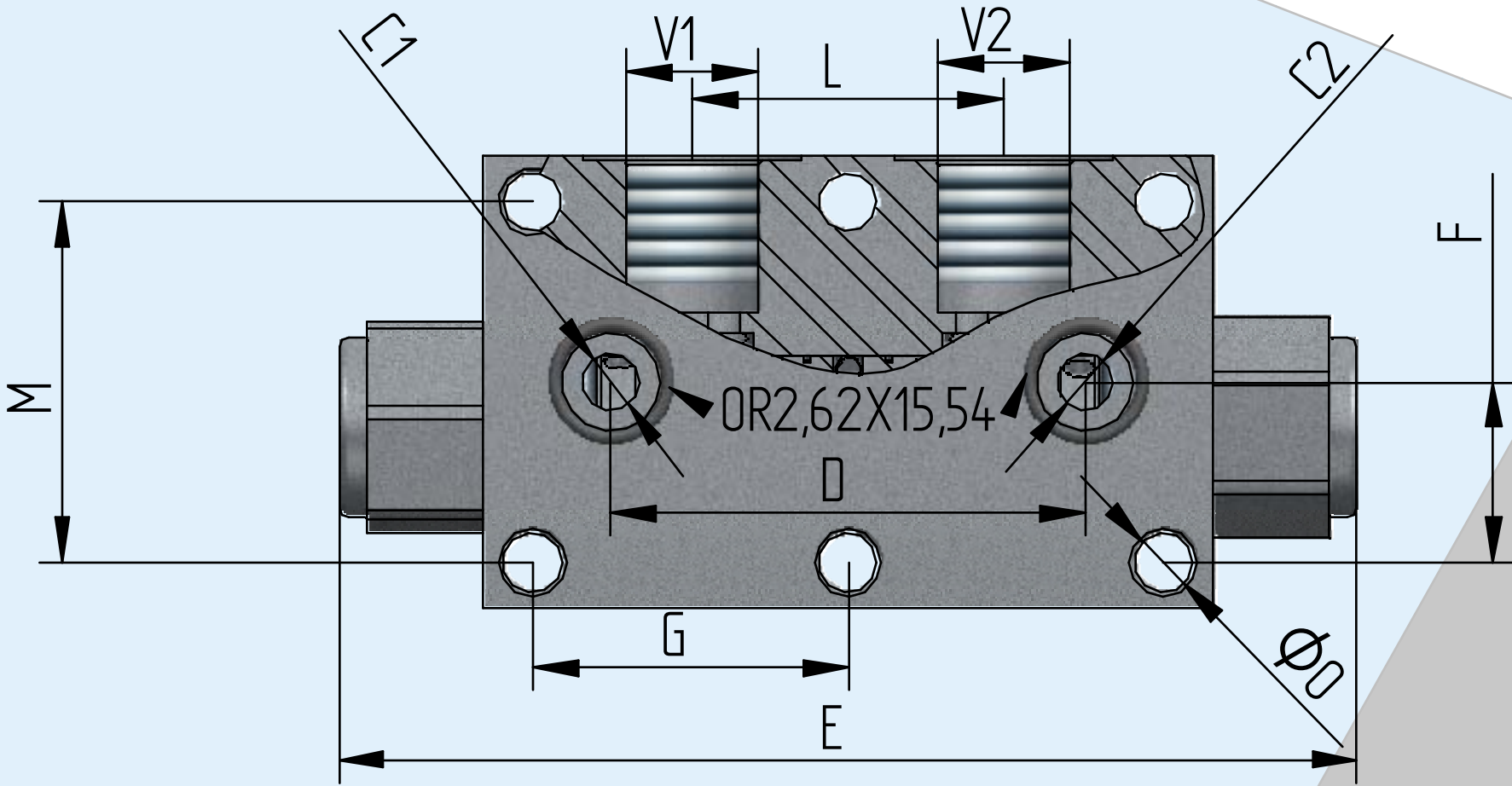
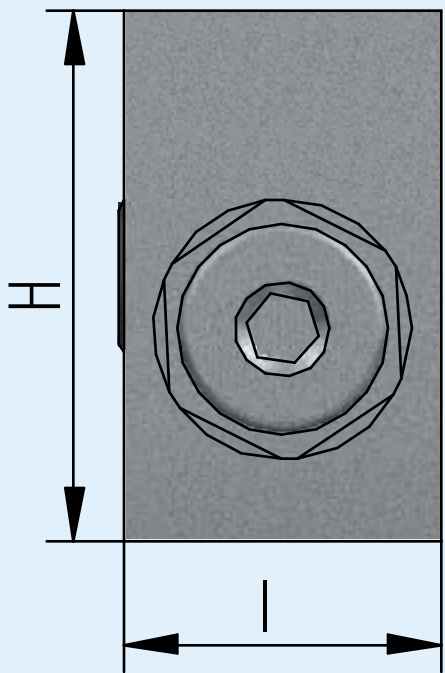
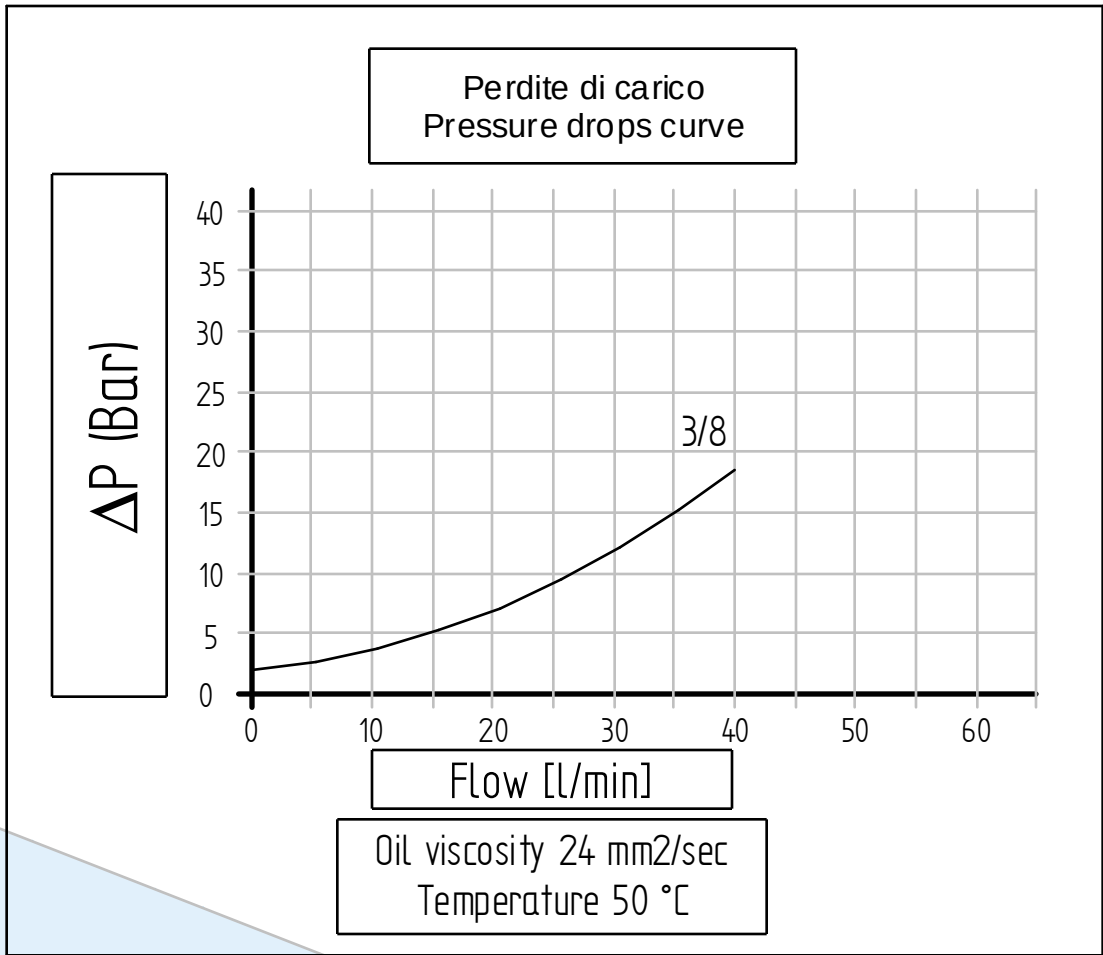
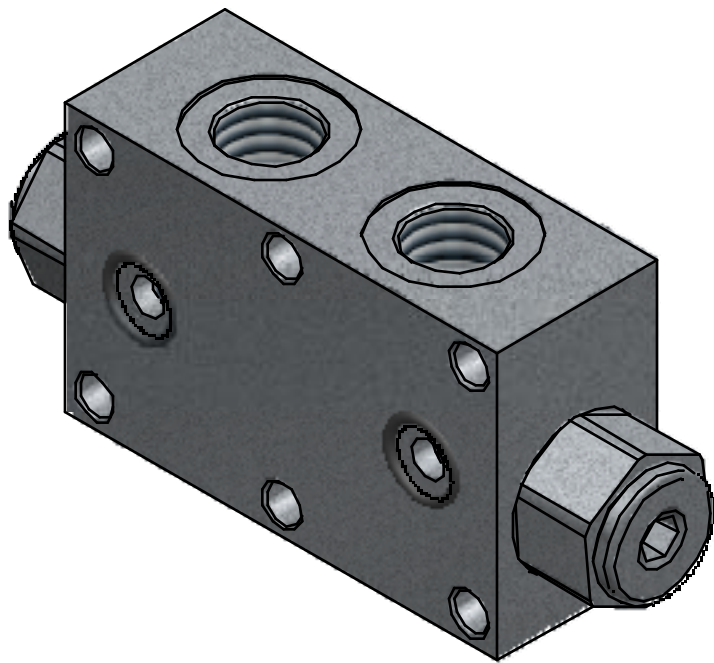
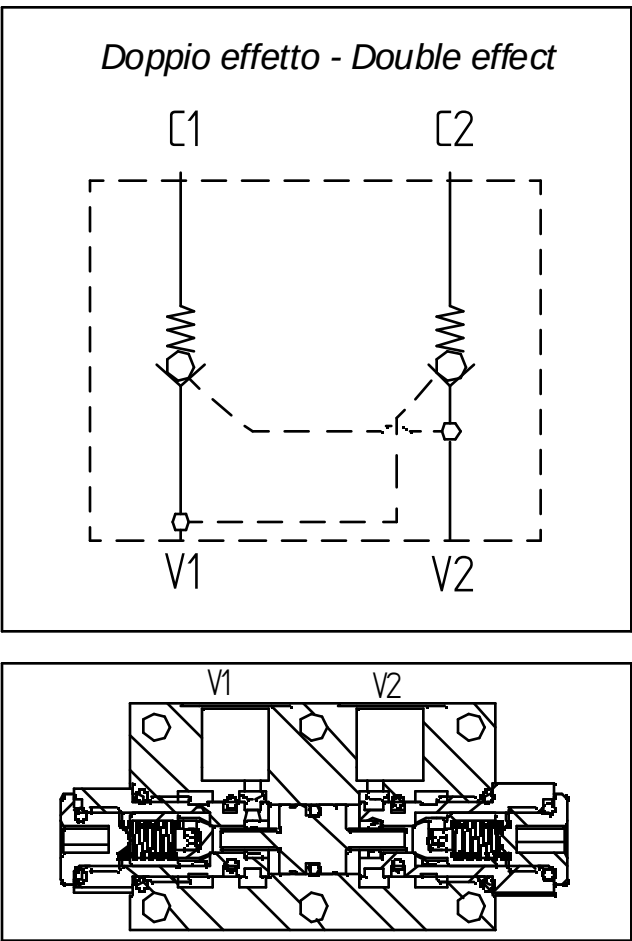
Steel body

Valvola di blocco pilotata flangiabile

Pilot operated check valve flangeable



Descrizione Description	VB -G3/8
Pressione massima - Max pressure	Bar 350
Portata - Flow	Lt/min 40
Peso - Weight	Kg 1,8
V1 - V2	3/8 GAS
C1 - C2	Ø 9
D	65
E	138
F	20
G	40
H	70
I	34
L	34
M	40
O	Ø 8,5
Rapporto pilotaggio - Pilot ratio	1:4
Materiale corpo - Body material	Acciaio galvanizzato - Galvanized steel



Codice di ordinazione
Ordering code

VBDEFL -	Option 1 G3/8	Option 2 M N	Option 3 X
----------	------------------	--------------------	---------------

Option 1
Thread V1 - V2
G3/8

Option 2	*= standard
M (*)	O-Ring su pistone pilota With seal on pilot piston
N	Senza O-Ring su pistone pilota Without seal on pilot piston

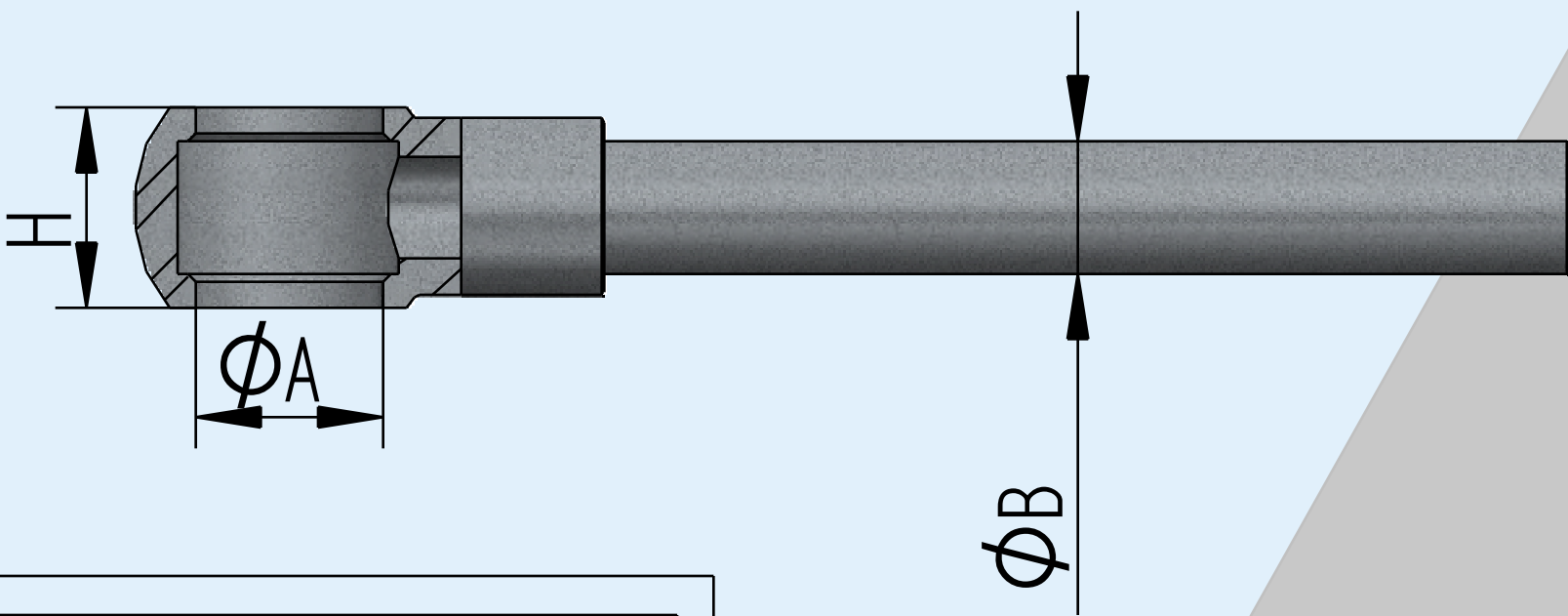
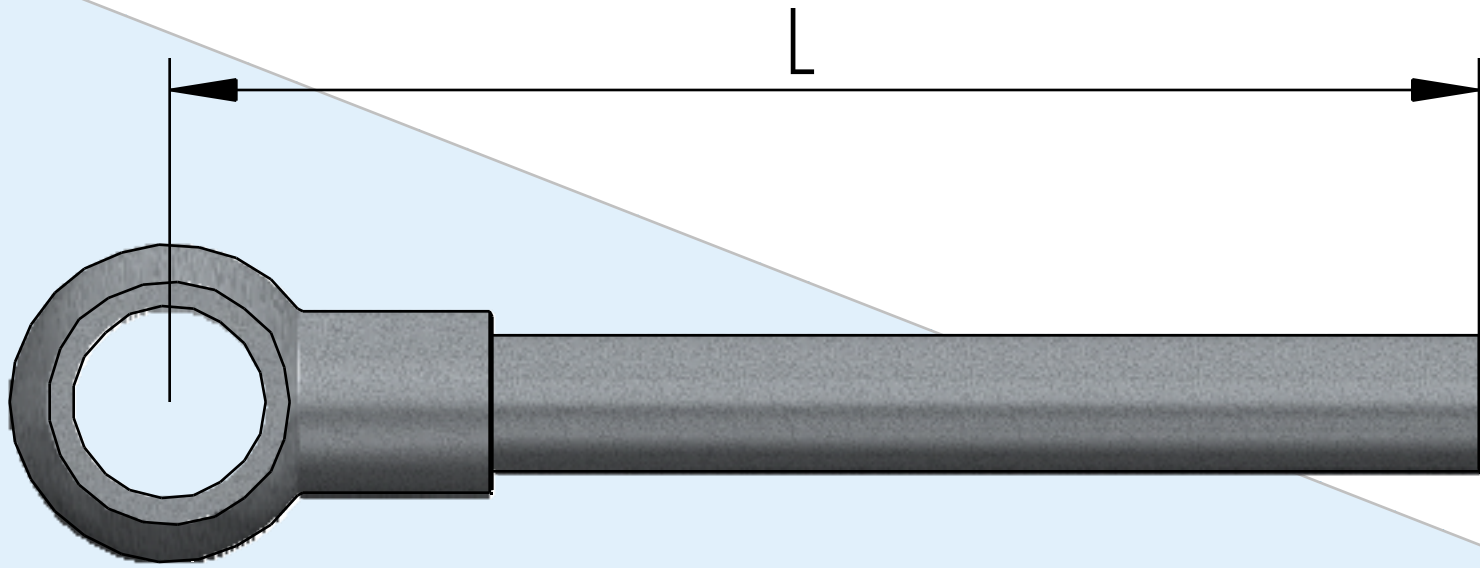
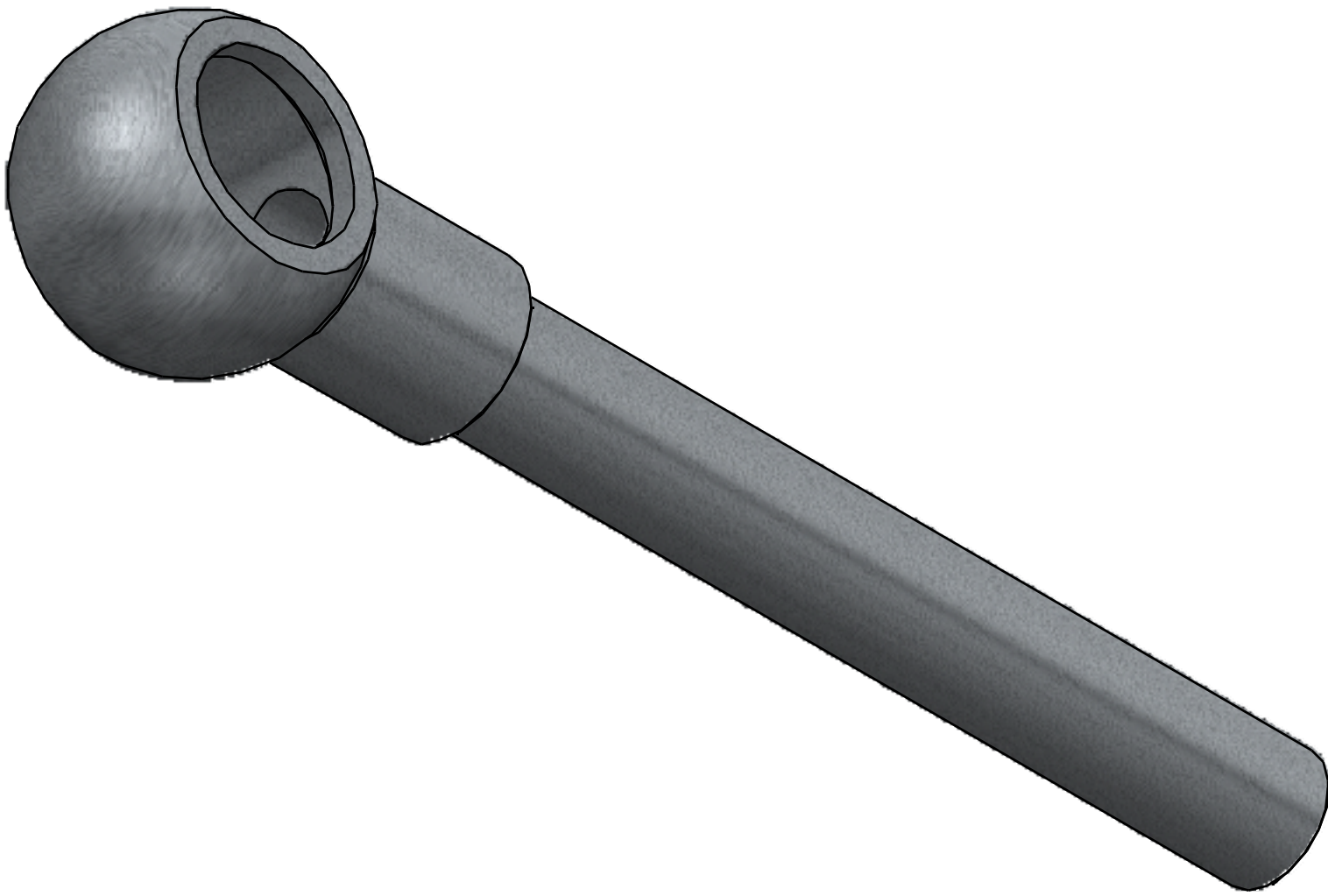
Nel caso non si indicasse l'Opzione2 e/o l'Opzione3, sarà fornita in configurazione standard.

If Option2 and/or Option3 are not indicated, standard configuration will be considered.

Option 3	*= standard
X (*)	Pressione di apertura Cracking pressure 3 Bar



Descrizione / Codice Description / Code	L	H	Ø B	Ø A
TUO10X1,5L100-G1/4	100	14	10	13,3
TUO10X1,5L200-G1/4	200	14	10	13,3
TUO10X1,5L300-G1/4	300	14	10	13,3
TUO10X1,5L400-G1/4	400	14	10	13,3
TUO10X1,5L500-G1/4	500	14	10	13,3
TUO12X1,5L100-G1/4	100	17	12	13,3
TUO12X1,5L200-G1/4	200	17	12	13,3
TUO12X1,5L300-G1/4	300	17	12	13,3
TUO12X1,5L400-G1/4	400	17	12	13,3
TUO12X1,5L500-G1/4	500	17	12	13,3
TUO12X1,5L100-G3/8	100	17	12	16,9
TUO12X1,5L200-G3/8	200	17	12	16,9
TUO12X1,5L300-G3/8	300	17	12	16,9
TUO12X1,5L400-G3/8	400	17	12	16,9
TUO12X1,5L500-G3/8	500	17	12	16,9



Codice di ordinazione - Ordering code

TUO	Option 1	10x1,5	L	Option 2	100	G	Option 3	1/4
		12x1,5			200			3/8
					300			
					400			
					500			

Option 1

Diametro tubo
Pipe diameter

10X1,5	Diametro esterno 10 mm, spessore 1,5 mm (solamente con opzione 3 - 1/4 Gas) External diameter 10 mm, thickness 1,5 mm (only with option 3 - 1/4 Gas)
12X1,5	Diametro esterno 12 mm, spessore 1,5 mm External diameter 12 mm, thickness 1,5 mm

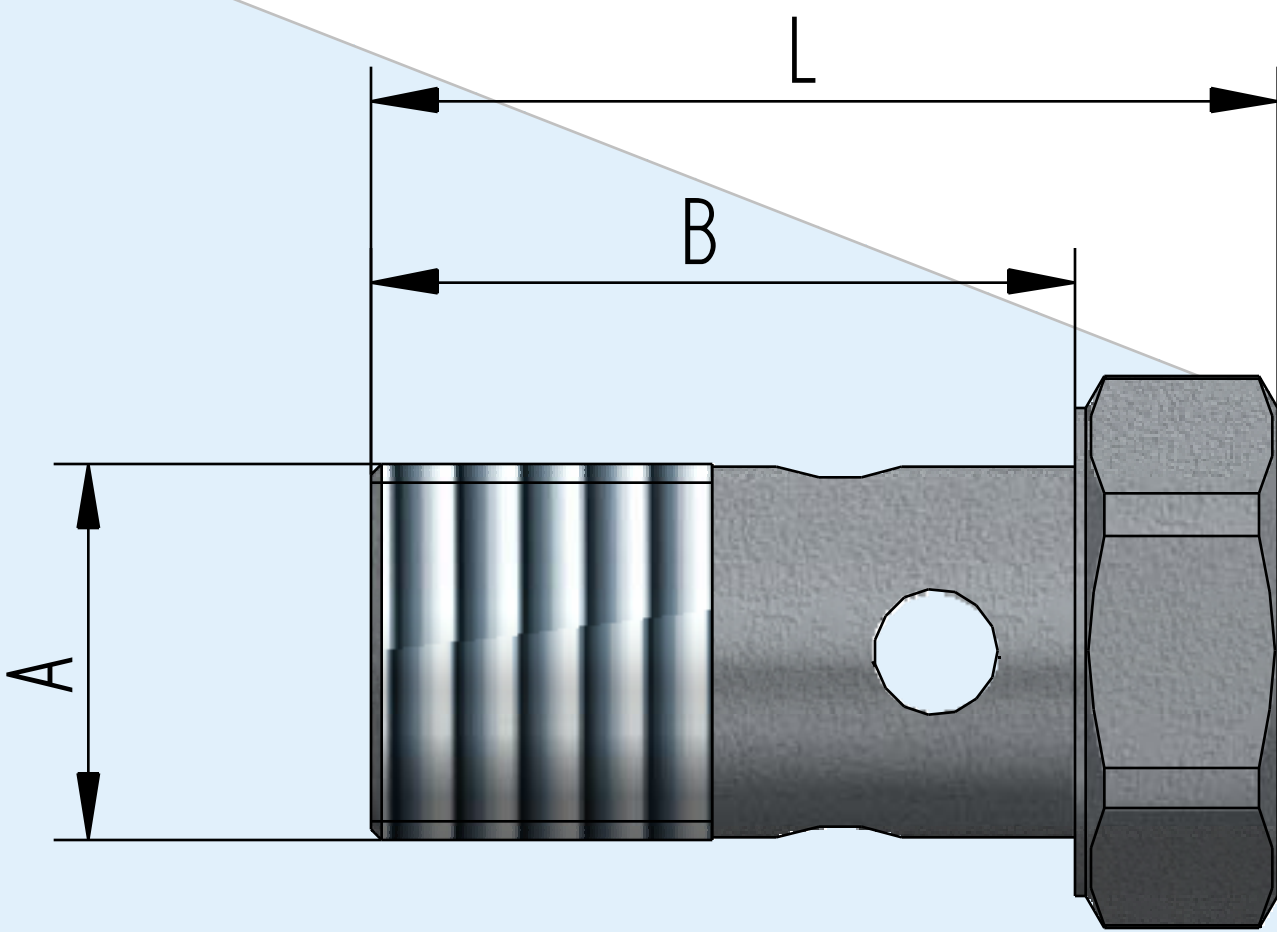
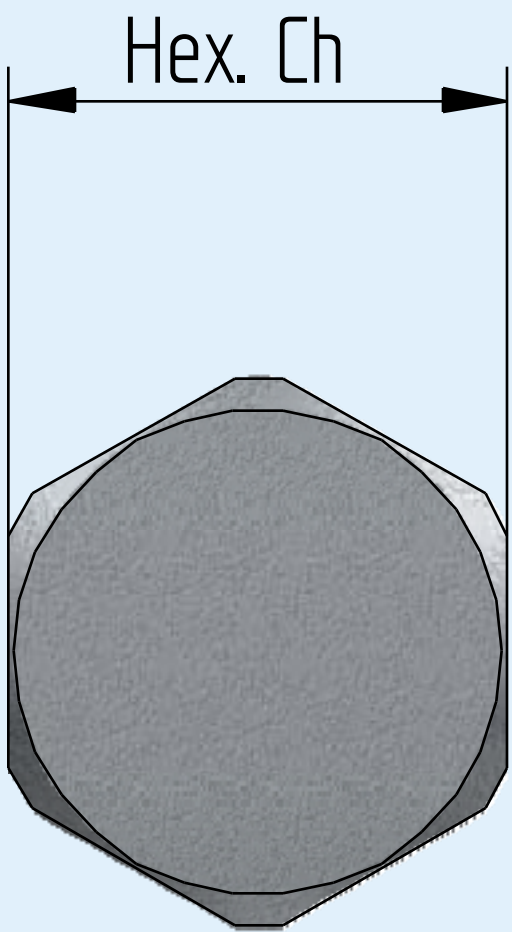
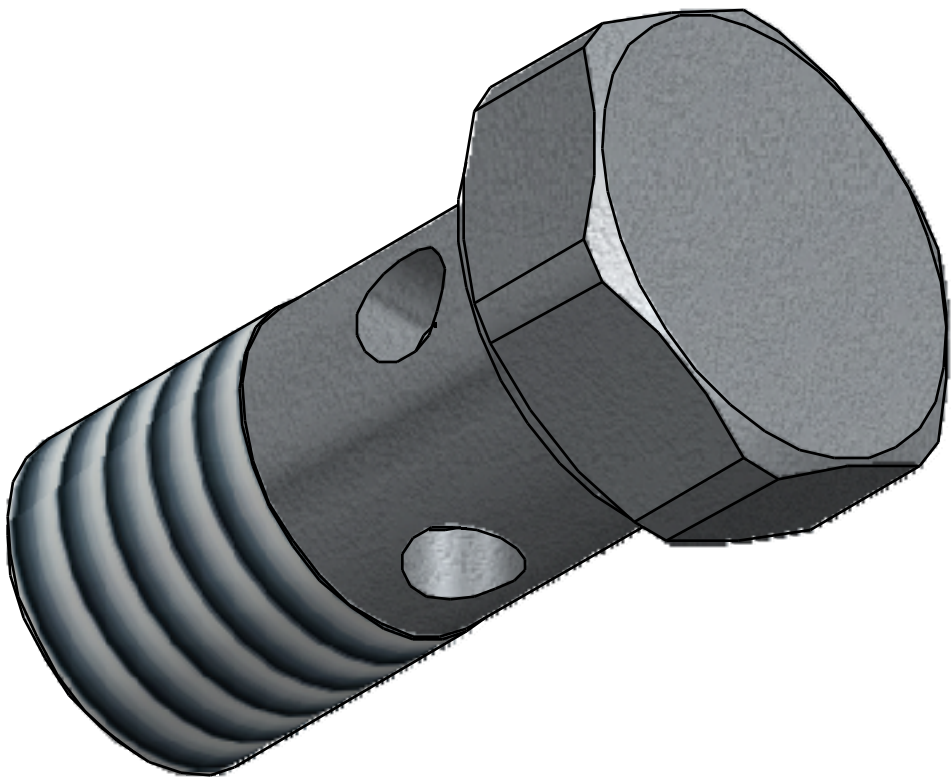
Option 2

100	Lunghezza tubo 100 mm Pipe length 100 mm
200	Lunghezza tubo 200 mm Pipe length 200 mm
300	Lunghezza tubo 300 mm Pipe length 300 mm
400	Lunghezza tubo 400 mm Pipe length 400 mm
500	Lunghezza tubo 500 mm Pipe length 500 mm

Option 3

1/4	Sede per vite forata da 1/4 Gas Banjo for Holed bolt 1/4 Gas
3/8	Sede per vite forata da 3/8 Gas Banjo for Holed bolt 3/8 Gas

Descrizione / Codice Description / Code	L (mm)	A	B (mm)	Hex. Ch (mm)
VIFO-G1/4	34	1/4 Gas	28	19
VIFO-G3/8	39	3/8 Gas	31	22



Codice di ordinazione - Ordering code

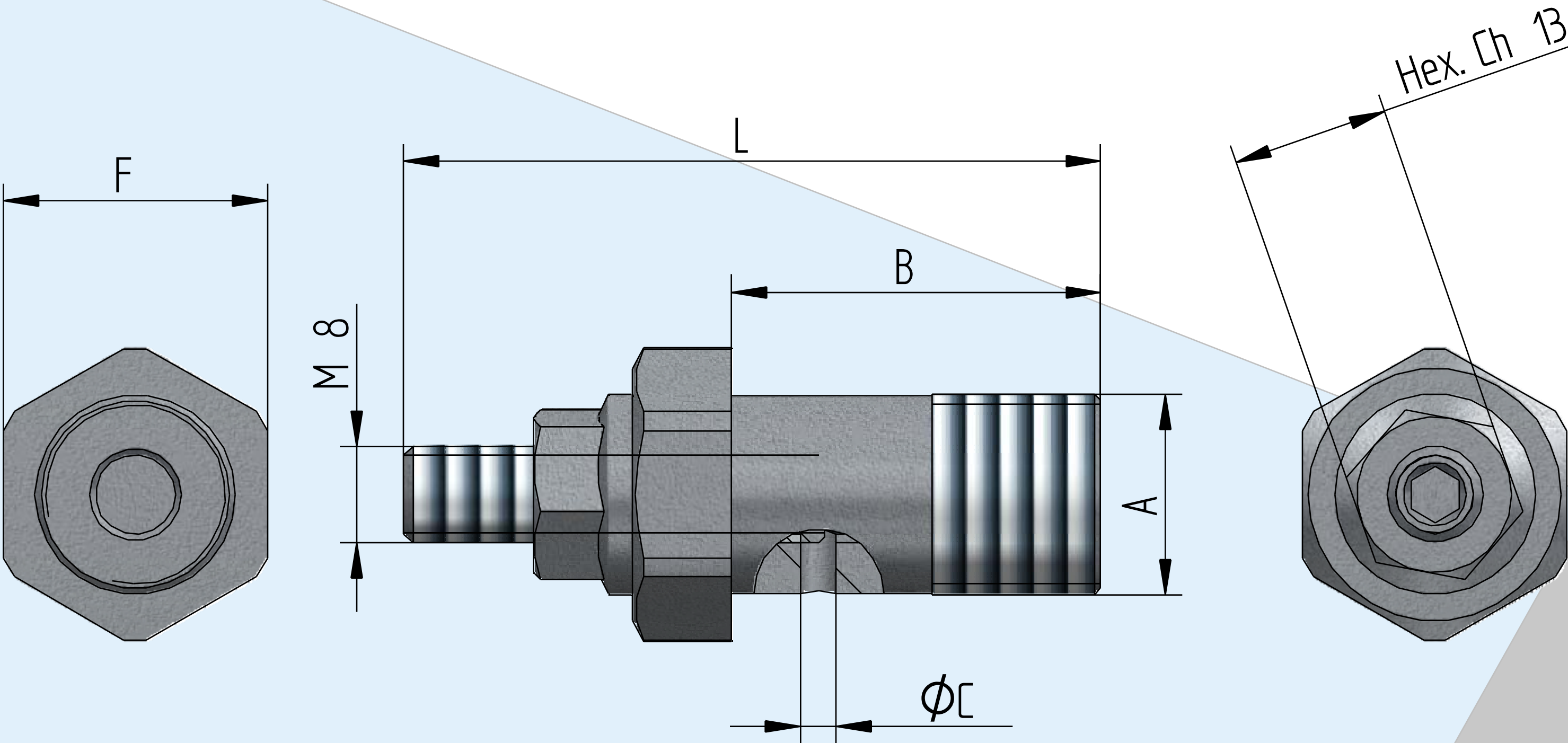
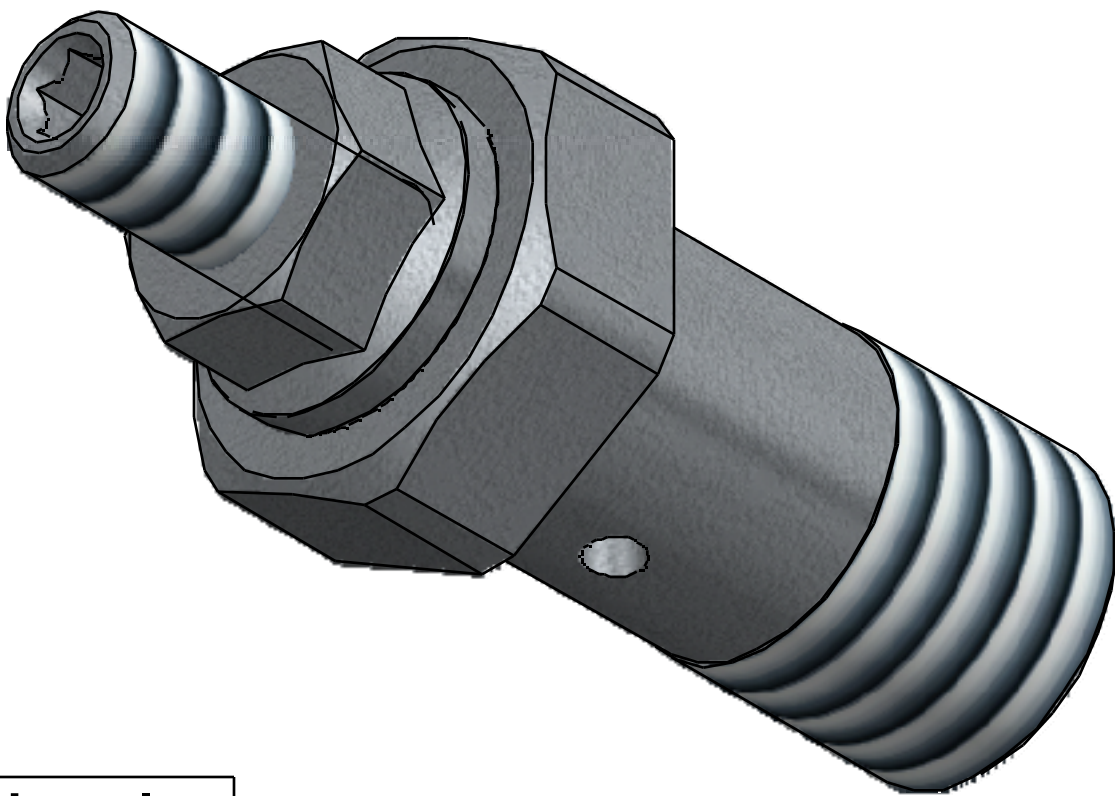
VIFO - G	Option 1	1/4
		3/8

Option 1	
1/4	Vite forata da 1/4 Gas Holed bolt 1/4 Gas
3/8	Vite forata da 3/8 Gas Holed bolt 3/8 Gas

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Descrizione Description	VIFOR -G1/4	VIFOR -G3/8
Pressione massima - Max pressure Bar	320	320
Peso - Weight Kg	0,048	0,076
A	1/4 GAS	3/8 GAS
L	53	58
F (Hex. Ch)	19	22
B	28,75	30,70
φC	2,5	3
Materiale corpo - Body material	Acciaio galvanizzato - Galvanized steel	

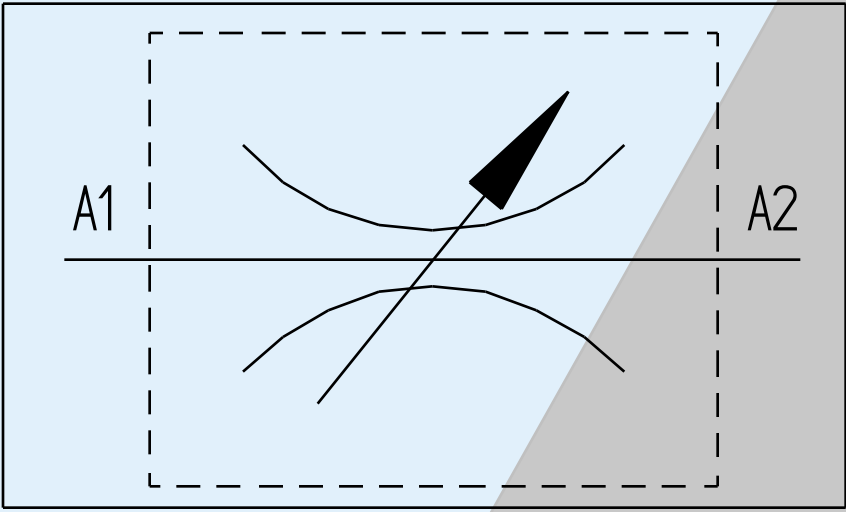


Codice di ordinazione - Ordering code

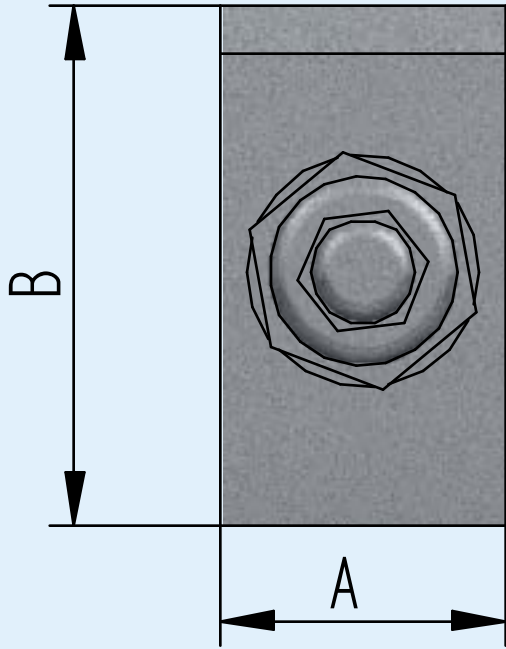
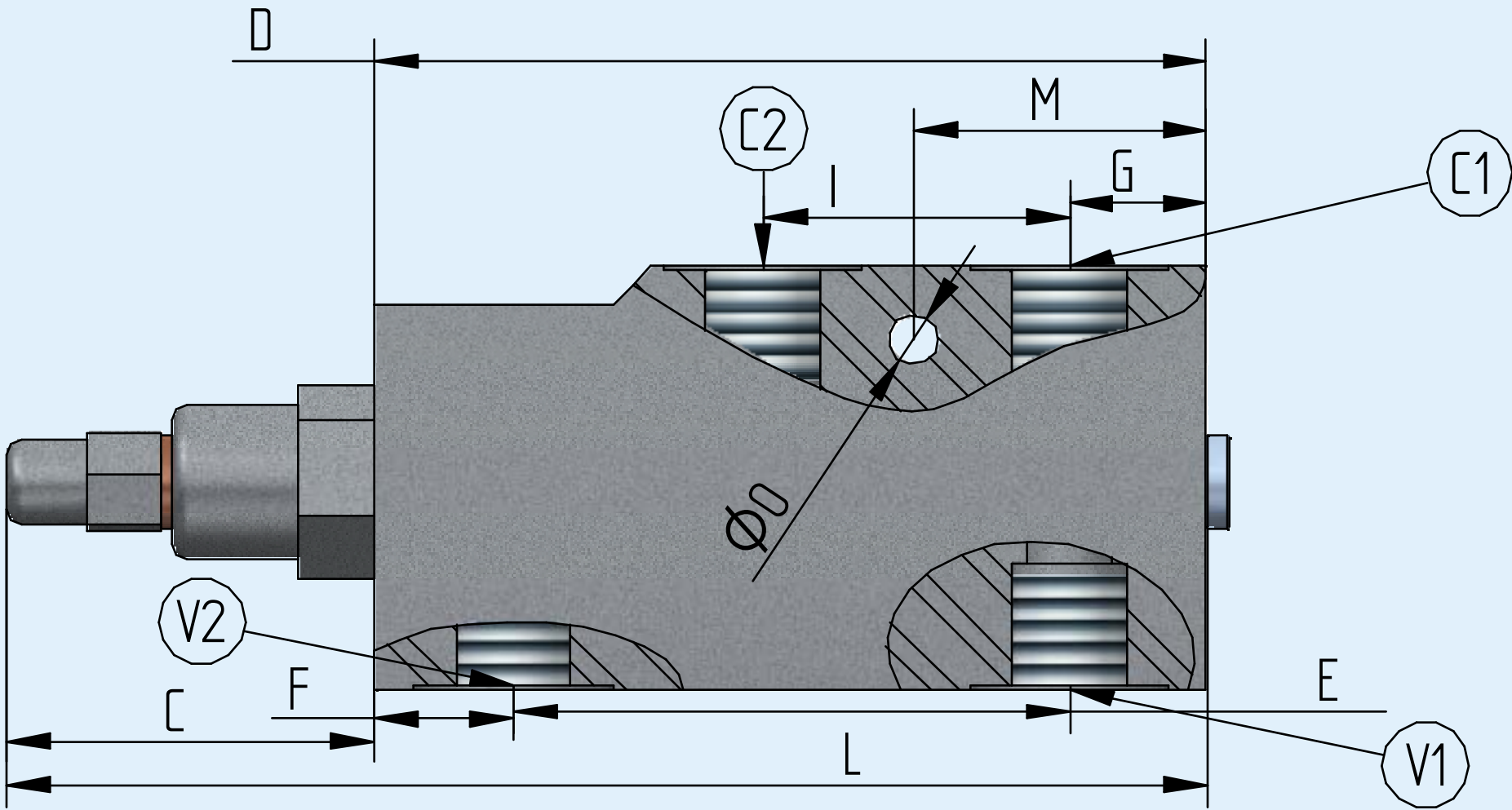
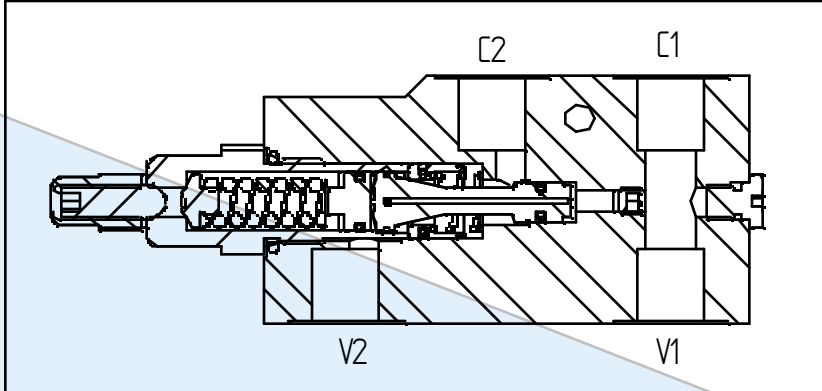
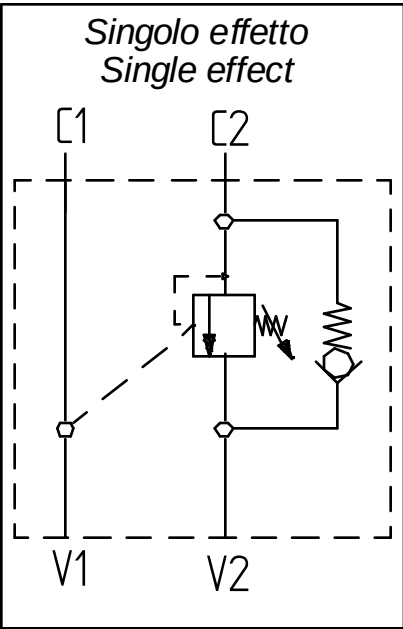
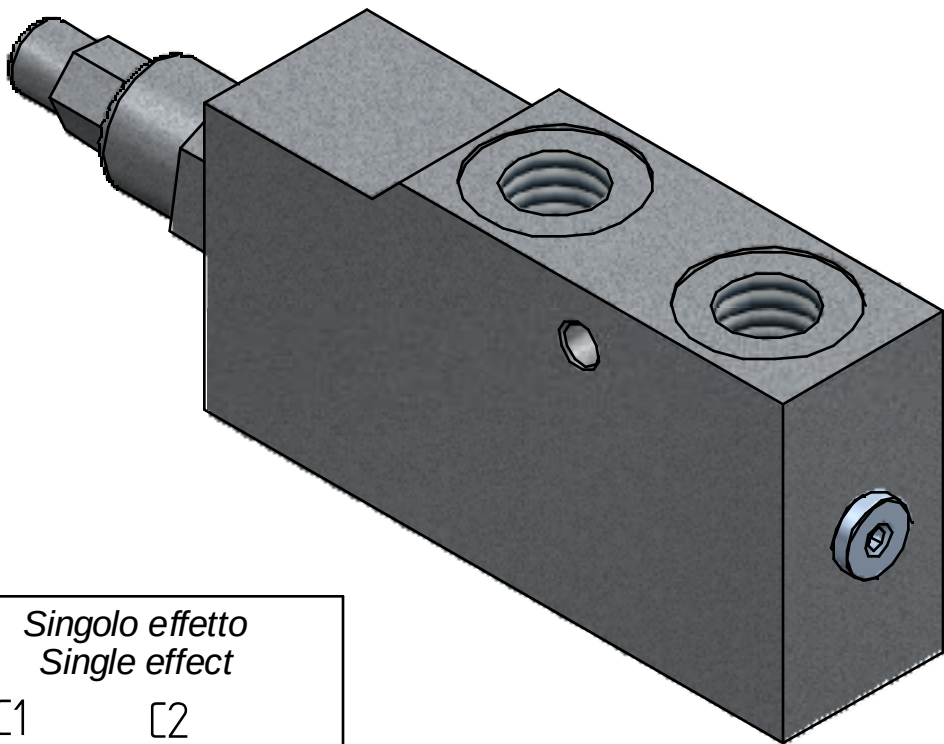
VIFOR - G	Option 1	1/4
		3/8

Option 1

1/4	Vite forata registrabile da 1/4 Gas Adjustable Holed bolt 1/4 Gas
3/8	Vite forata registrabile da 3/8 Gas Adjustable Holed bolt 3/8 Gas



Descrizione Description		VOSE -G1/4	VOSE -G3/8	VOSE -G1/2	VOSE -G3/4
Pressione massima - corpo Alluminio Max pressure - Aluminium body		275	275	275	275
Pressione massima - corpo Acciaio Max pressure - Steel body		350	350	350	350
Portata - Flow		30	40	60	90
Peso - Weight	Alluminio - Aluminium	0,7	0,7	0,8	1,2
	Acciaio - Steel	1,4	1,4	1,9	2,8
V1 - V2 - C1 - C2		1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS
A		30	30	35	40
B		60	60	70	80
C		(54)	(54)	(54)	(57)
D		105	105	105	130
E		64	64	64	85
F		25	25	25	23,5
G		16	16	16	21,5
I		38	38	38	46
M		35	35	35	45
O		Ø 6,5	Ø 6,5	Ø 6,5	Ø 8,5
Rapporto pilotaggio - Pilot ratio		1:4,25	1:4,25	1:4,25	1:6,25



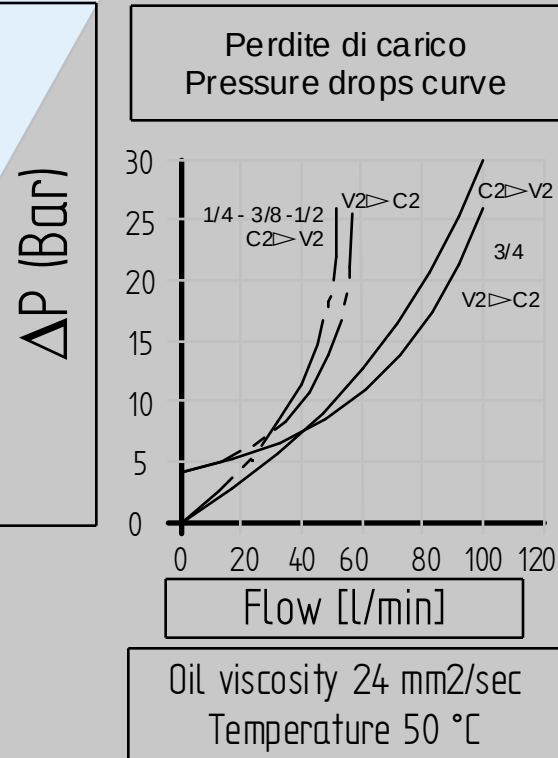
Codice di ordinazione
Ordering code

VOSE -	Option 1	G1/4	Option 2	X	Option 3	1
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		G1/2				
		G3/4				

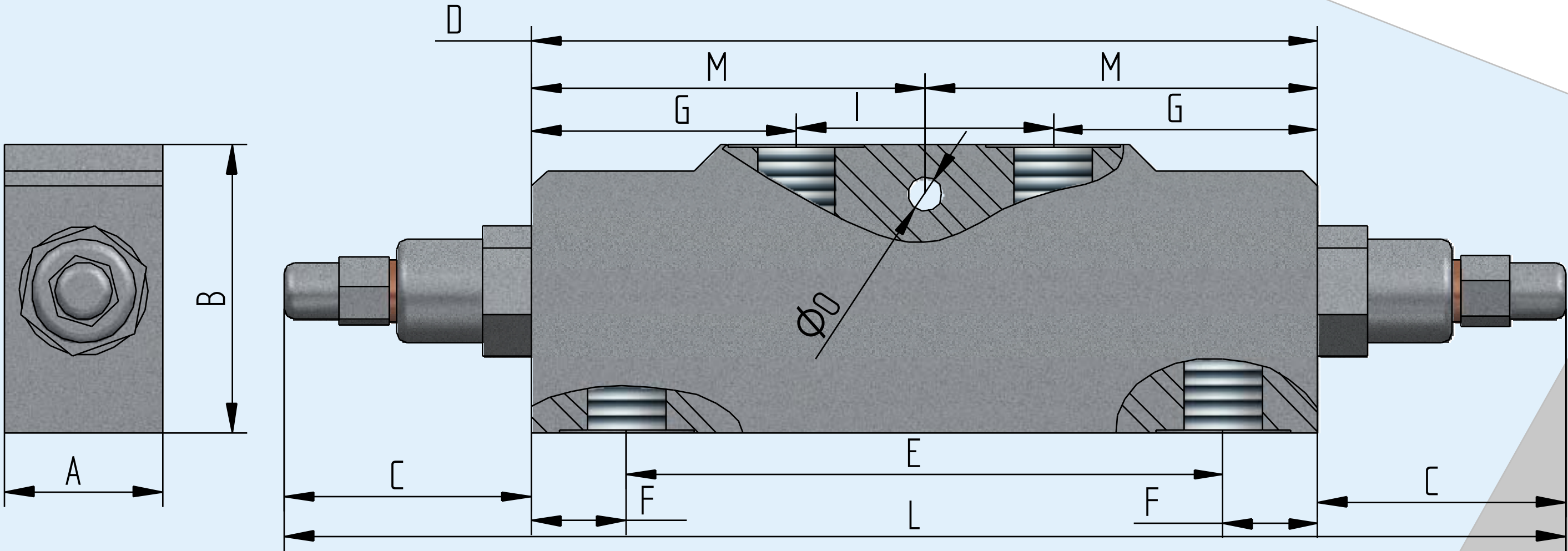
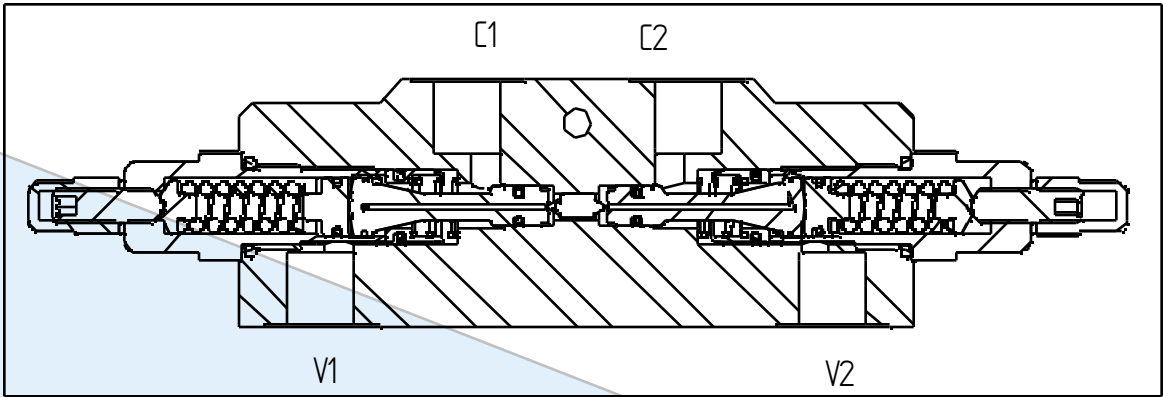
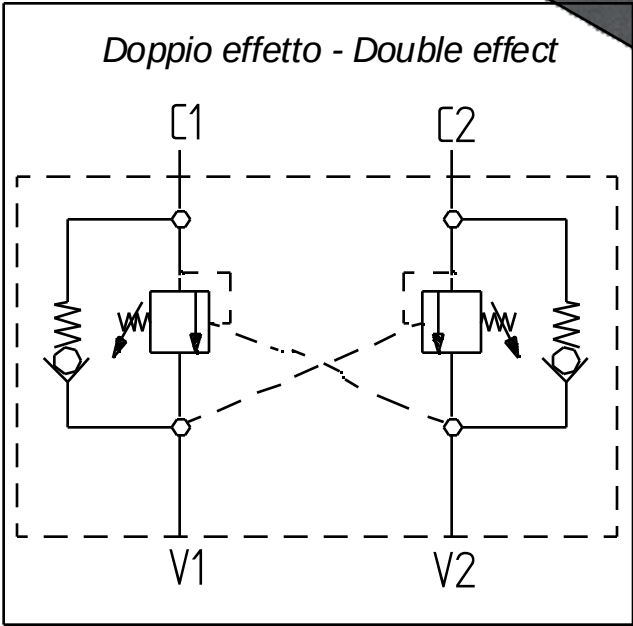
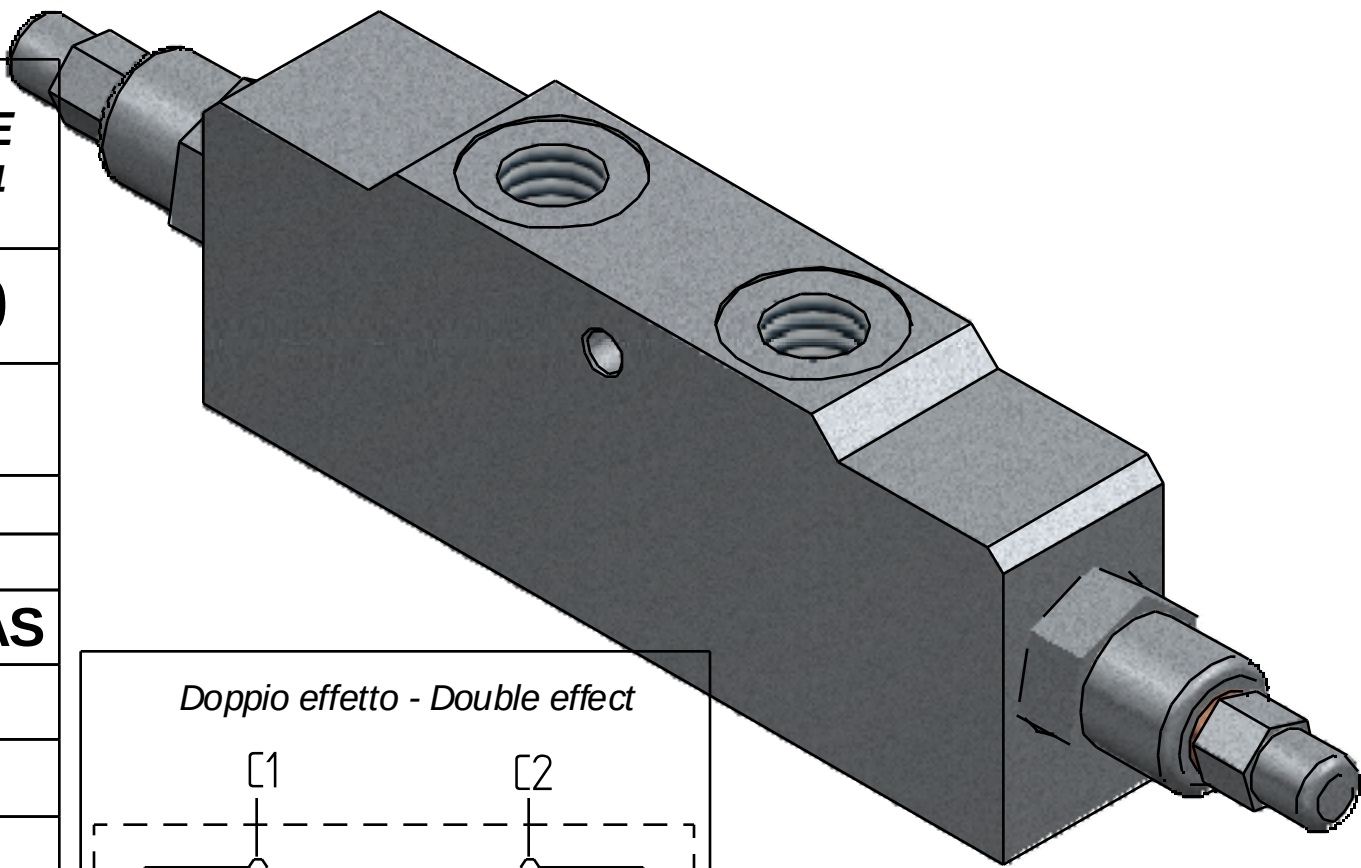
Nel caso non si indicasse l'Opzione2 e/o l'Opzione3,
sarà fornita in configurazione standard.

If Option2 and/or Option3 are not indicated,
standard configuration will be considered.

Option 1		Option 2	Taratura - Range setting	Option 3	Materiale corpo - Body material
Thread V1 - V2 - C1 - C2		X (Standard)	30 - 210 Bar	1 (Standard)	Acciaio Zincato Galvanized steel
G1/4	Filetto 1/4 Gas Thread 1/4 Gas	Y	60 - 350 Bar Corpo acciaio - Steel Body	2	Alluminio Aluminium
G3/8	Filetto 3/8 Gas Thread 3/8 Gas				
G1/2	Filetto 1/2 Gas Thread 1/2 Gas				
G3/4	Filetto 3/4 Gas Thread 3/4 Gas				



Descrizione Description		VODE -G1/4	VODE -G3/8	VODE -G1/2	VODE -G3/4
Pressione massima - corpo Acciaio Max pressure - Steel body		350	350	350	350
Portata - Flow		30	40	60	90
Peso - Weight	Alluminio - Aluminium	0,99	0,97	0,96	2,3
	Acciaio - Steel	2,10	2,06	2,00	3,8
V1 - V2 - C1 - C2		1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS
A		30	30	30	35
B		60	60	70	80
C		(54)	(54)	(54)	(57)
D		150	150	150	190
E		110	110	110	143
F		20	20	20	23,5
G		45	45	45	55
I		50	50	50	65
O		Ø 8,5	Ø 8,5	Ø 8,5	Ø 8,5
Rapporto pilotaggio - Pilot ratio		1:4,25	1:4,25	1:4,25	1:6,25

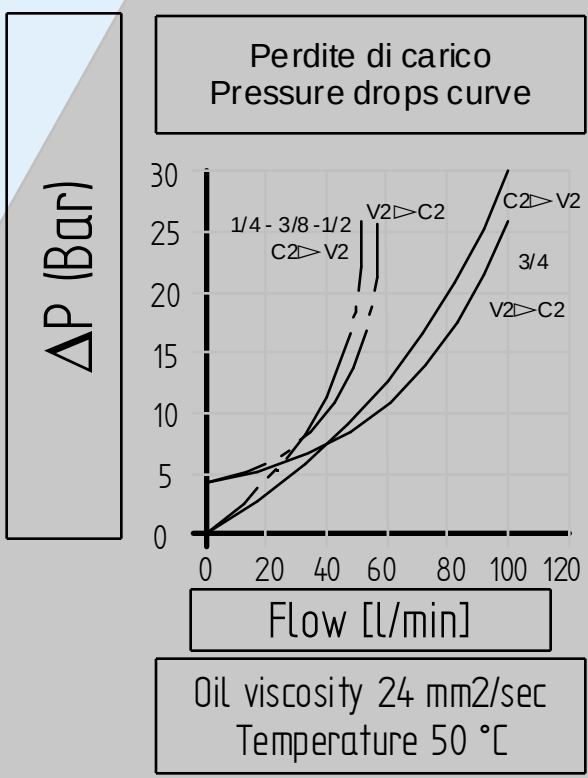


Codice di ordinazione
Ordering code

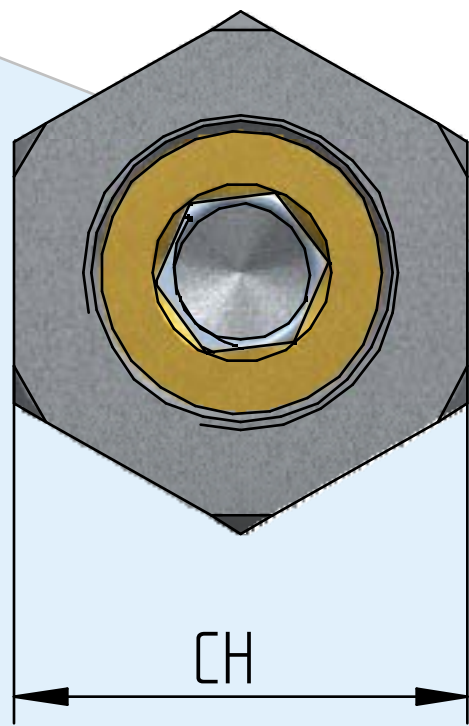
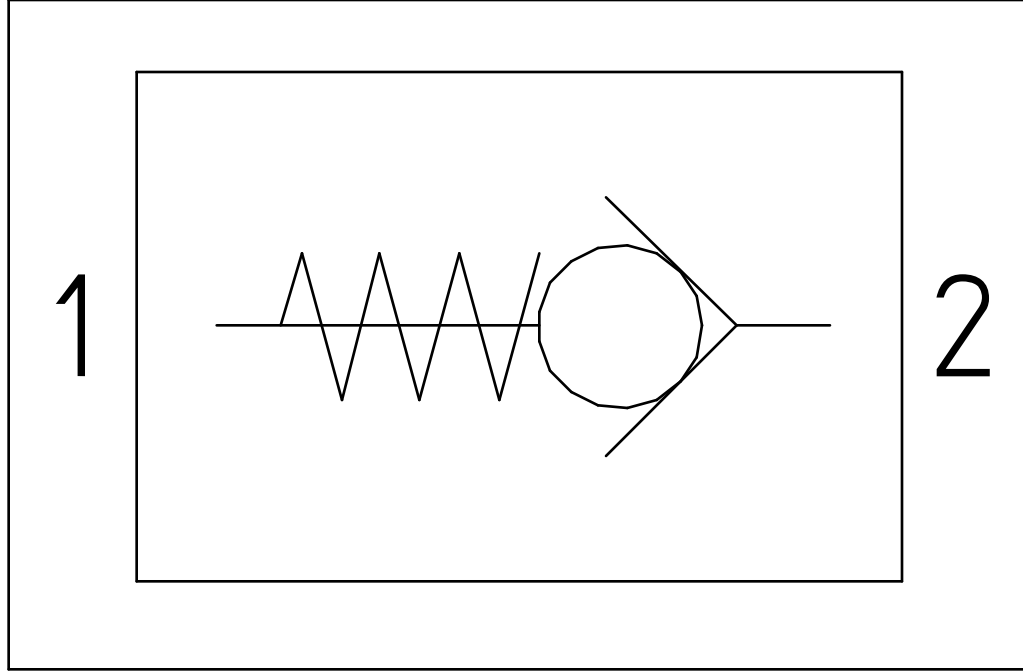
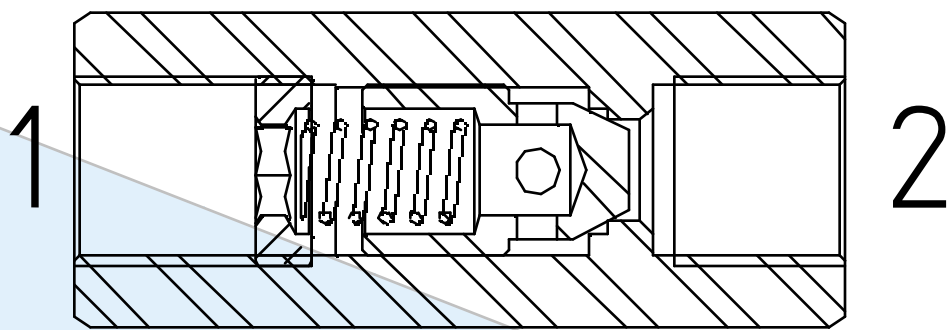
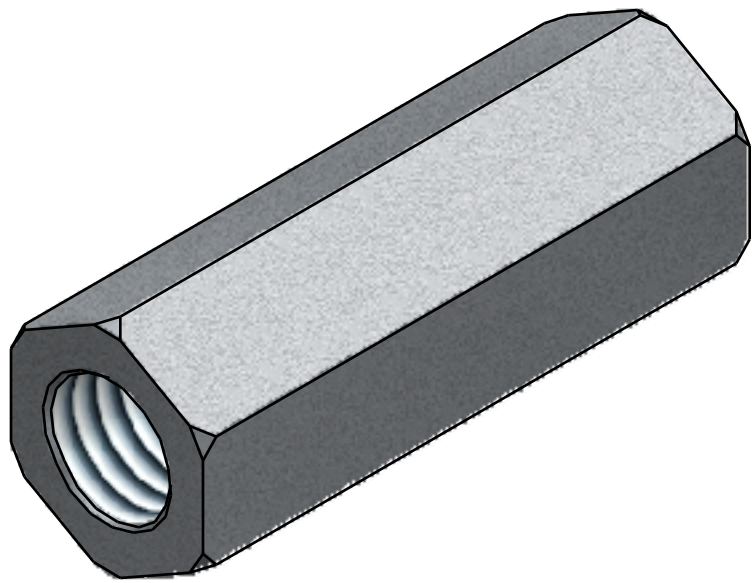
VODE -	Option 1	G1/4	Option 2	Y	Option 3	1
		G3/8				
		G1/2				
		G3/4				

Nel caso non si indicasse l'Opzione2 e/o l'Opzione3,
sarà fornita in configurazione standard.
If Option2 and/or Option3 are not indicated,
standard configuration will be considered.

Option 1		Option 2	Taratura - Range setting	Option 3	Materiale corpo - Body material
Thread V1 - V2 - C1 - C2		Y	60 - 350 Bar Corpo acciaio - Steel Body	1	Acciaio Zincato Galvanized steel
G1/4	Filetto 1/4 Gas Thread 1/4 Gas				
G3/8	Filetto 3/8 Gas Thread 3/8 Gas				
G1/2	Filetto 1/2 Gas Thread 1/2 Gas				
G3/4	Filetto 3/4 Gas Thread 3/4 Gas				



Descrizione Description	VU -G1/4	VU -G3/8	VU -G1/2	VU -G3/4	VU -G1"
Pressione massima - Max pressure Bar	350	350	320	300	300
Portata - Flow Lt/min	15	30	50	90	150
Peso - Weight Kg	0,10	0,18	0,31	0,45	0,70
1 - 2	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS
L	55	65	75	86,5	105
CH	19	24	27	35	41
Materiale corpo - Body material	Acciaio galvanizzato - Galvanized steel				



Codice di ordinazione
Ordering code

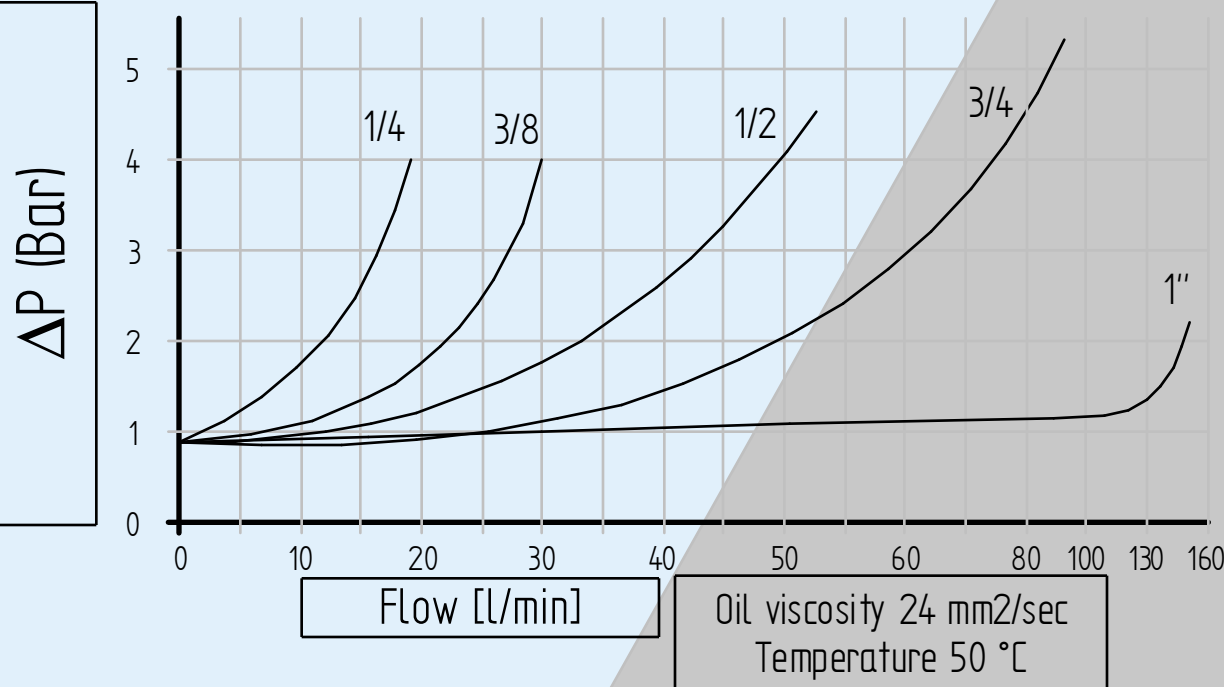
VU -	Option 1	G1/4	Option 2	X
		G3/8		Y
		G1/2		Z
		G3/4		
		G1"		

Nel caso non si indicasse l'Opzione2, sarà fornita in configurazione standard.

If Option2 is not indicated, standard configuration will be considered.

Option 1		Option 2	*= standard
Thread A1 - A2			
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas	X (*)	Pressione di apertura Cracking pressure 1 Bar
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas	Y	Pressione di apertura Cracking pressure 3 Bar
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas	Z	Pressione di apertura Cracking pressure 6 Bar
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas		
G1	Filetto 1" Gas - Thread 1" Gas		

Perdite di carico
Pressure drops curve



VU ~ MM

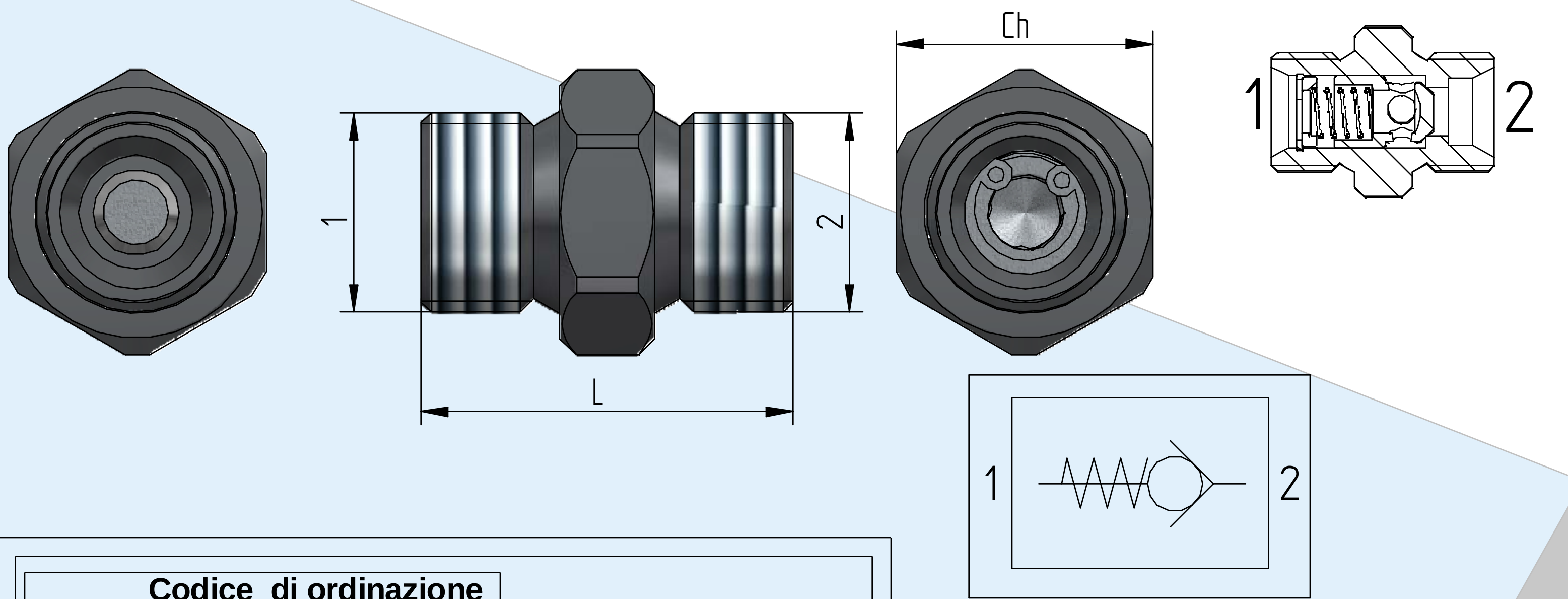
Valvola unidirezionale

Check valve

Steel body



Descrizione Description	VU -G1/4 MM	VU -G3/8 MM	VU -G1/2 MM	VU -G3/4 MM	VU -G1" MM	VU -G1"1/4 MM	VU -G1"1/2 MM	VU -G2" MM
Pressione massima - Max pressure Bar	350	350	350	350	320	320	320	320
Portata - Flow Lt/min	8	20	50	90	90	250	300	650
Peso - Weight Kg	0,033	0,053	0,092	0,142	0,288	0,594	0,910	1,800
1 - 2	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS	1" 1/4 GAS	1" 1/2 GAS	2" GAS
L	32	34	39	45	55	70	86	102
CH	19	22	27	32	40	50	55	70
Materiale corpo - Body material	Acciaio galvanizzato - Galvanized steel							



Codice di ordinazione
Ordering code

VU -

Option 1

G1/4

G3/8

G1/2

G3/4

G1

G11/4

G11/2

G2

MM

Option 2

X

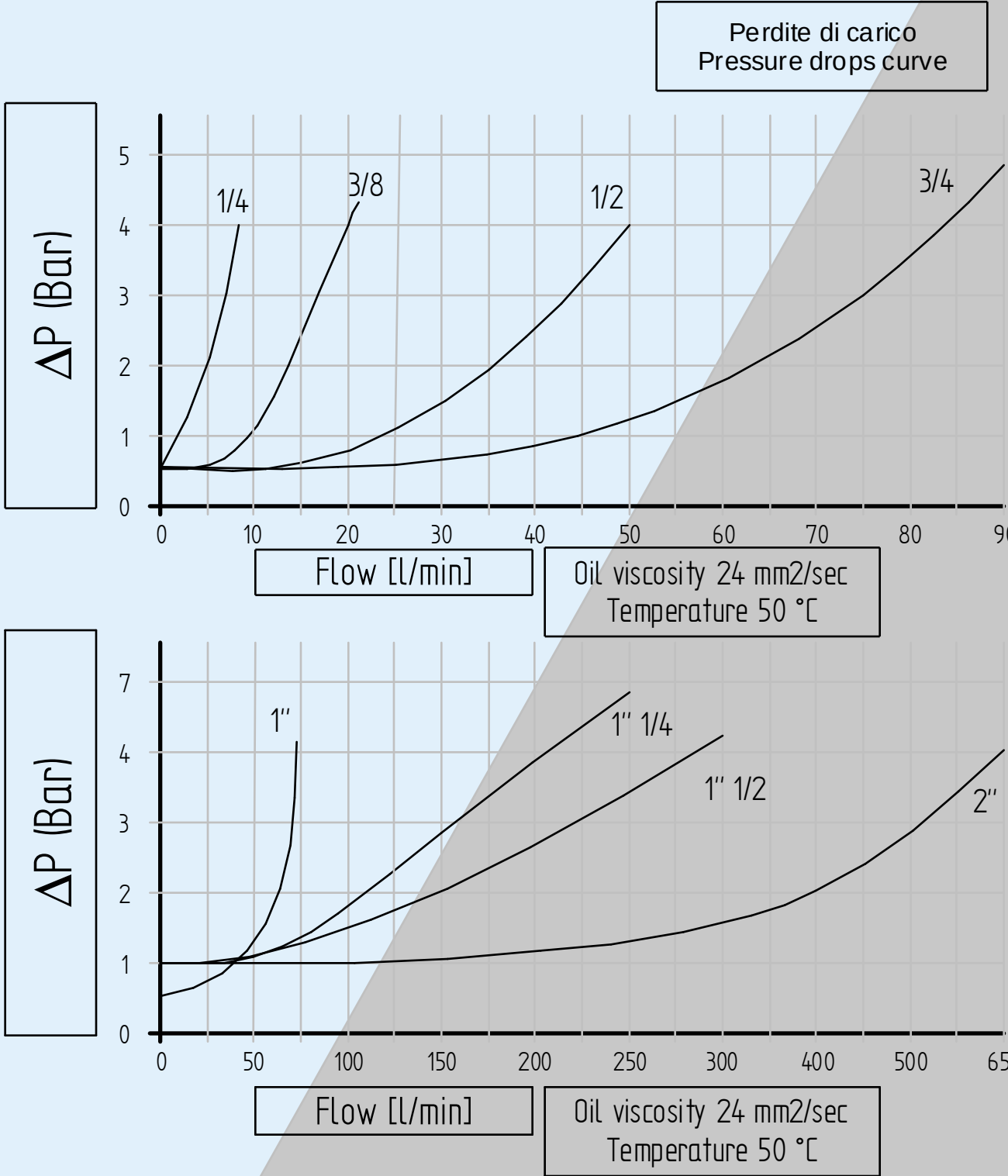
Y

Z

Nel caso non si indicasse l'Opzione2, sarà fornita in configurazione standard.

If Option2 is not indicated, standard configuration will be considered.

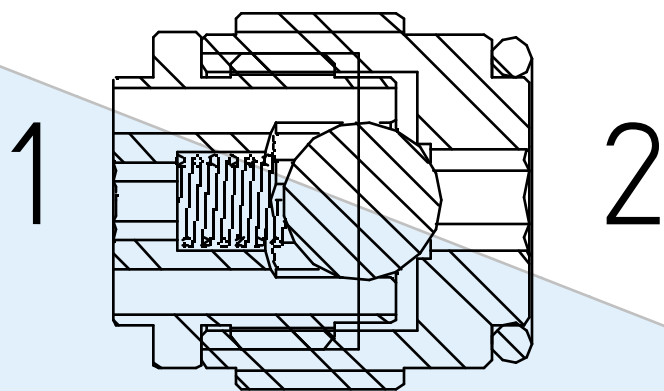
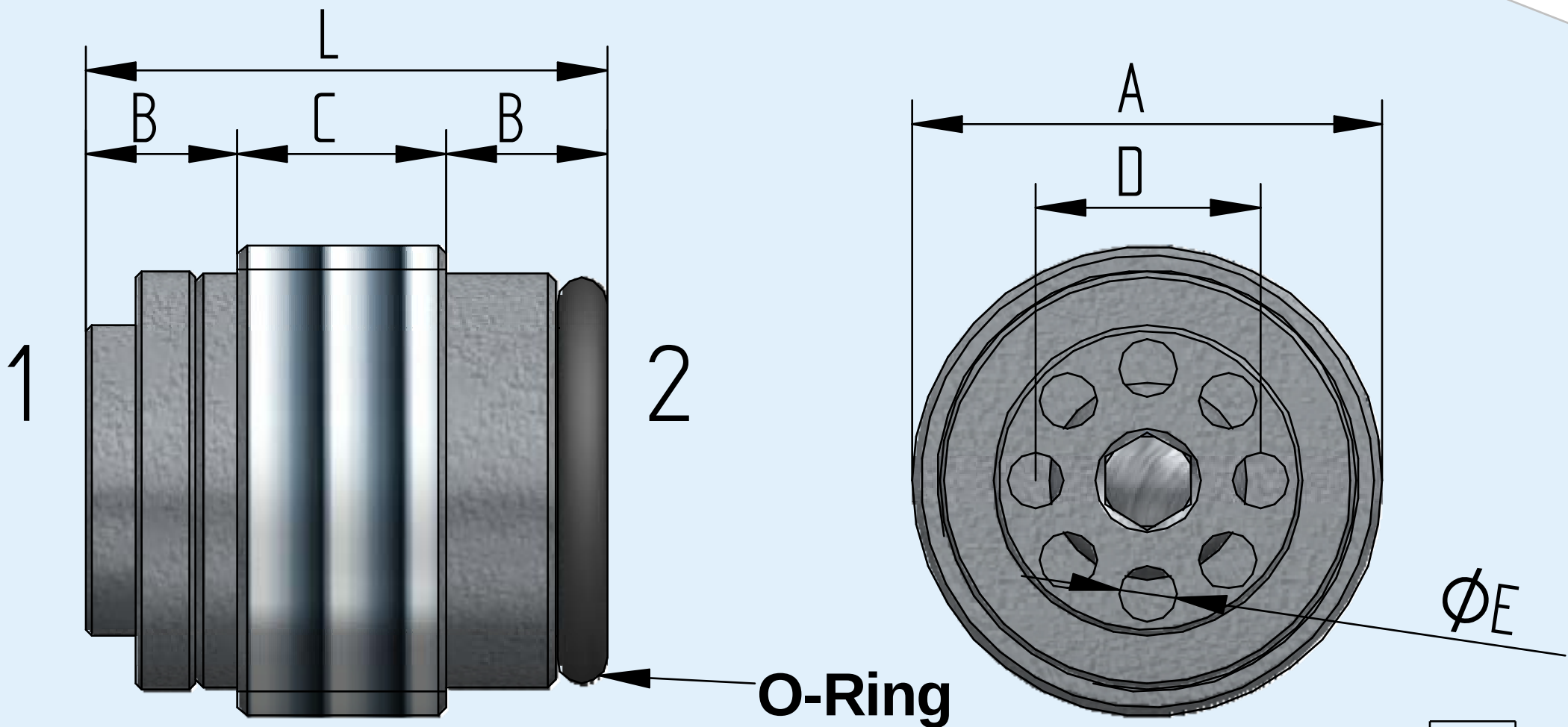
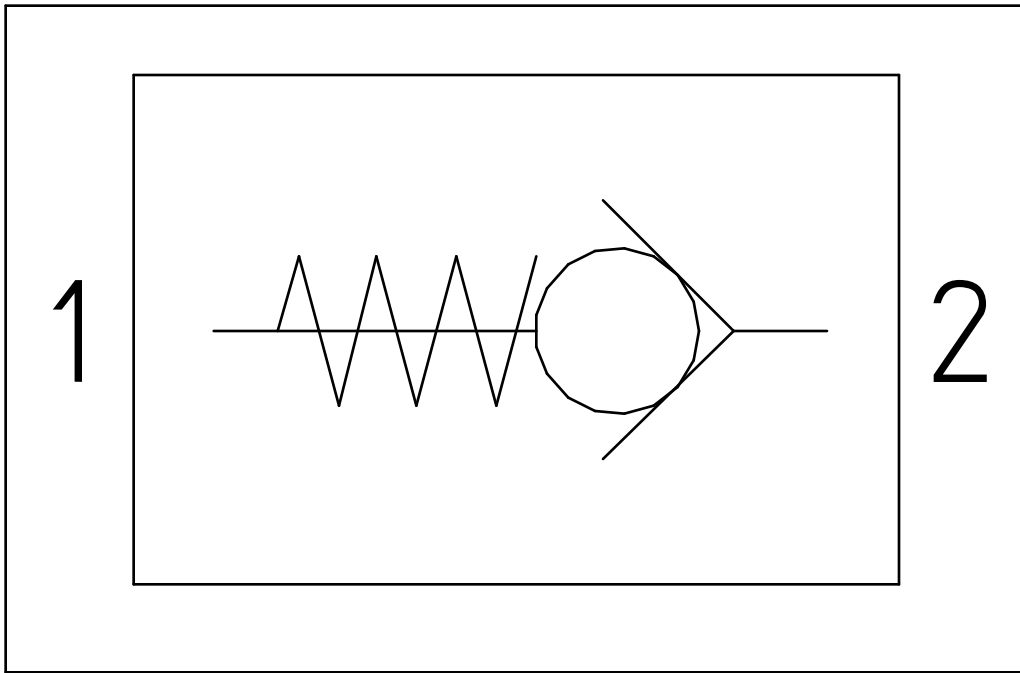
Option 1		Option 2	*= standard
Thread A1 - A2		X (*)	Pressione di apertura Cracking pressure 1 Bar
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas	Y	Pressione di apertura Cracking pressure Until 1" - 3 Bar From 1"1/4 - 6 Bar
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas		
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas		
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas		
G1	Filetto 1" Gas - Thread 1" Gas	Z	Pressione di apertura Cracking pressure Until 1" - 6 Bar From 1"1/4 - 9 Bar
G11/4	Filetto 1"1/4 Gas - Thread 1"1/4 Gas		
G11/2	Filetto 1"1/2 Gas - Thread 1"1/2 Gas		
G2	Filetto 2" Gas - Thread 2" Gas		



Dati tecnici indicativi e non impegnativi.
L'azienda si riserva di apportare modifiche in qualsiasi momento e senza preavviso.
Technical data not binding. Modifications reserved without prior notice.



Descrizione Description		VUI -G1/4	VUI -G3/8	VUI -G1/2	VUI -G3/4
Pressione massima - Max pressure Bar		350	350	350	350
Portata - Flow Lt/min		20	30	50	80
Peso - Weight Kg		0,01	0,02	0,035	0,07
A		1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS
L		17	18,5	22,5	28,5
O-ring		9x1	10,8x1,78	14x1,78	18,7x2,62
B		5,5	5,5	7	7,5
C		6	7,5	8,5	13,5
D		6	7,5	10	14
E		Ø1,3	Ø2	Ø2,5	Ø3,25
G		28	31	35	41
H		31	34	38	45
F Max.		Ø7	Ø9	Ø12	Ø16
Coppia serraggio - Tighering Torque nm		6	6	10	20
Materiale corpo - Body material		Acciaio - Steel			



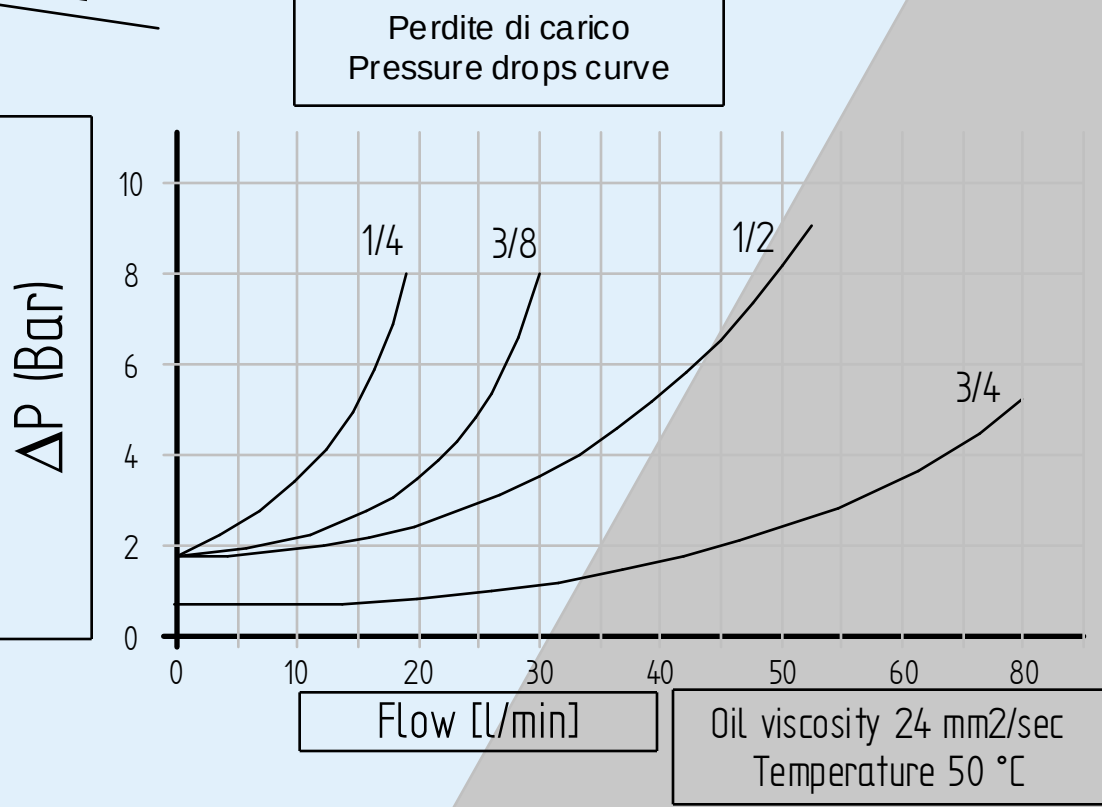
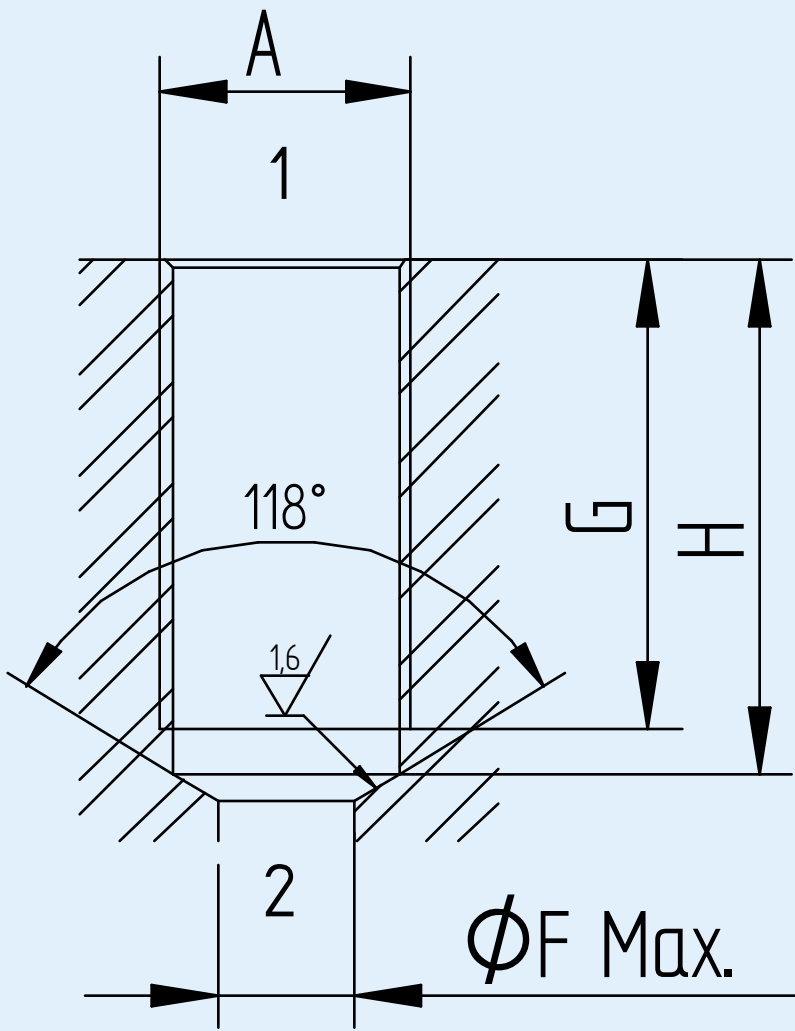
Codice di ordinazione
Ordering code

VUI -	Option 1	G1/4
		G3/8
		G1/2
		G3/4

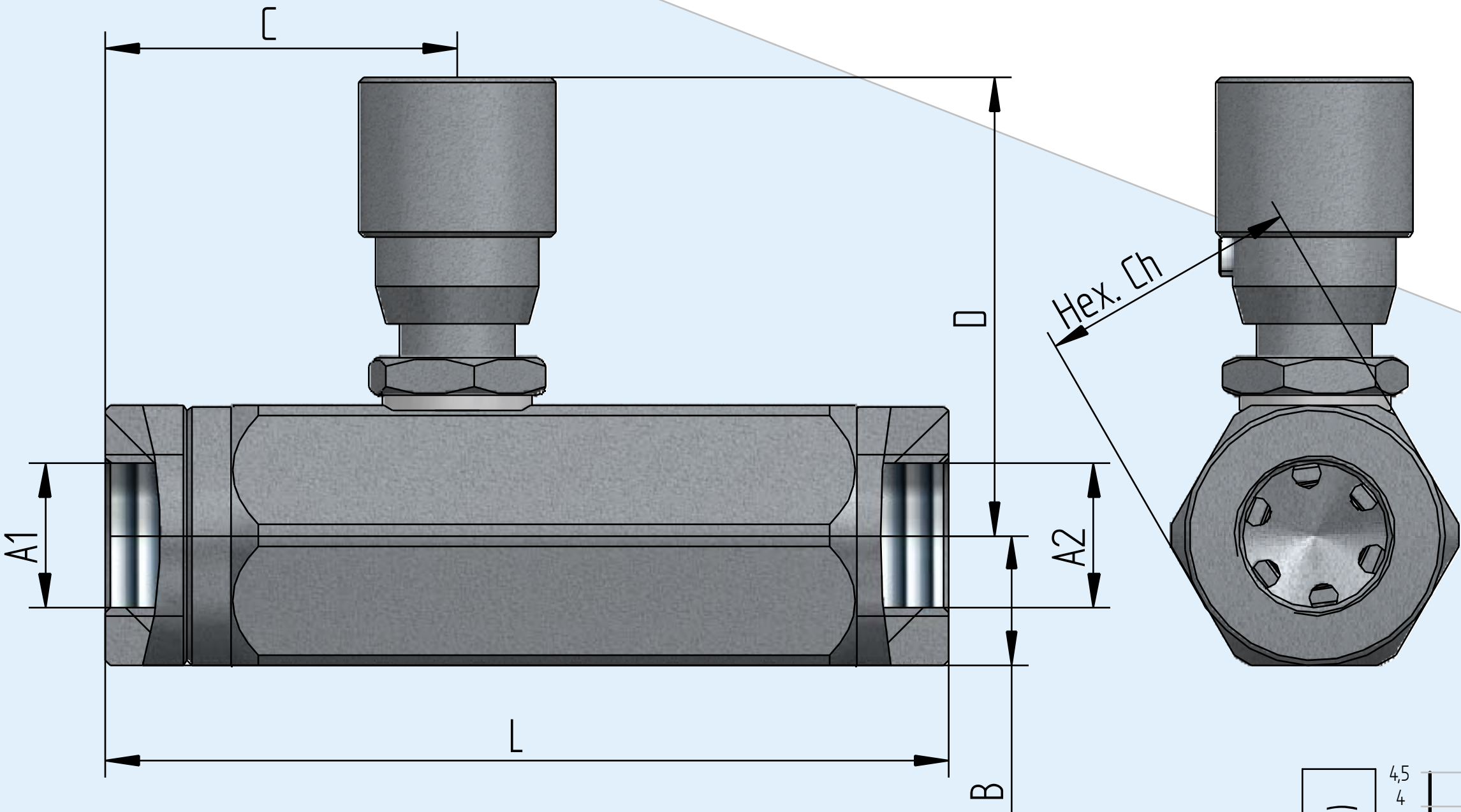
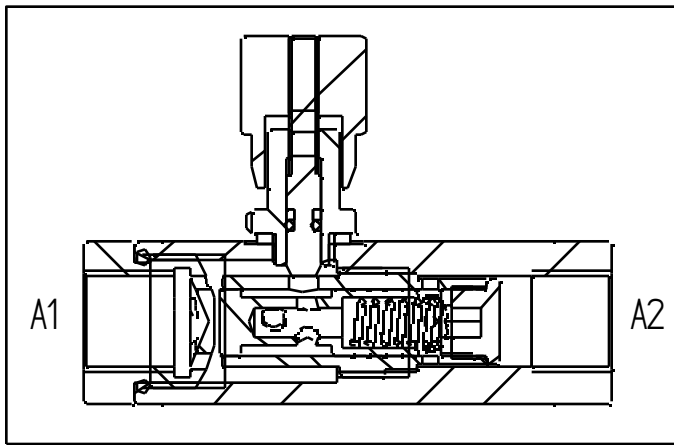
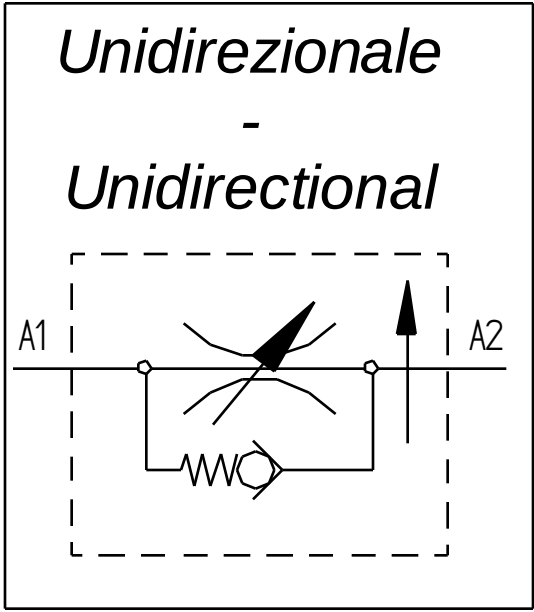
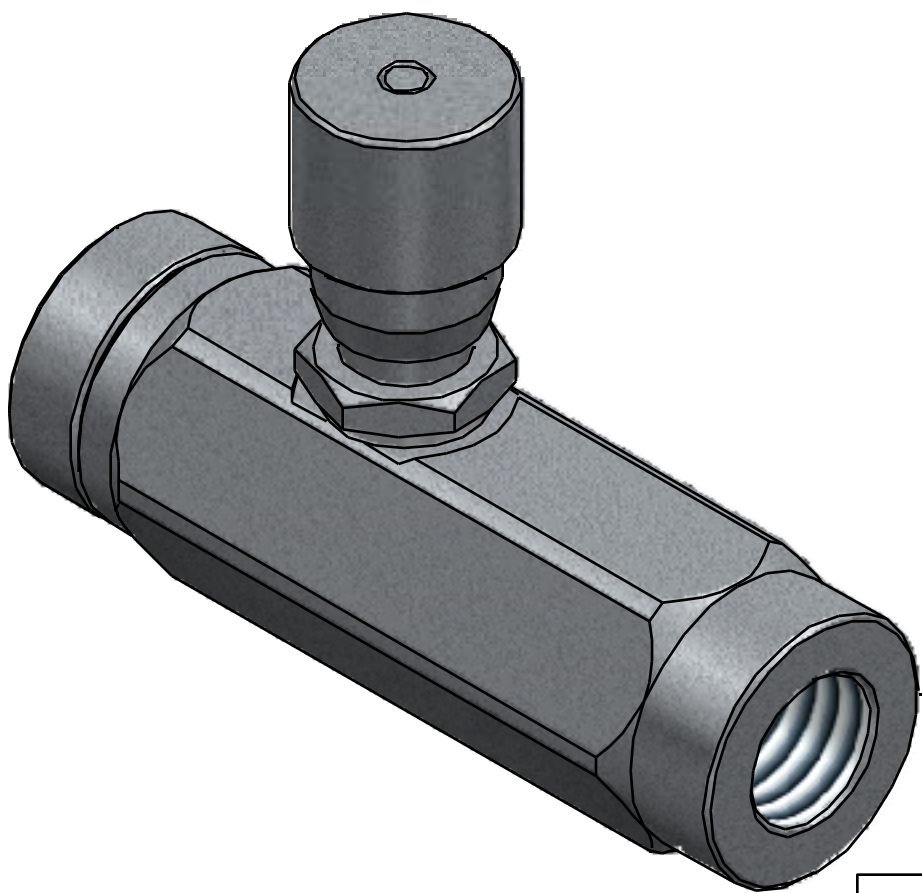
Option 1
Thread A

G1/4	Filetto 1/4 Gas - Thread 1/4 Gas
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas

Cavità - Cavity



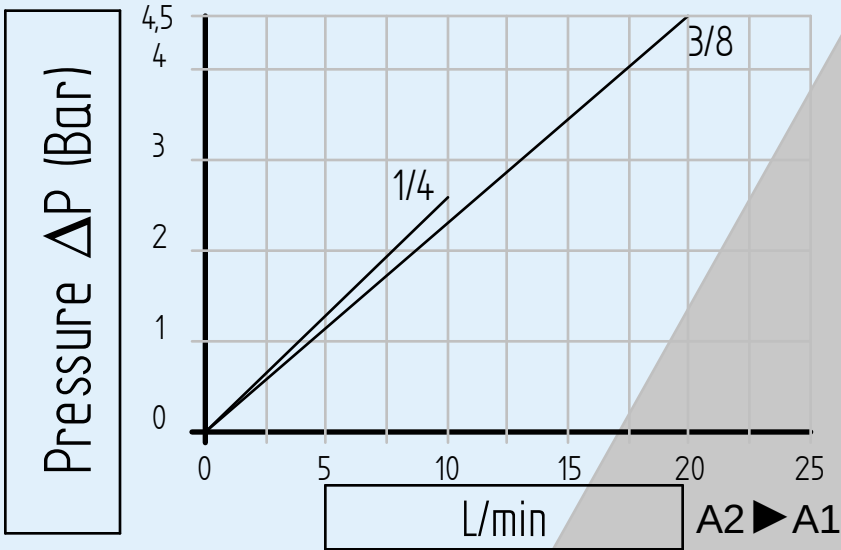
Descrizione Description	STUC -G1/4	STUC -G3/8
Pressione massima - Max pressure Bar	250	250
Portata - Flow Lt/min	10	18
Peso - Weight Kg	0,38	0,37
A1 - A2	1/4 GAS	3/8 GAS
L	87,5	87,5
B	13,5	13,5
C	36,5	36,5
D	52	52
Hex. Ch	27	27
Materiale corpo - Body material	Acciaio galvanizzato - Galvanized steel	



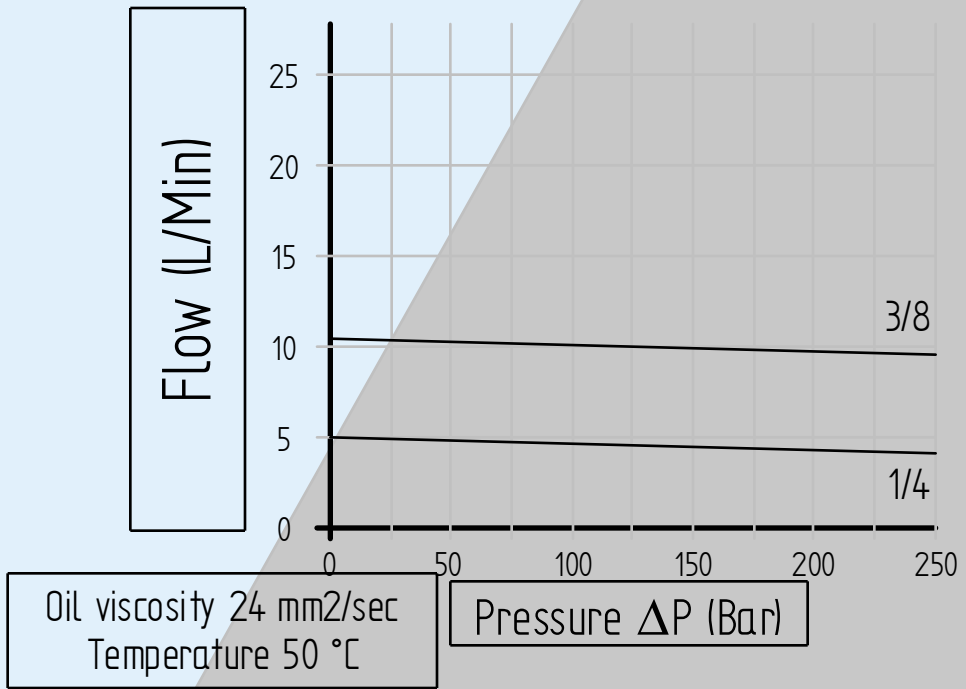
Codice di ordinazione
Ordering code

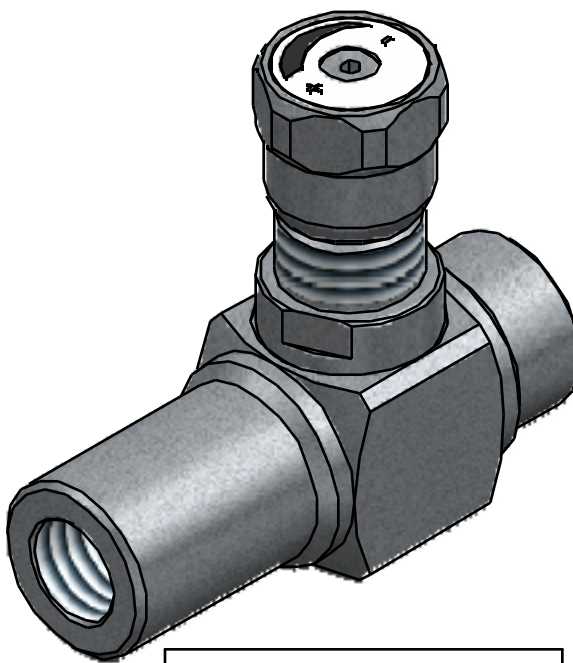
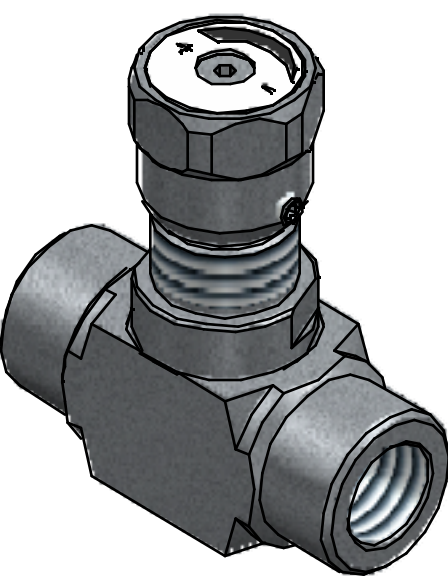
STUC - Option 1
G1/4
G3/8

Option 1	
Thread A1 - A2	
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas

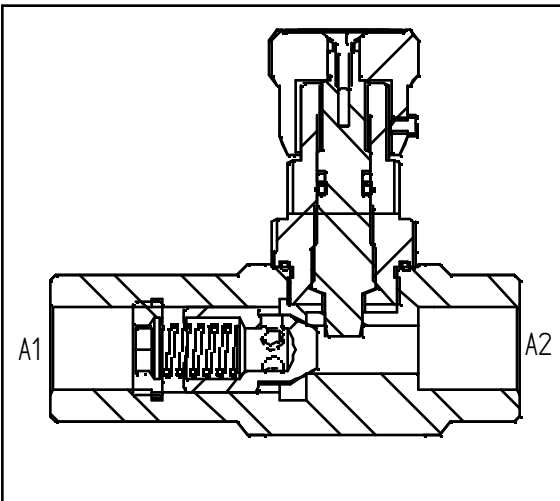
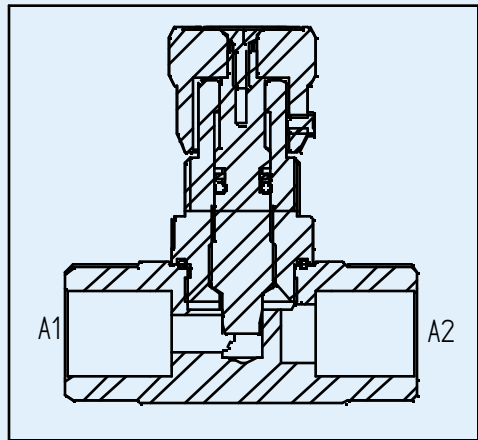
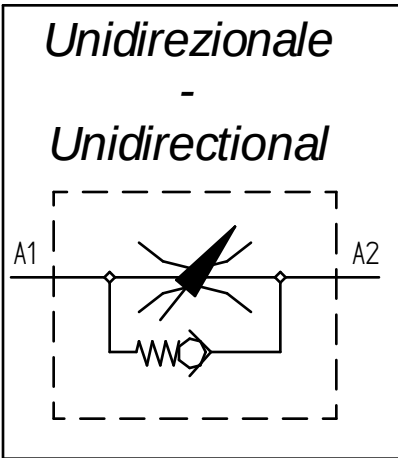
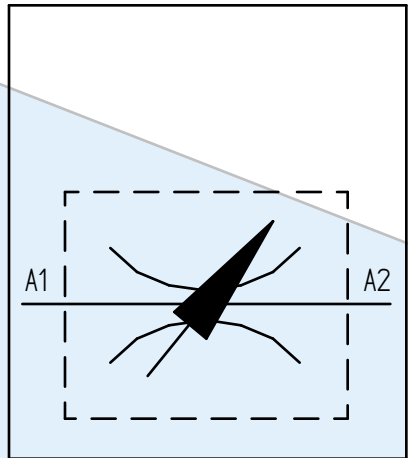


Perdite di carico
Pressure drops curve



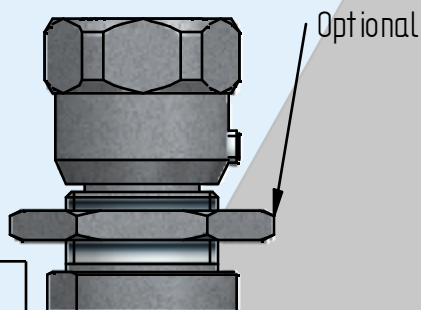
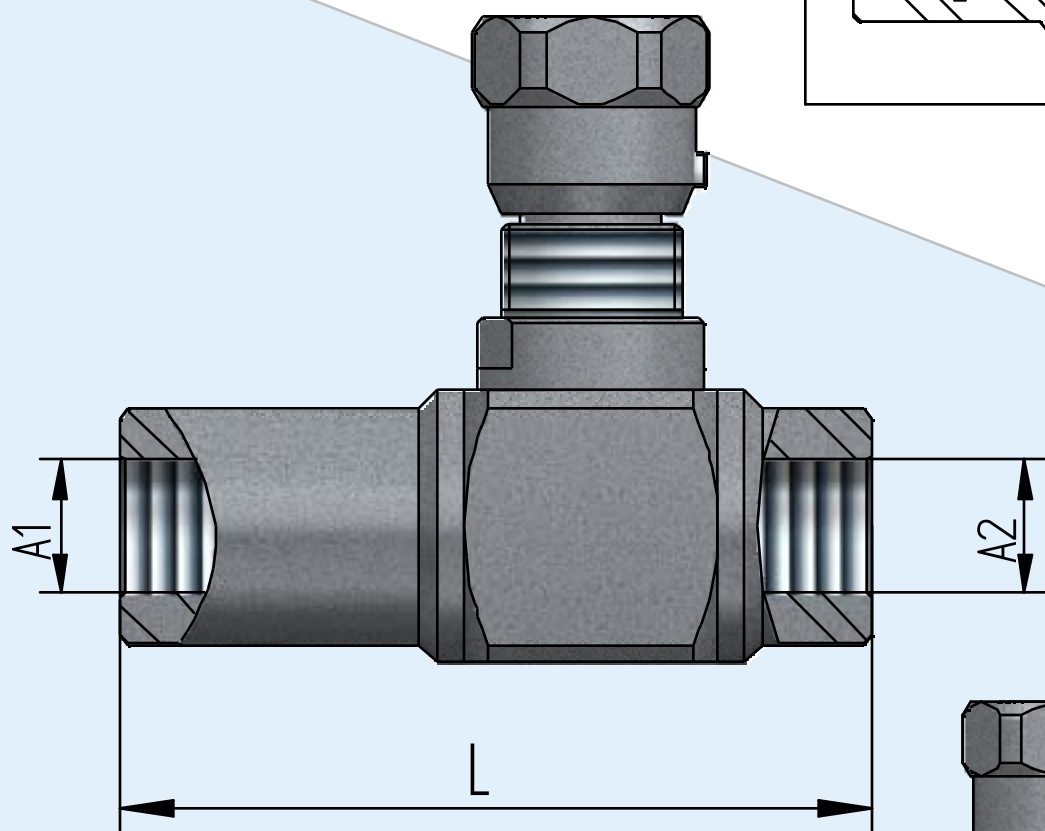
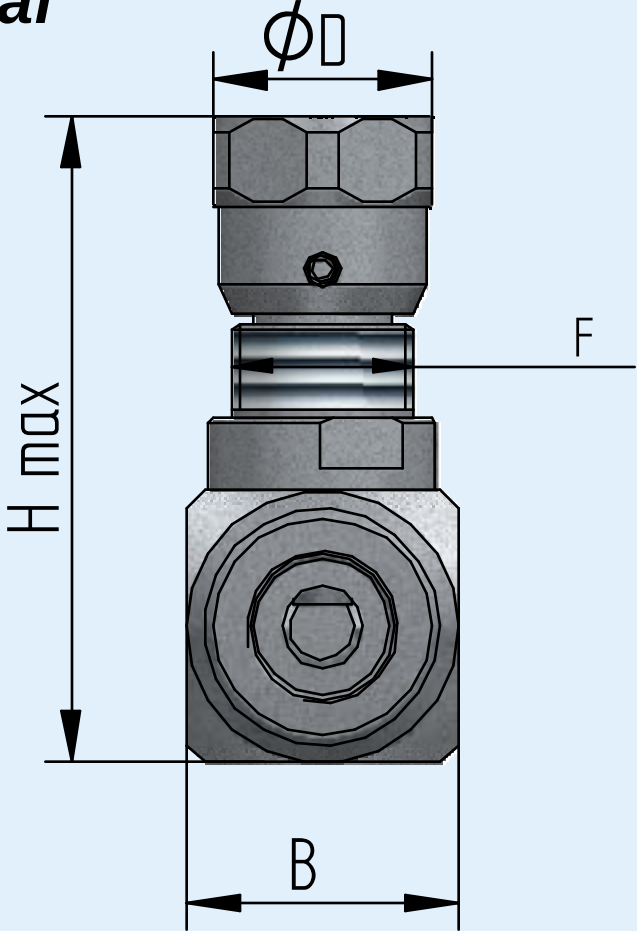
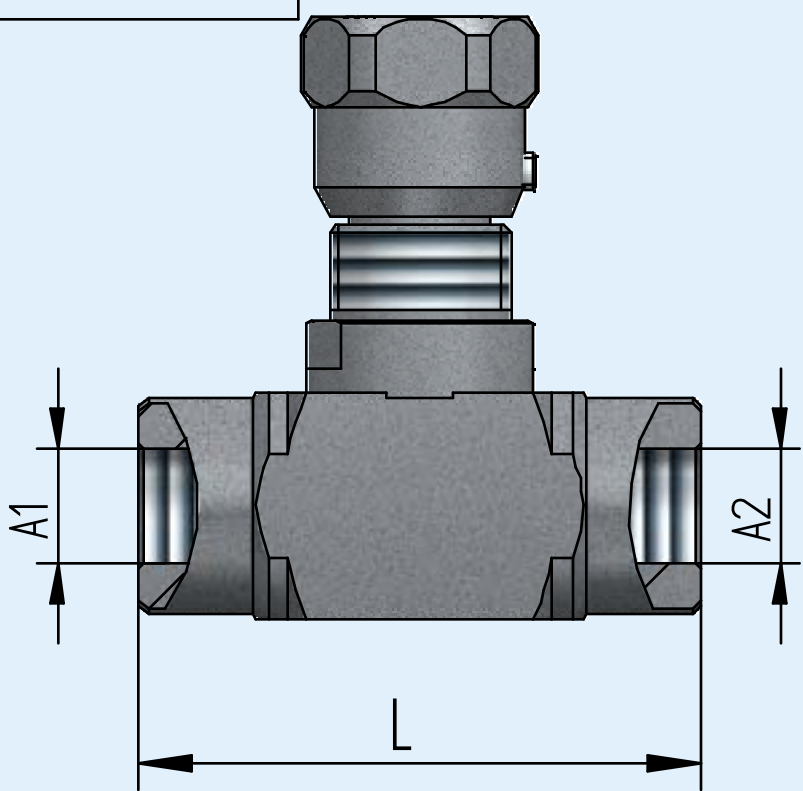


Descrizione <i>Description</i>	ST -G1/4		ST -G3/8		ST -G1/2		ST -G3/4		ST -G1"	
	B	U	B	U	B	U	B	U	B	U
Pressione massima - Max pressure Bar	350		350		350		350		350	
Portata - Flow Lt/min	15		30		50		90		140	
Peso - Weight Kg	0,34	0,38	0,33	0,50	0,45	0,55	1,20	1,43	1,43	1,80
A1 - A2	1/4 GAS		3/8 GAS		1/2 GAS		3/4 GAS		1" GAS	
L	62	74,5	62	83	62	90	91	118	100	136
B	25		25	30	30		40		45	
D	Ø 26		Ø 26		Ø 29		Ø 42		Ø 42	
H	80	75	80	80	88	83	116		122	
F	M20x1,5		M20x1,5		M20x1,5		M35x1,5		M35X1,5	
Materiale corpo - Body material	Acciaio galvanizzato - Galvanized steel									



Bidirezionale
-
Bidirectional

Unidirezionale
-
Unidirectional



Codice di ordinazione
Ordering code

ST

Option 1

B
U

Option 2

G1/4
G3/8
G1/2
G3/4
G1"

Option 1

B

Regolazione flusso bidirezionale
Bidirectional flow control

U

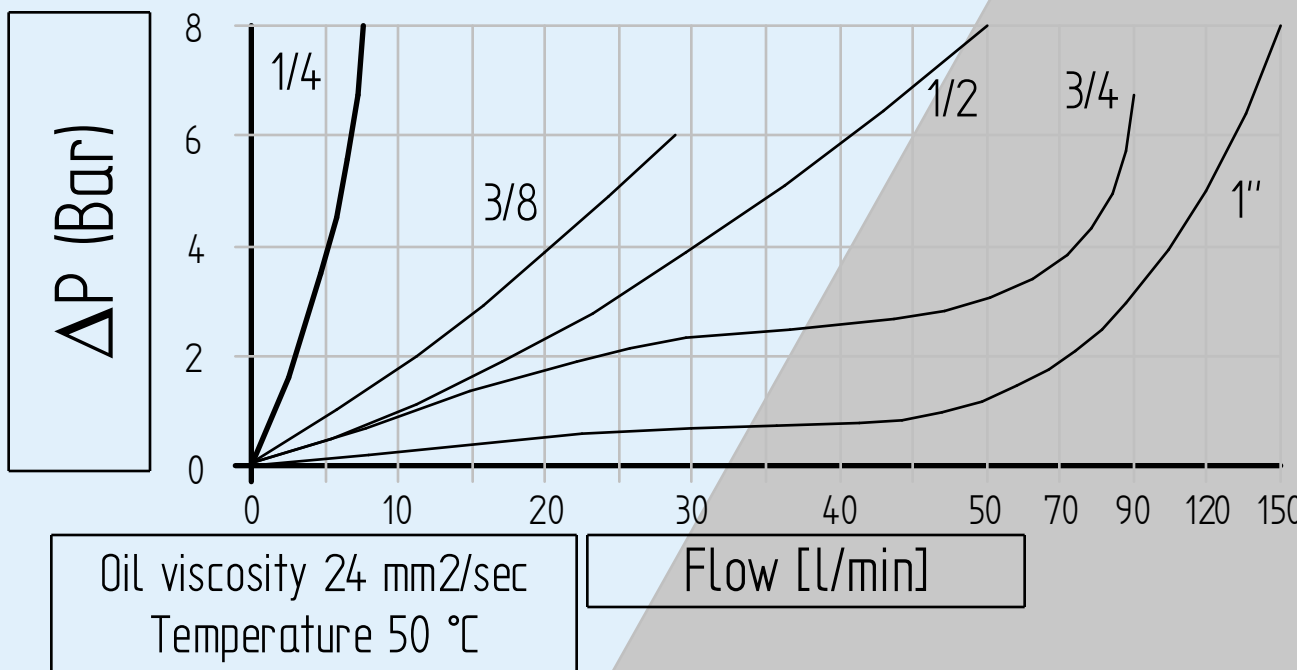
Regolazione flusso unidirezionale
Unidirectional flow control

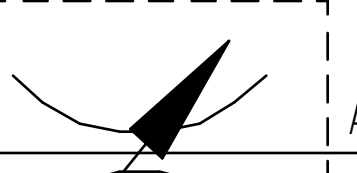
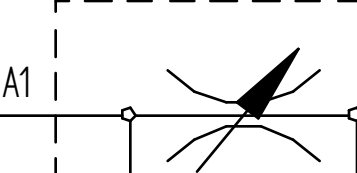
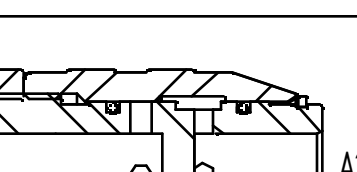
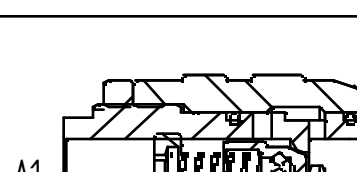
Option 2

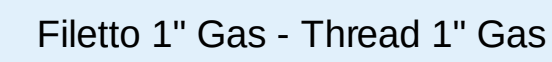
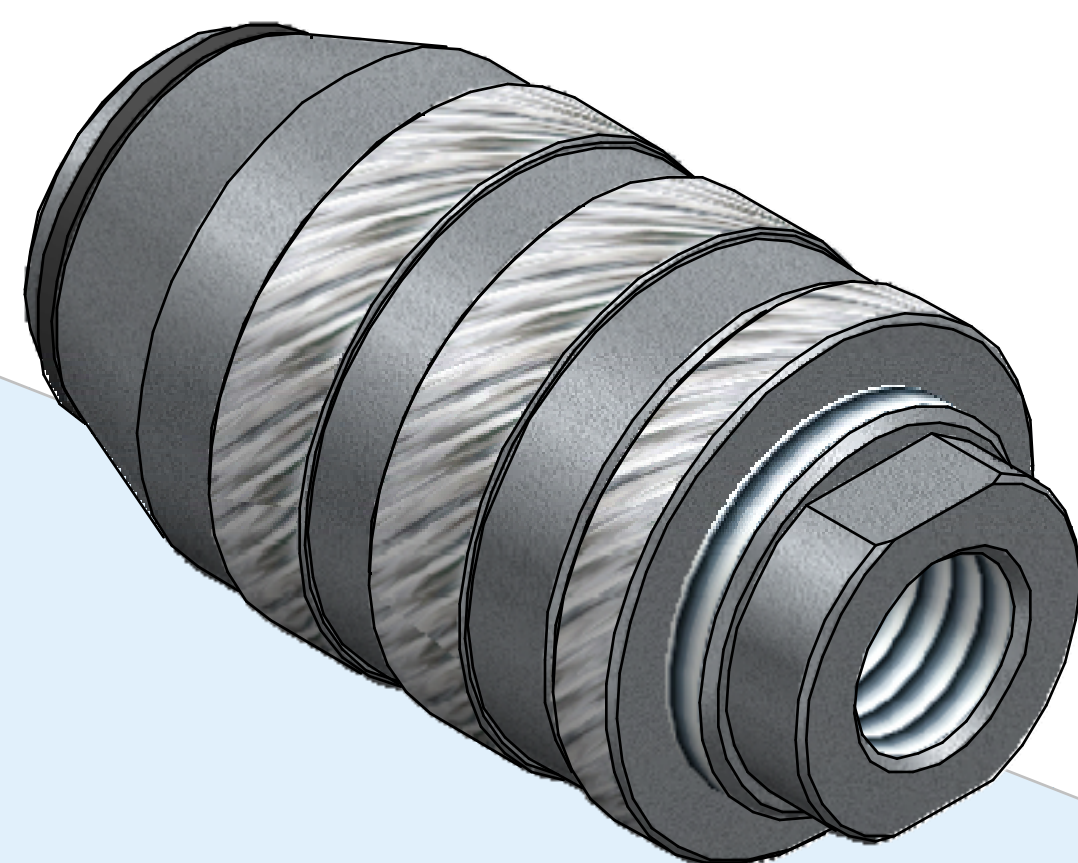
Thread A1 - A2

G1/4 Filetto 1/4 Gas - Thread 1/4 Gas
G3/8 Filetto 3/8 Gas - Thread 3/8 Gas
G1/2 Filetto 1/2 Gas - Thread 1/2 Gas
G3/4 Filetto 3/4 Gas - Thread 3/4 Gas
G1 Filetto 1" Gas - Thread 1" Gas

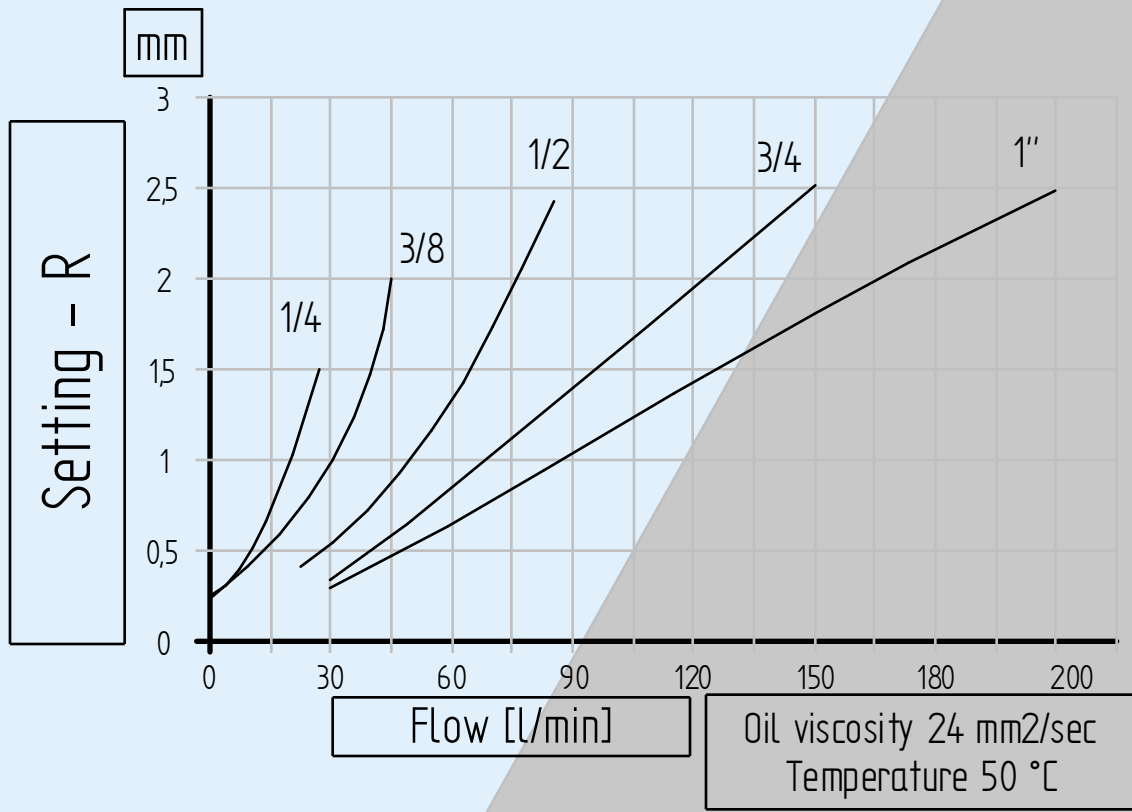
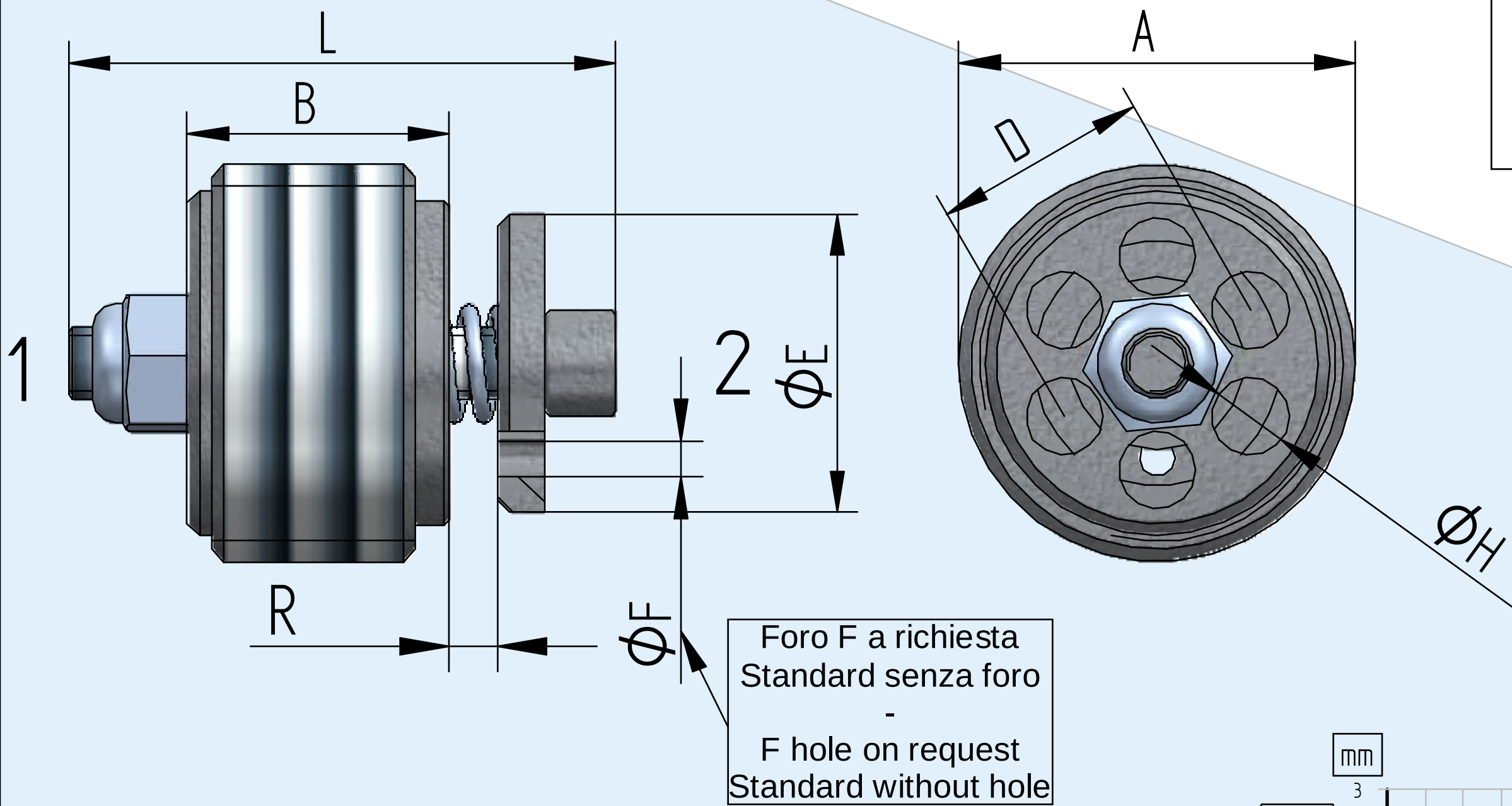
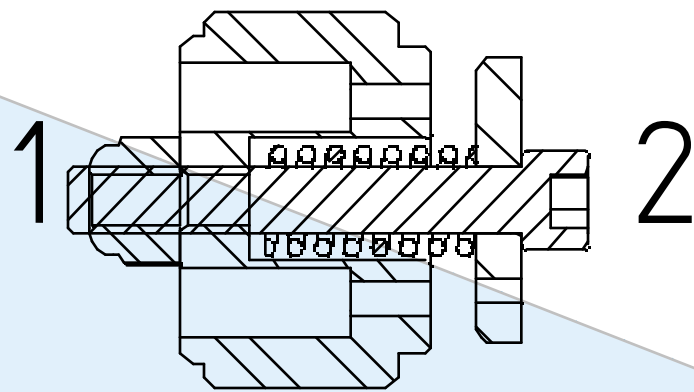
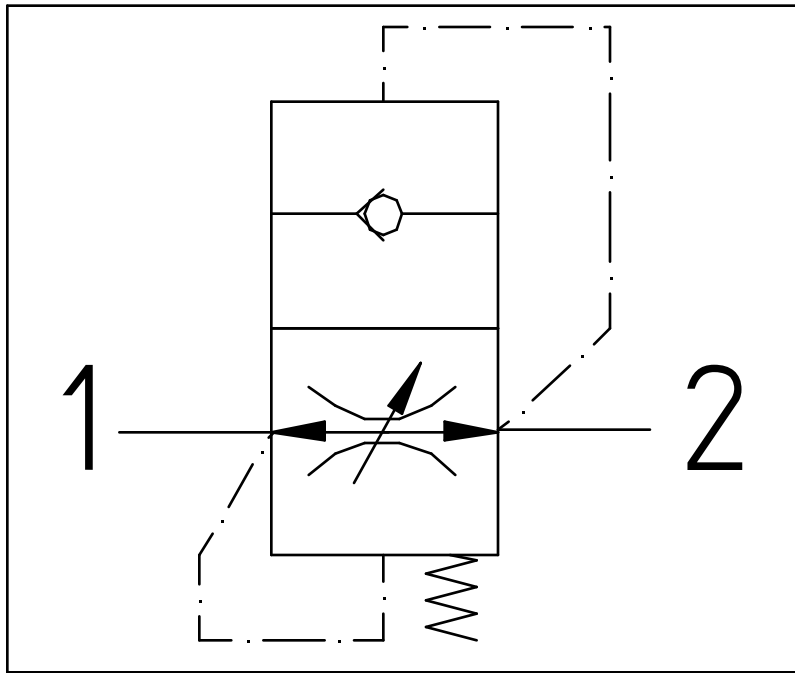
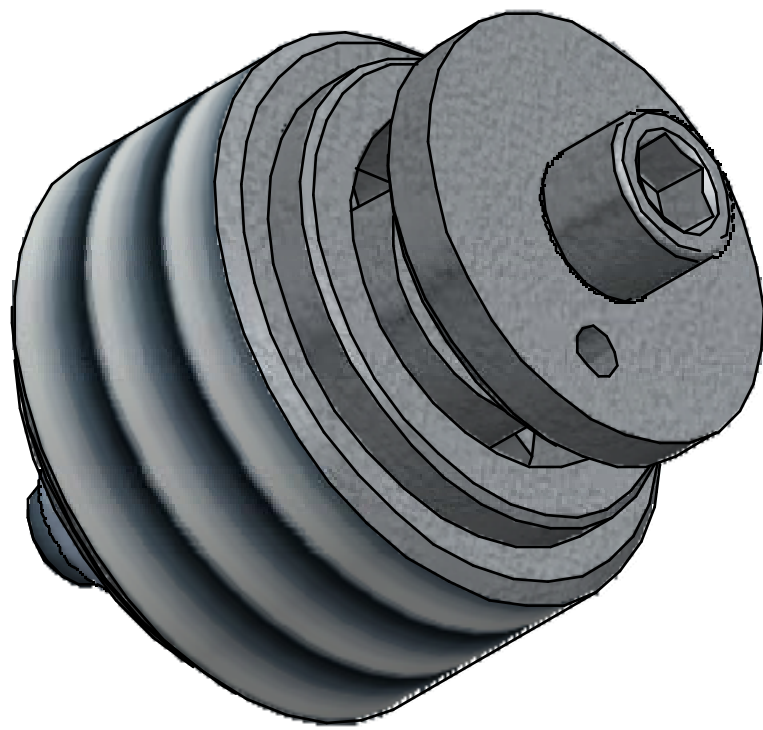
Perdite di carico
Pressure drops curve



<i>Bidirezionale</i> - <i>Bidirectional</i> 	<i>Unidirezionale</i> - <i>Unidirectional</i> 
	



Descrizione Description	VURP -G1/4	VURP -G3/8	VURP -G1/2	VURP -G3/4	VURP -G1
Pressione massima - Max pressure Bar	350	350	350	350	300
Portata - Flow Lt/min	25	50	80	150	200
Peso - Weight Kg	0,008	0,014	0,03	0,06	0,097
A	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS
L	21	23	29	34	40
B	8	10	13	18	20
E	Ø10	Ø12,7	Ø15,5	Ø18	Ø25
R Std.	0,9	1,5	2,3	2,5	3
D	Ø8	Ø10	Ø12	Ø15,5	Ø17
H	Ø2,5	Ø3,25	Ø4	Ø5,2	Ø7
Materiale corpo - Body material	Acciaio - Steel				



Codice di ordinazione - Ordering code

VURP -	Option 1	G1/4	R	Option 2	Misura della distanza R (mm) - Misure of R (mm)	F	Option 3	Dimensione del foro F (mm) - Dimension of hole F (mm)
		G3/8						
		G1/2						
		G3/4						
		G1						

Option 1 Thread A	
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas
G1	Filetto 1" Gas - Thread 1" Gas

Nel caso non si indicasse
l'Opzione2 e/o l'Opzione3,
sarà fornita in configurazione
standard.
-
If Option2 and/or Option3 are not
indicated,
standard configuration will be
considered.

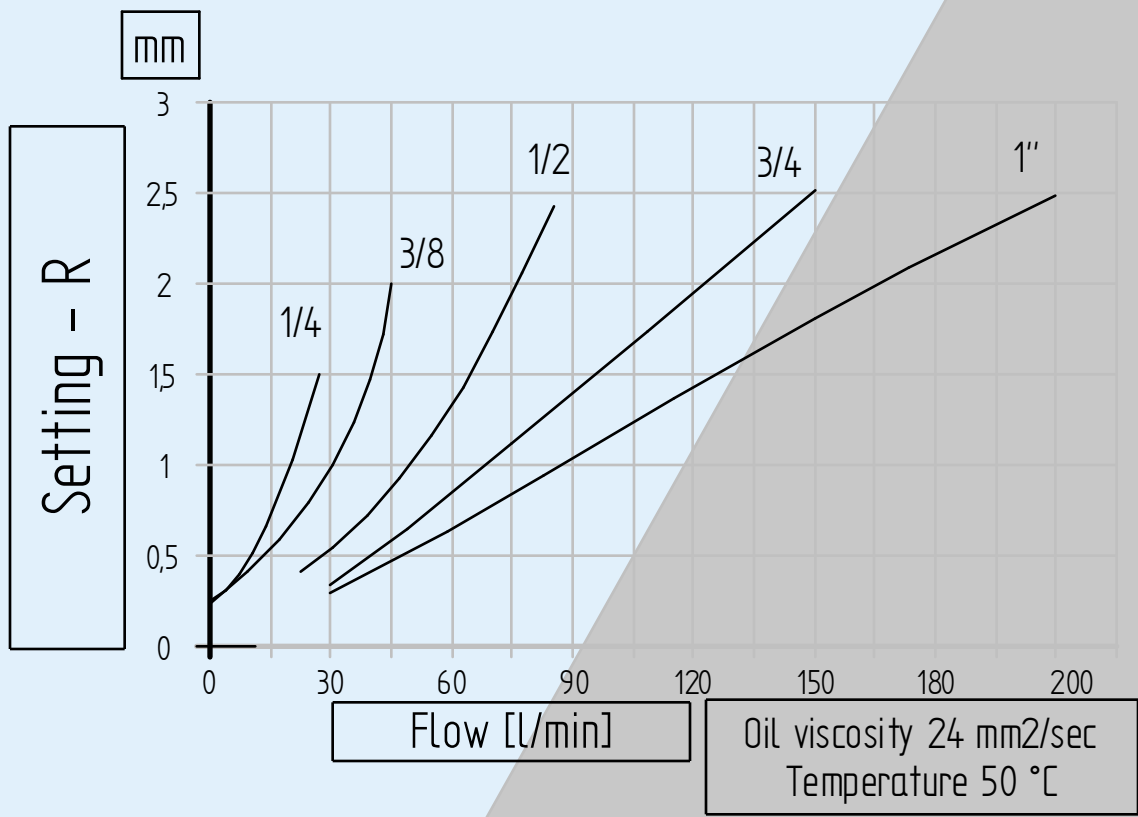
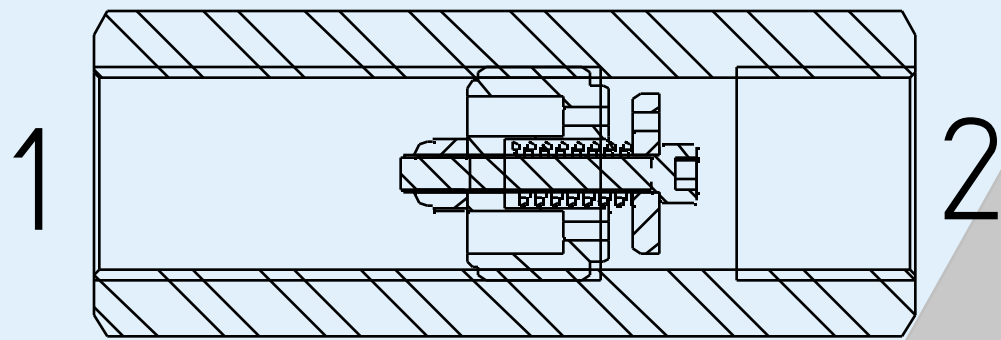
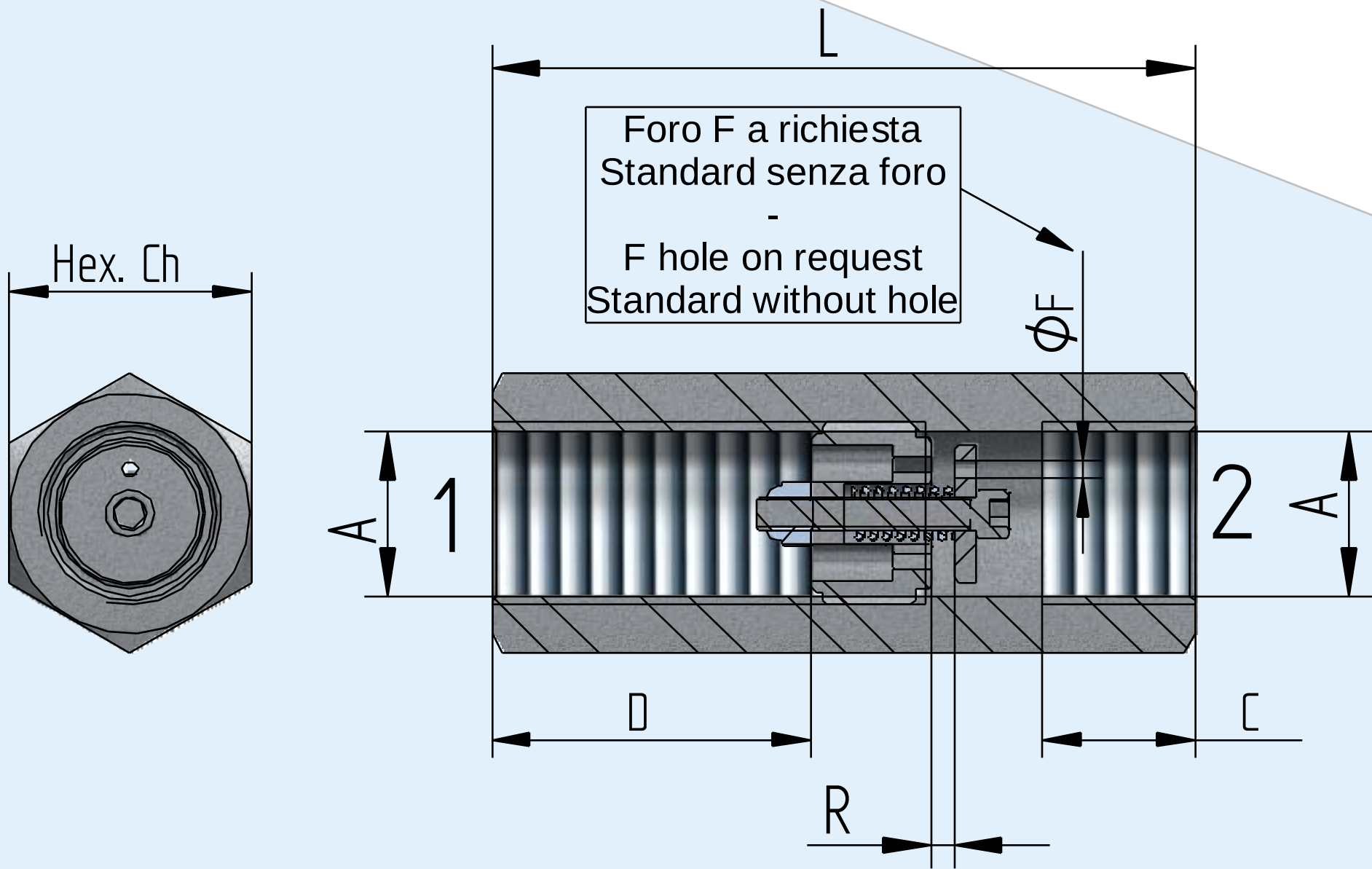
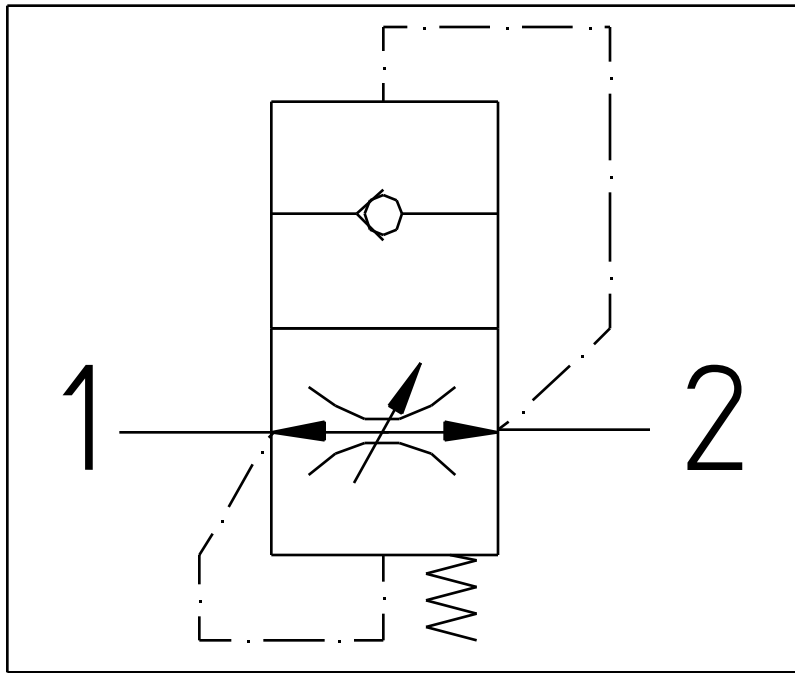
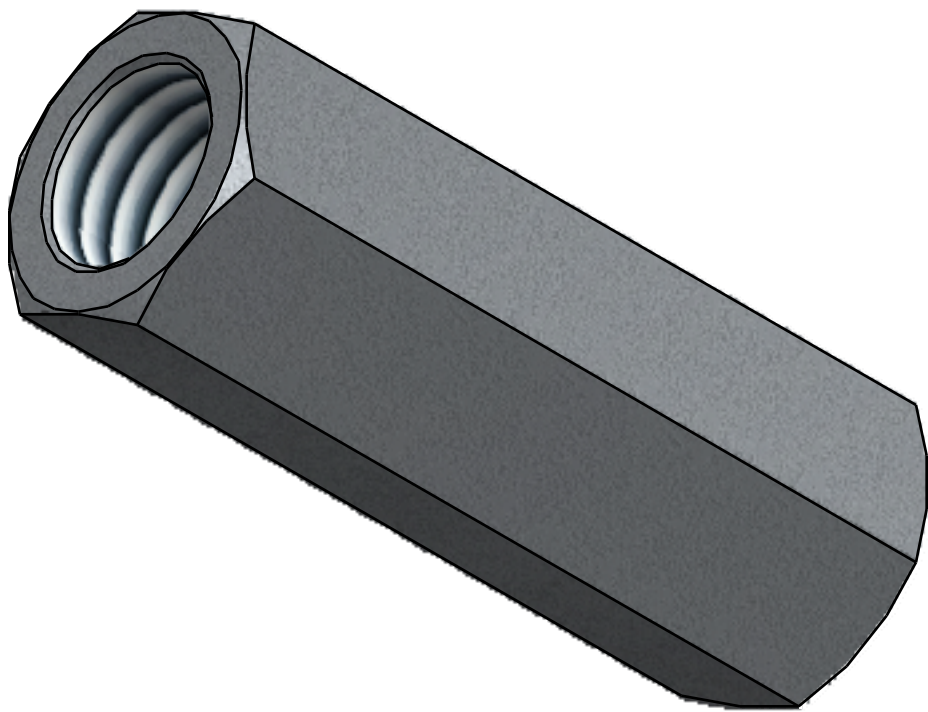
VURPFF

Steel body

Valvola di sicurezza unidirezionale
registrabile (paracadute) diretta
Direct hose brake valve



Descrizione Description	VURP -G1/4	VURP -G3/8	VURP -G1/2	VURP -G3/4	VURP -G1
Pressione massima - Max pressure Bar	350	350	350	350	300
Portata - Flow Lt/min	25	50	80	150	200
Peso - Weight Kg	0,008	0,014	0,03	0,06	0,097
A	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS
L	50	58	62	75	86
Hex. Ch	19	24	27	32	41
R Std.	0,9	1,5	2,3	2,5	3
D	19	23	22,5	23,5	23,5
C	14	17	18	21	20
Materiale corpo - Body material	Acciaio zincato - Galvanized Steel				



Codice di ordinazione - Ordering code

VURPFF-

Option 1

G1/4

G3/8

G1/2

G3/4

G1

R

Option 2

Misura della distanza R (mm)
-
Misure of R (mm)

F

Option 3

Dimensione del foro F (mm)
-
Dimension of hole F (mm)

Option 1

Thread A

G1/4	Filetto 1/4 Gas - Thread 1/4 Gas
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas
G1	Filetto 1" Gas - Thread 1" Gas

Nel caso non si indicasse l'Opzione2 e/o l'Opzione3, sarà fornita in configurazione standard.

If Option2 and/or Option3 are not indicated, standard configuration will be considered.

Dati tecnici indicativi e non impegnativi.
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VURC

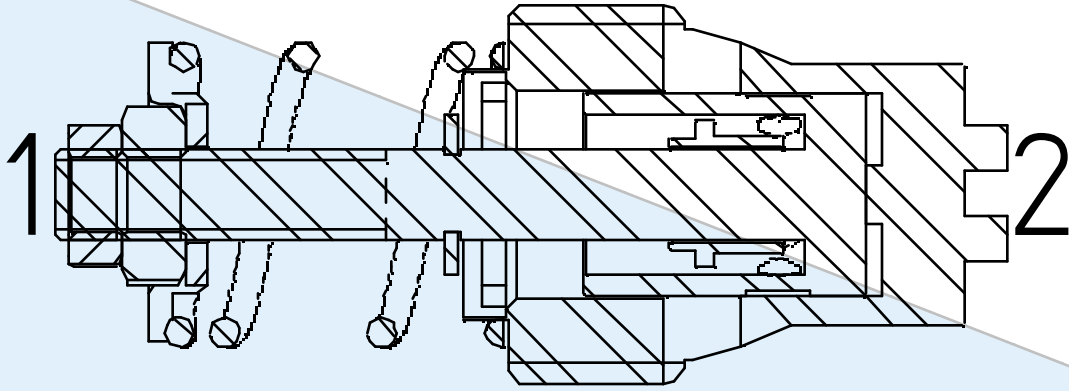
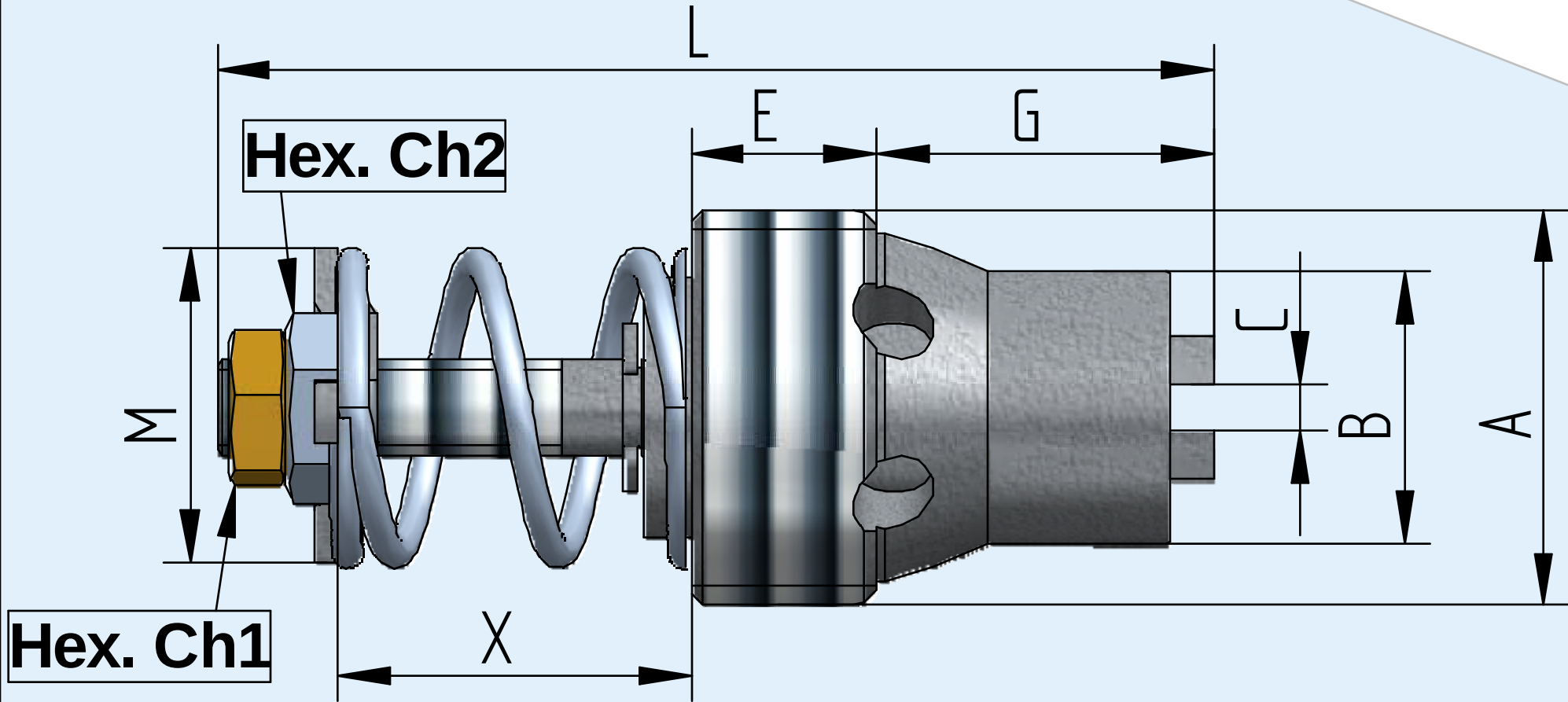
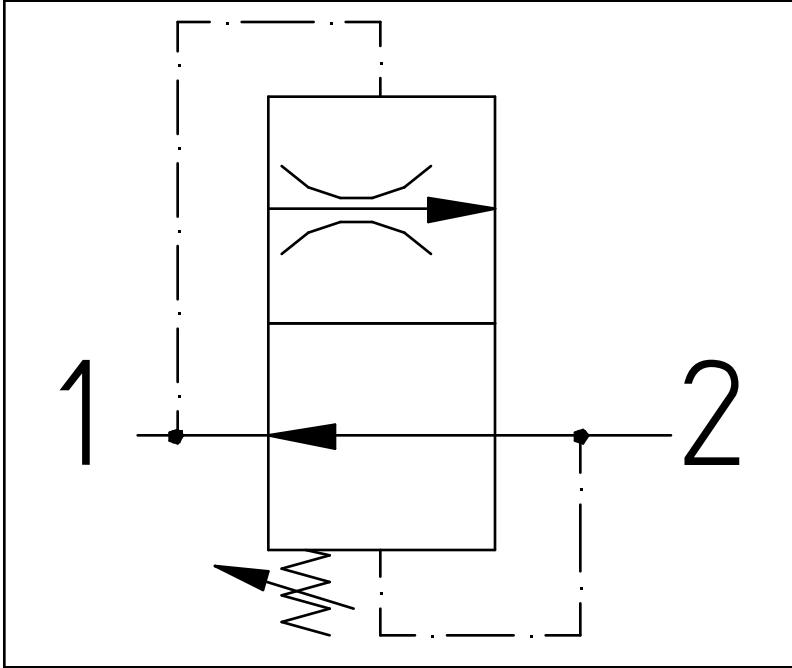
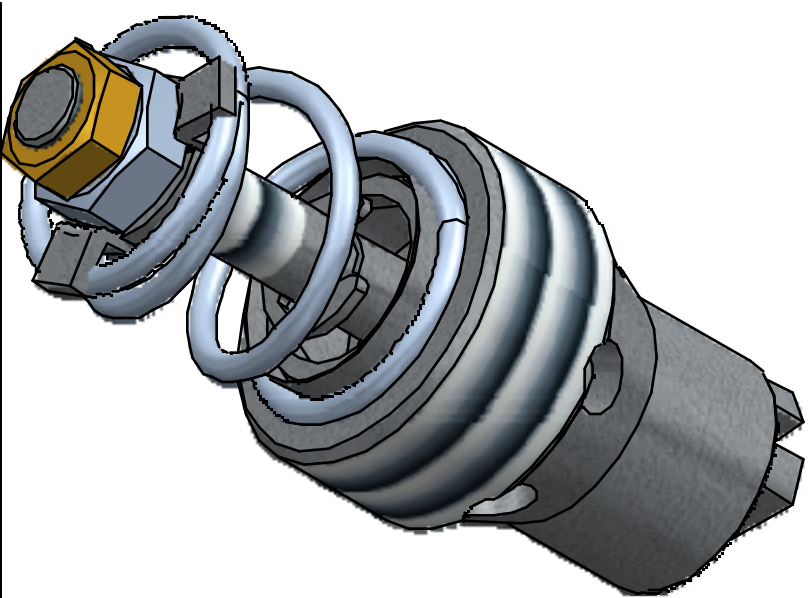
Steel body

Valvola di controllo discesa compensata
regolabile

Adjustable compensated load control valve

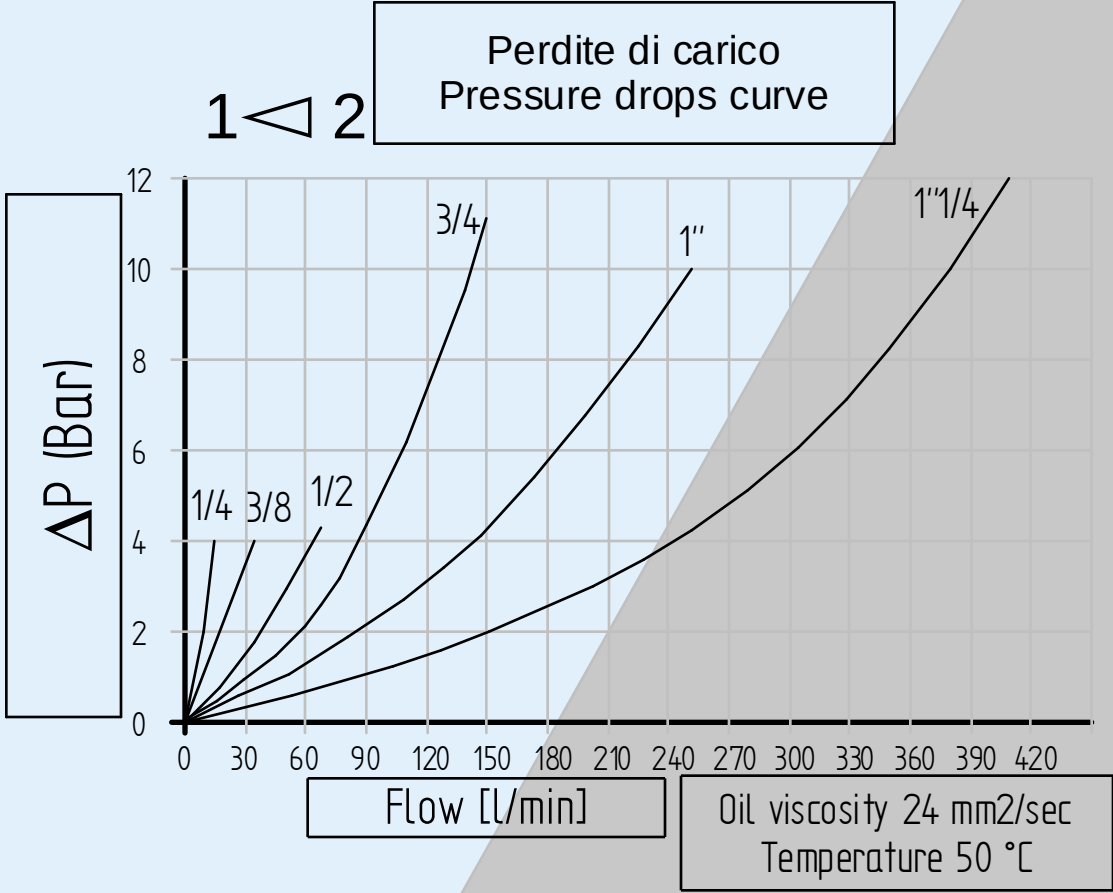


Descrizione Description	VURC -G1/4	VURC -G3/8	VURC -G1/2	VURC -G3/4	VURC -G1	VURC -G1,1/4
Pressione massima - Max pressure Bar	300	300	300	300	250	250
Portata - Flow Lt/min	15	35	65	150	250	400
Peso - Weight Kg	0,013	0,024	0,037	0,070	0,150	0,270
A	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS	1"1/4 GAS
L	39	45	51	62	82	95
φB	10	11,5	16	20	26	33
φM	10	14	18	23	28,5	35
C	1,5	2	2	2,5	2,5	2,5
E	6,5	7	7	9,5	15	20,5
G	13,5	15	16,5	21,5	25	31,5
Hex. Ch1	5,5	6	6	6	8	10
Hex. Ch2	5,5	7	7	7	8	10
Materiale corpo - Body material	Acciaio - Steel					



Codice di ordinazione - Ordering code					
VURC -	Option 1	G1/4	Option 2	A	Option 3 (Flow)
		G3/8		B	
		G1/2		C	
		G3/4		D	
		G1		E	
		G1-1/4		F	

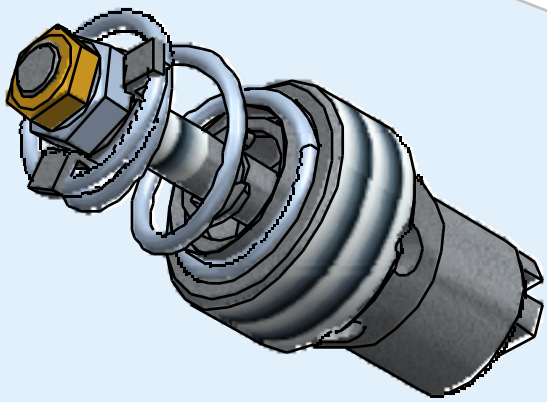
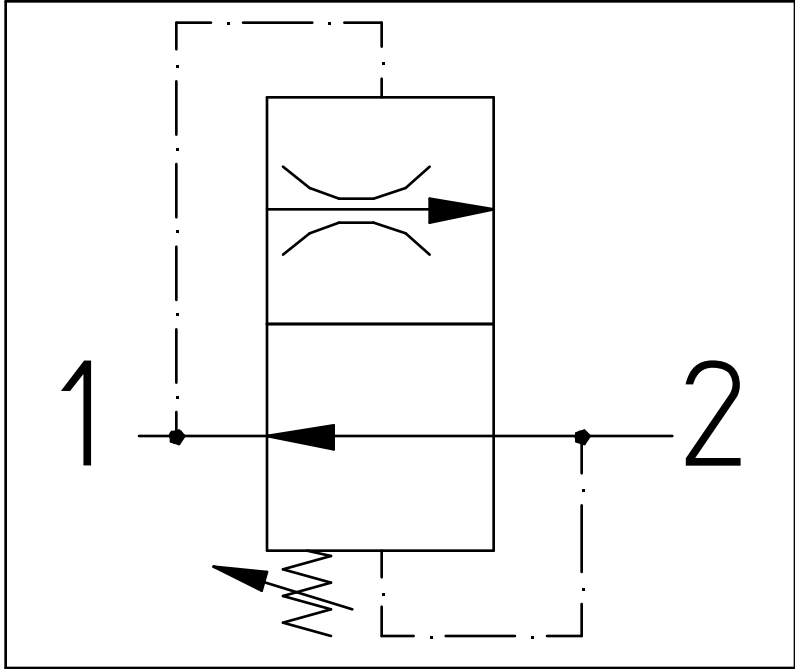
Option 1		Option 2		Option 3	
Thread A		Campo di regolazione - Pressure drops		Portata - Flow	
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas	A	Vedi tab.1 - See tab.1	Nel caso non si indicasse l'Opzione3, sarà fornita in configurazione standard. If Option3 are not indicated, standard configuration will be considered.	
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas	B	Vedi tab.1 - See tab.1		
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas	C	Vedi tab.1 - See tab.1		
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas	D	Vedi tab.1 - See tab.1		
G1	Filetto 1" Gas - Thread 1" Gas	E	Vedi tab.1 - See tab.1		
G1-1/4	Filetto 1" 1/4 Gas - Thread 1" 1/4 Gas	F	Vedi tab.1 - See tab.1		



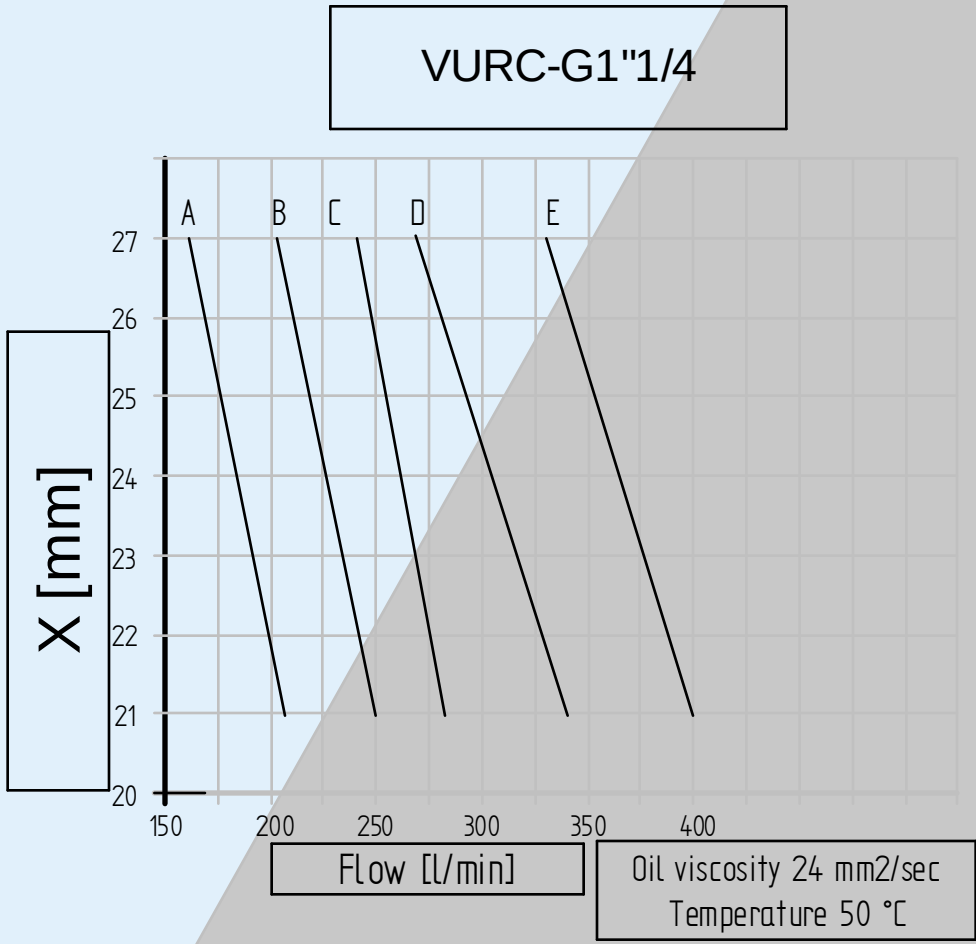
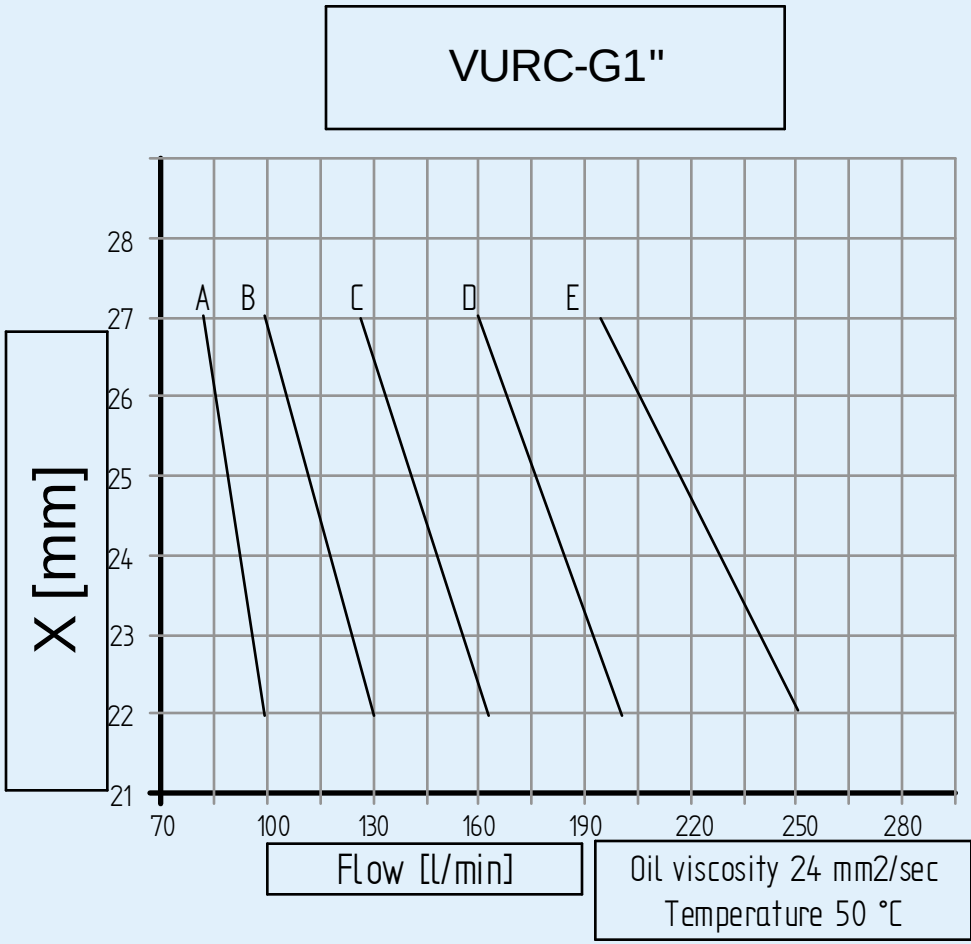
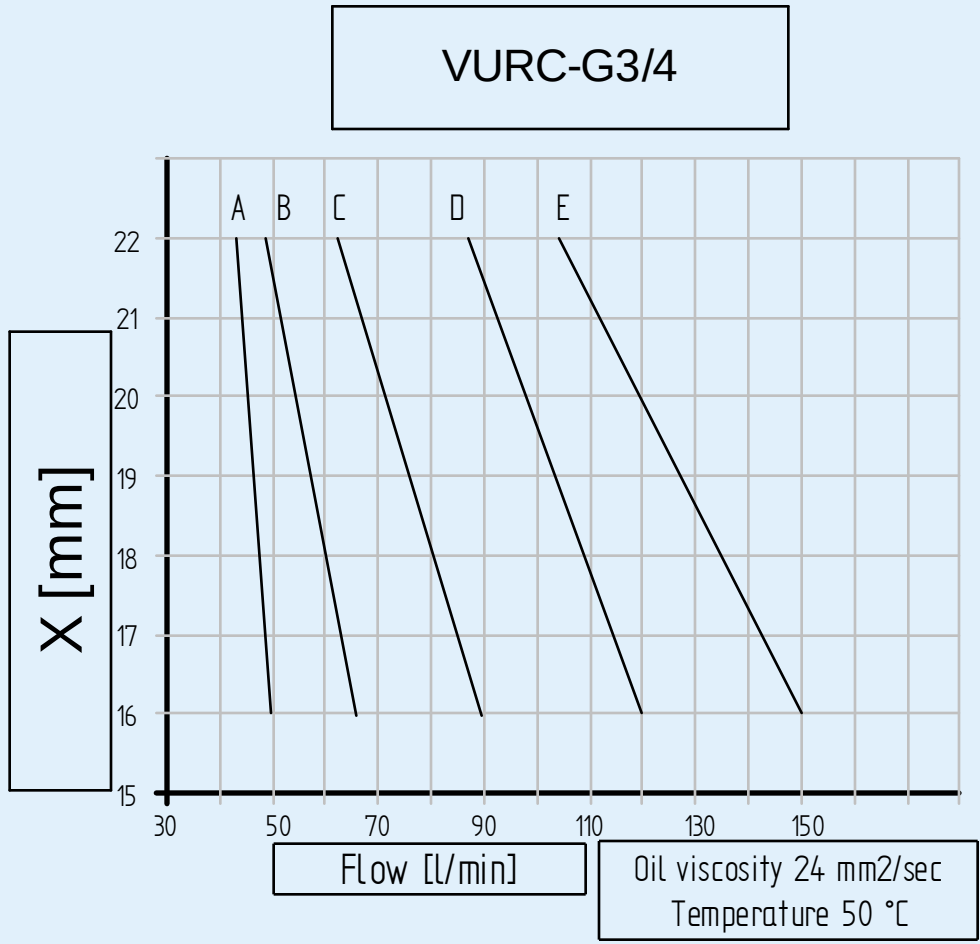
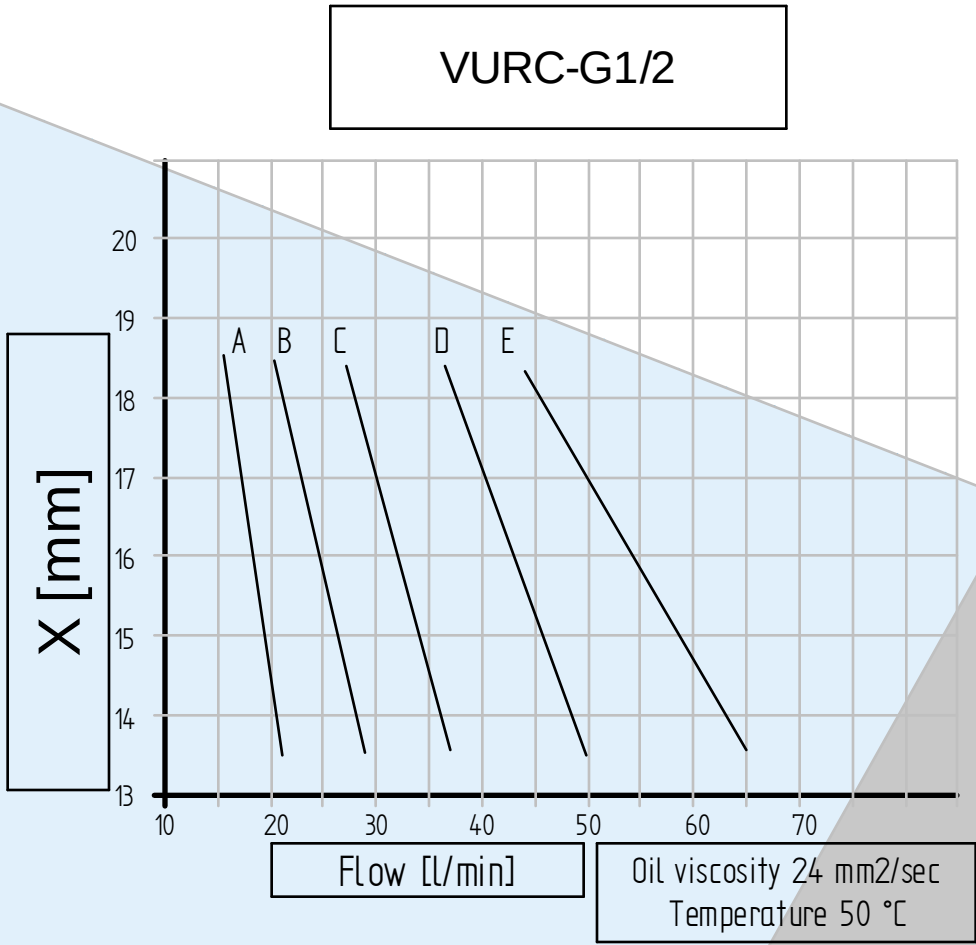
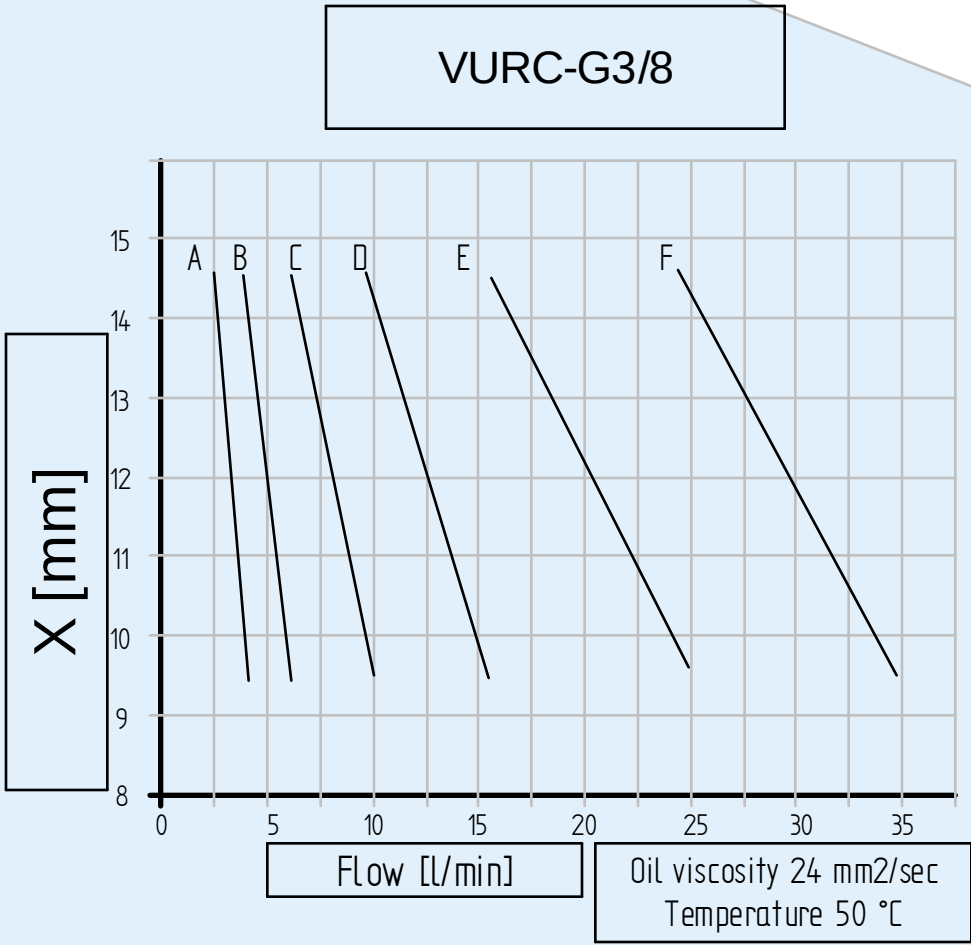
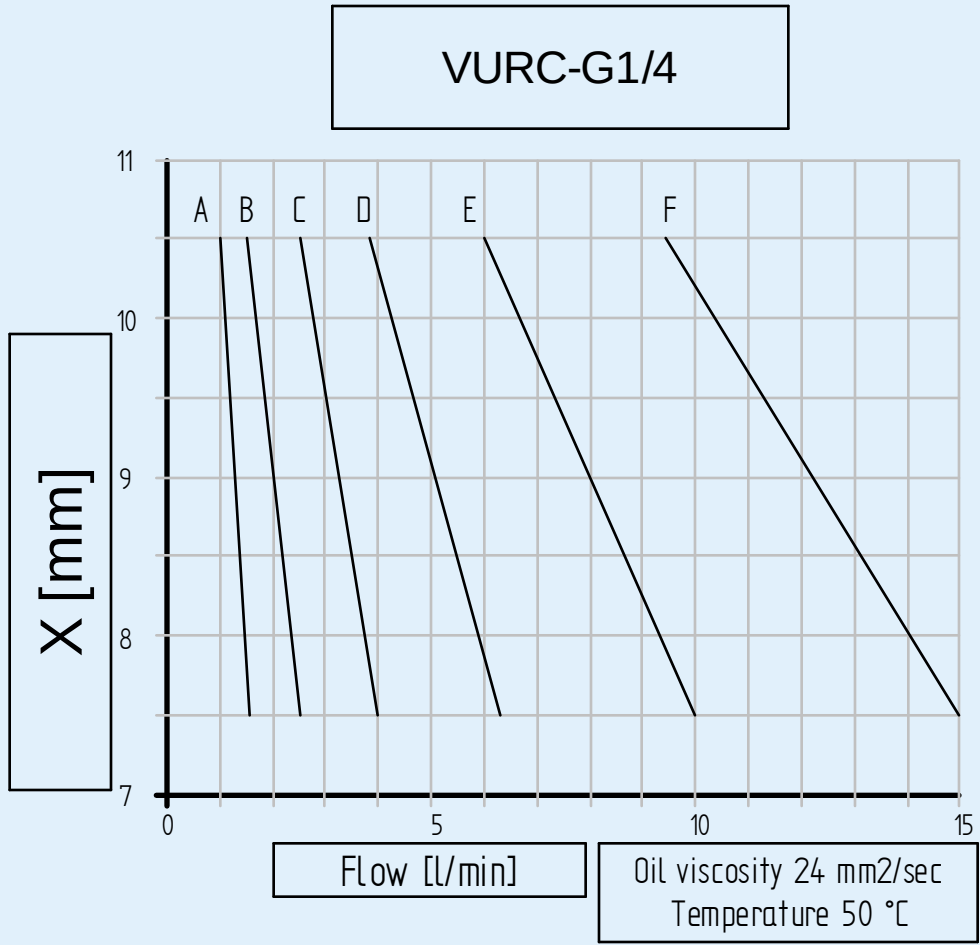
Dati tecnici indicativi e non impegnativi.
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Technical data not binding. Modifications reserved without prior notice.



Campo di regolazione Range of flow Lt/min	VURC -G1/4	VURC -G3/8	VURC -G1/2	VURC -G3/4	VURC -G1	VURC -G1,1/4
A	1-1,6	2,5-4	16-21	37-50	80-100	160-210
B	1,5-2,5	3,8-6,3	20,5-28	48-65	100-130	205-250
C	2,4-4	6,1-10	27,5-37	63-90	128-162	245-280
D	3,9-6,3	9,8-16	36,5-50	88-120	160-200	270-340
E	6,2-10	15,8-25	48-65	115-150	195-250	330-400
F	9,5-15	24,5-35	/	/	/	/



REGOLAZIONE DI "X" - SETTING OF "X"



VURCFF

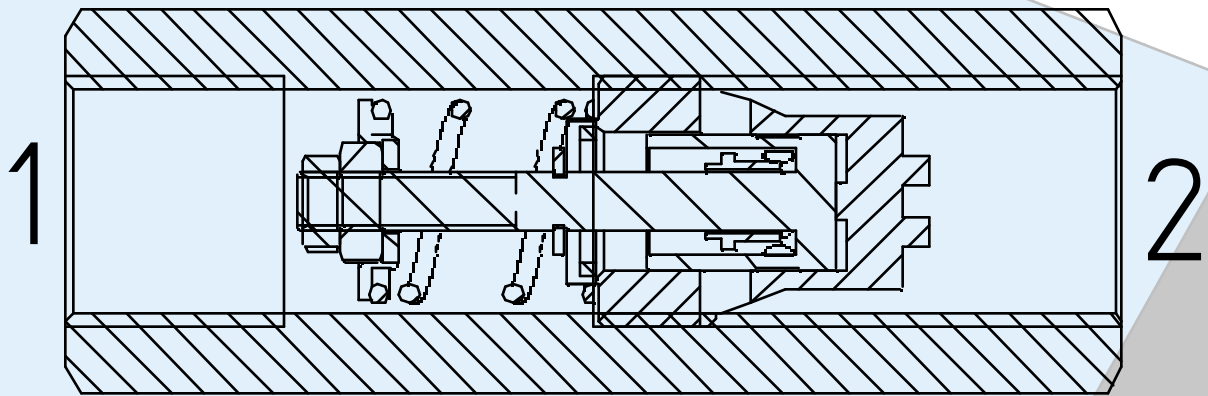
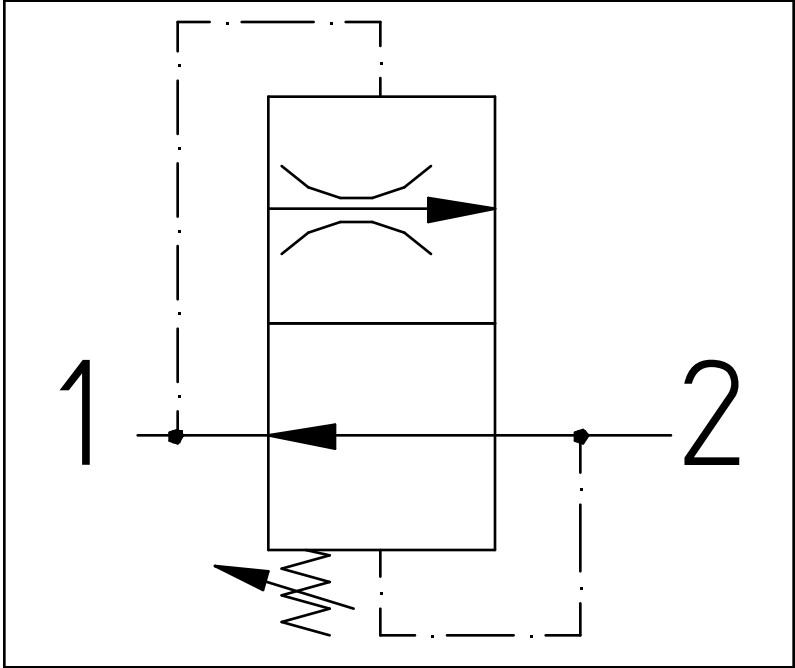
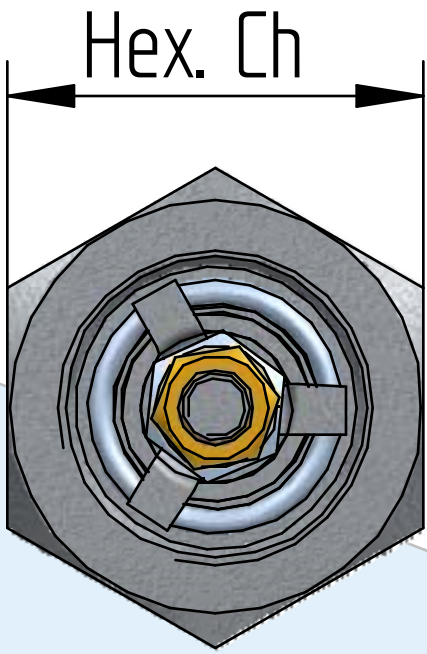
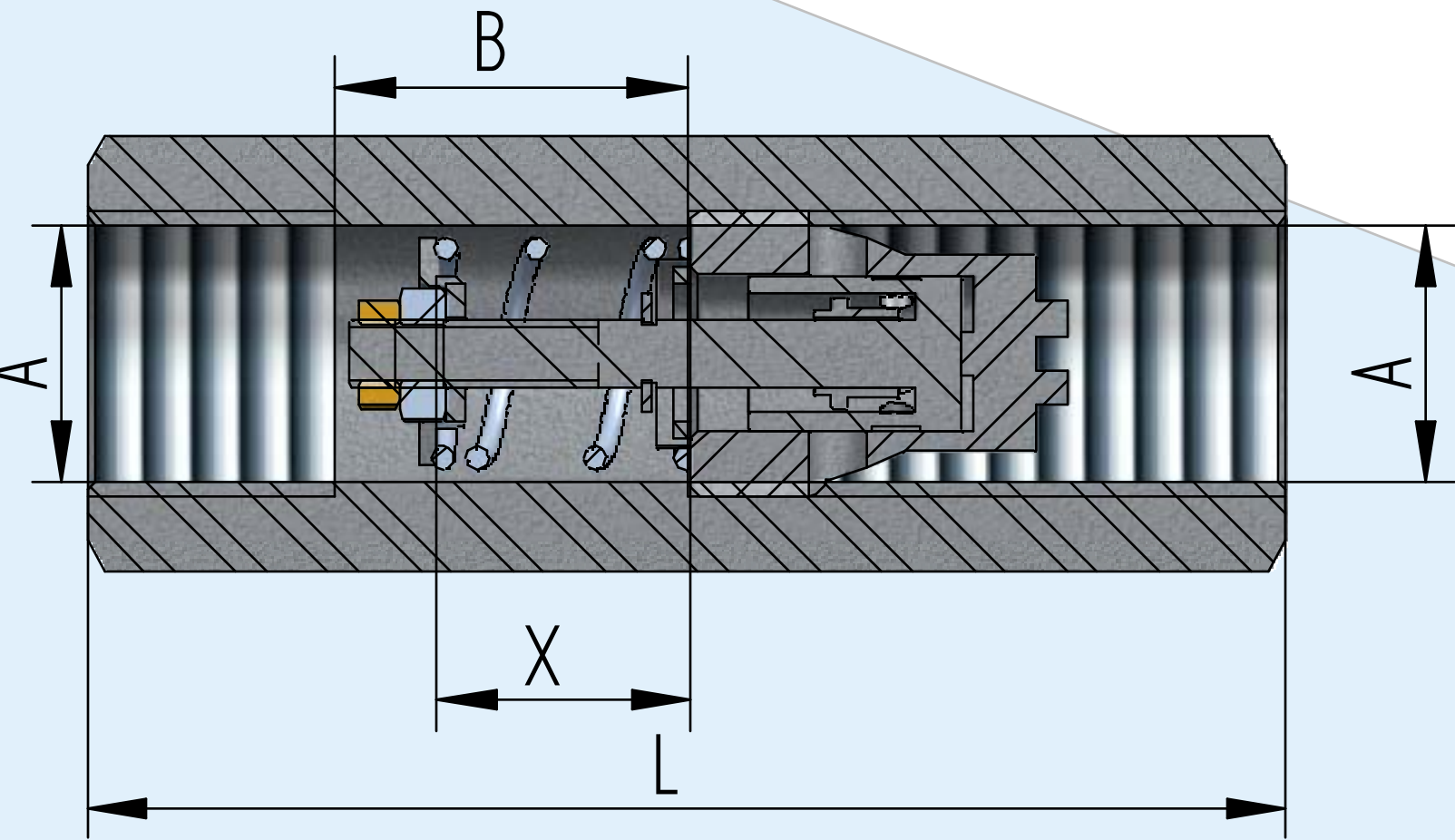
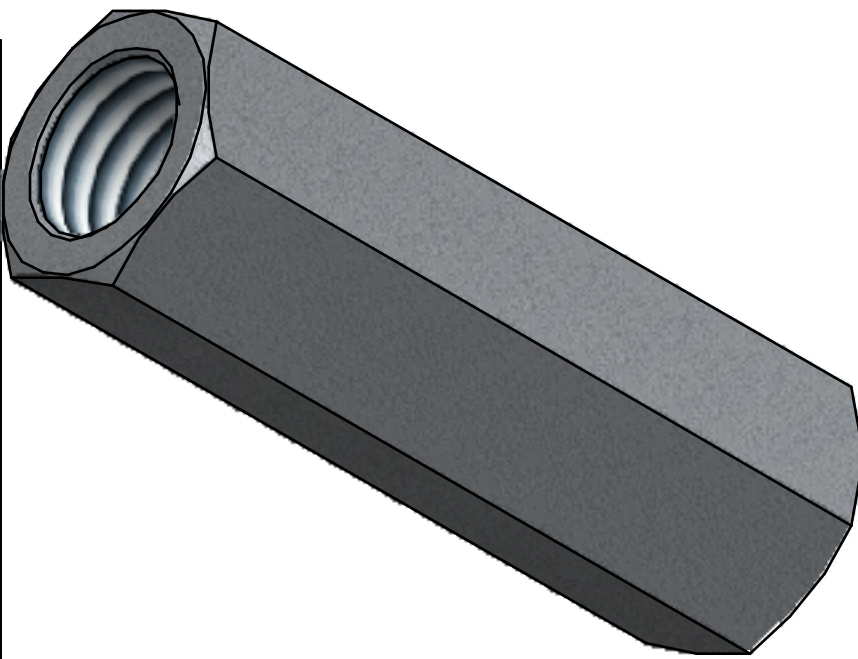
Steel body

Valvola di controllo discesa compensata
regolabile diretta

Direct adjustable compensated load control valve

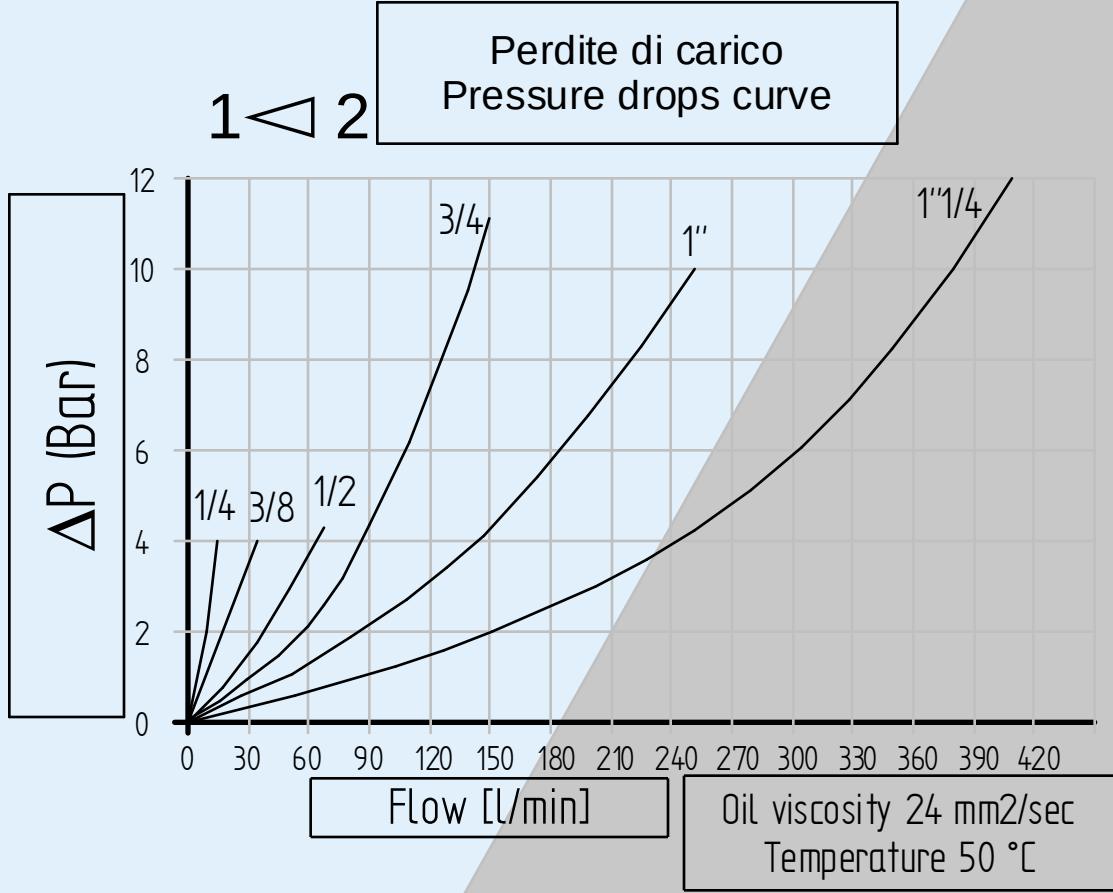


Descrizione Description	VURC -G1/4	VURC -G3/8	VURC -G1/2	VURC -G3/4	VURC -G1	VURC -G1,1/4
Pressione massima - Max pressure Bar	300	300	300	300	250	250
Portata - Flow Lt/min	15	35	65	150	250	400
Peso - Weight Kg	0,123	0,144	0,237	0,360	0,82	1,310
A	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS	1"1/4 GAS
L	66	70	80	100	125	145
B (min.)	20	24	29	32	43	44
Hex. Ch	19	25	28	35	41	50
Materiale corpo - Body material	Acciaio zincato - Galvanized steel					



Codice di ordinazione - Ordering code					
VURC -	Option 1	G1/4	Option 2	A	Option 3 (Flow)
		G3/8		B	
		G1/2		C	
		G3/4		D	
		G1		E	
		G1-1/4		F	

Option 1		Option 2		Option 3	
Thread A		Campo di regolazione - Pressure drops		Portata - Flow	
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas	A	Vedi tab.1 - See tab.1	Nel caso non si indicasse l'Opzione3, sarà fornita in configurazione standard. - If Option3 are not indicated, standard configuration will be considered.	
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas	B	Vedi tab.1 - See tab.1		
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas	C	Vedi tab.1 - See tab.1		
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas	D	Vedi tab.1 - See tab.1		
G1	Filetto 1" Gas - Thread 1" Gas	E	Vedi tab.1 - See tab.1		
G1-1/4	Filetto 1" 1/4 Gas - Thread 1" 1/4 Gas	F	Vedi tab.1 - See tab.1		

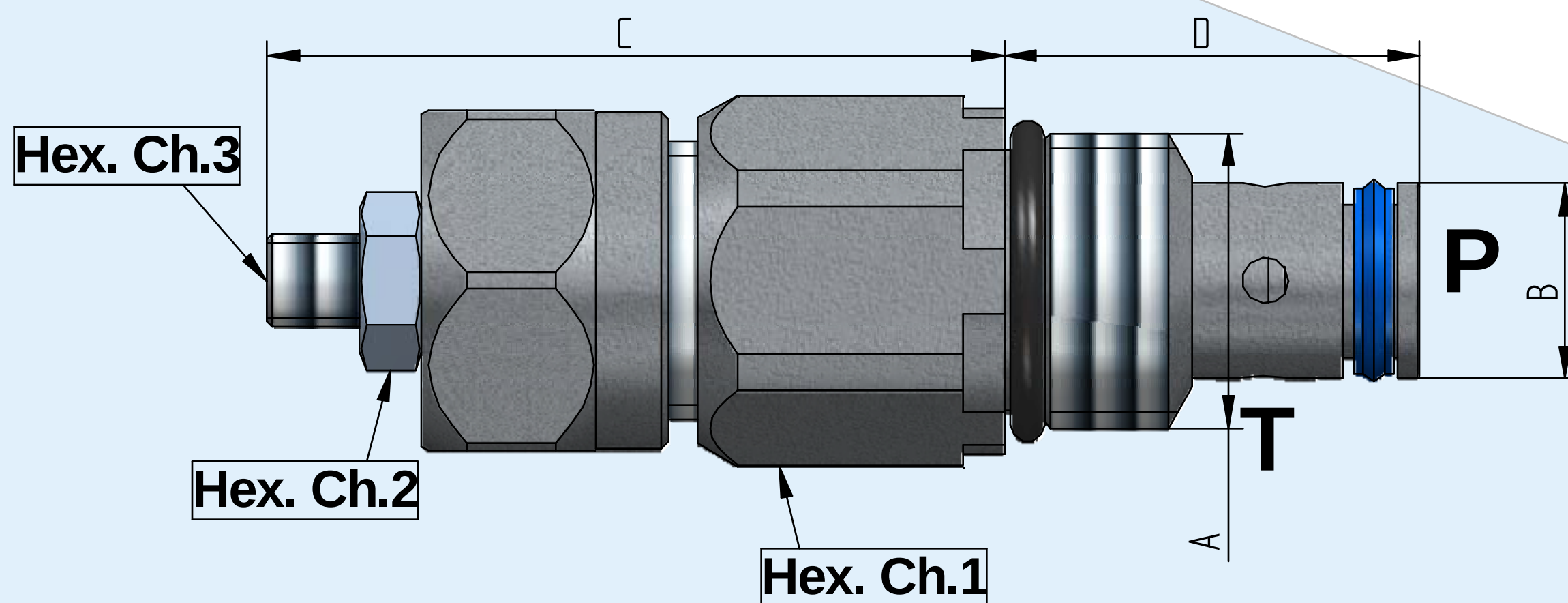
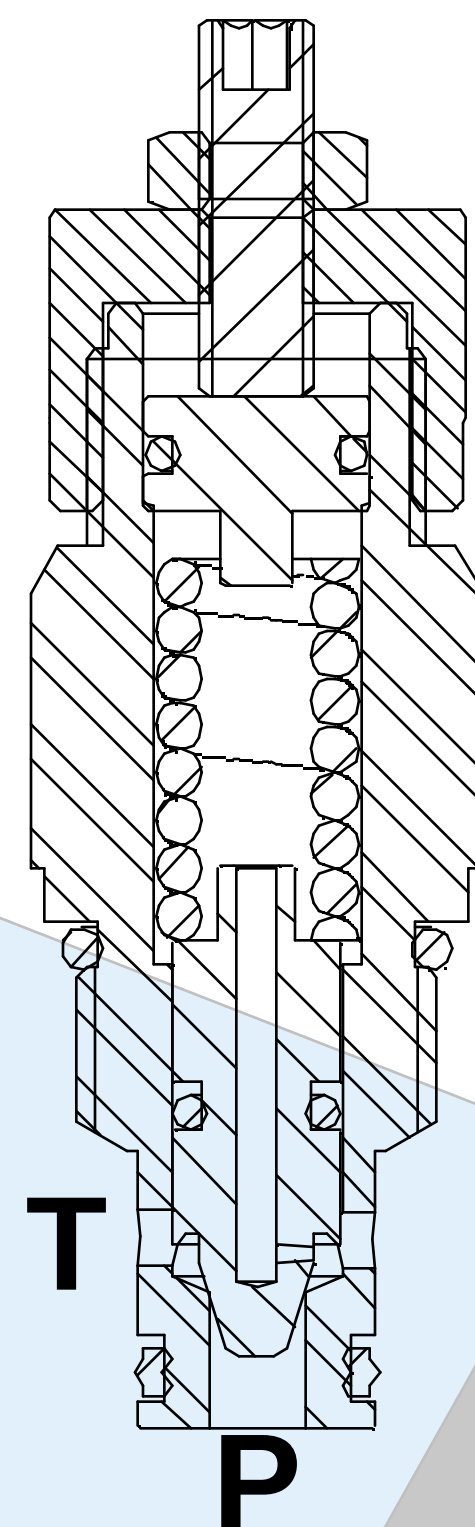
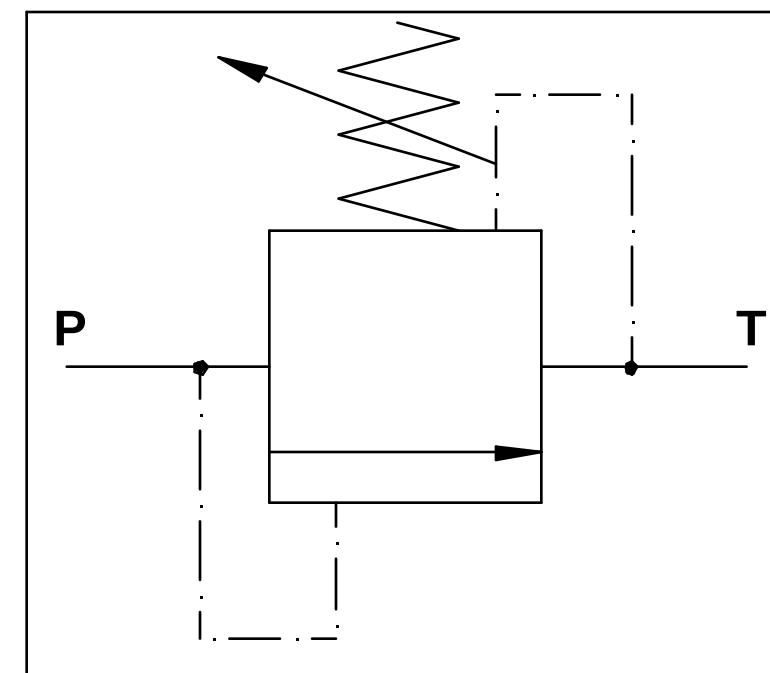


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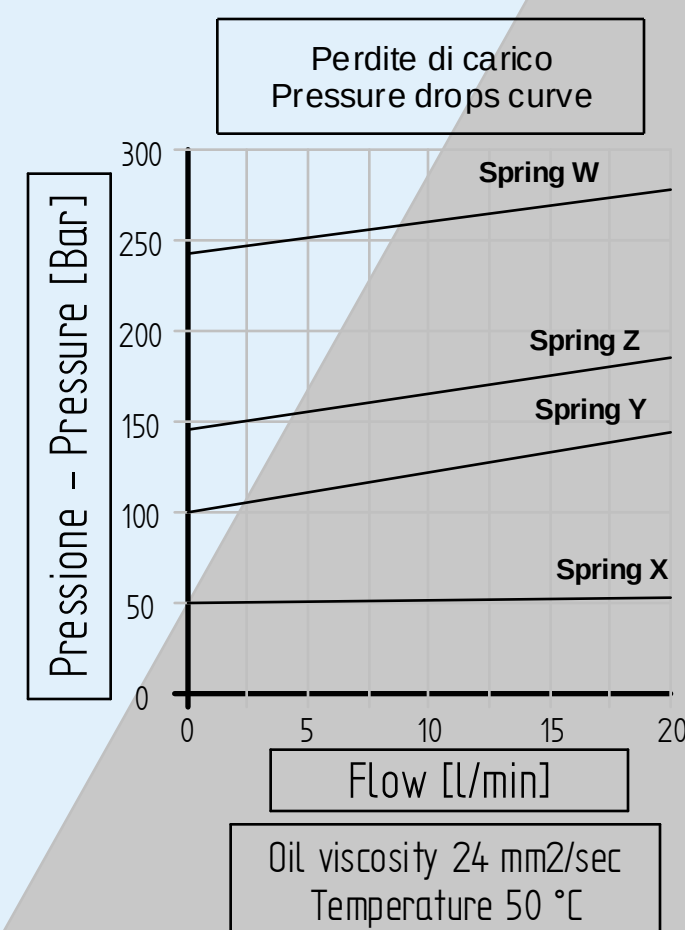
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Direct acting cartridge style relief valve



Option 2		
Molla - Spring		
	Campo di taratura Range (Bar)	Incremento Pressure increase (bar/tum)
X	05-50	15
Y	30-100	60
Z	50-210	65
W	100-350	100

[illegible]

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VMC30

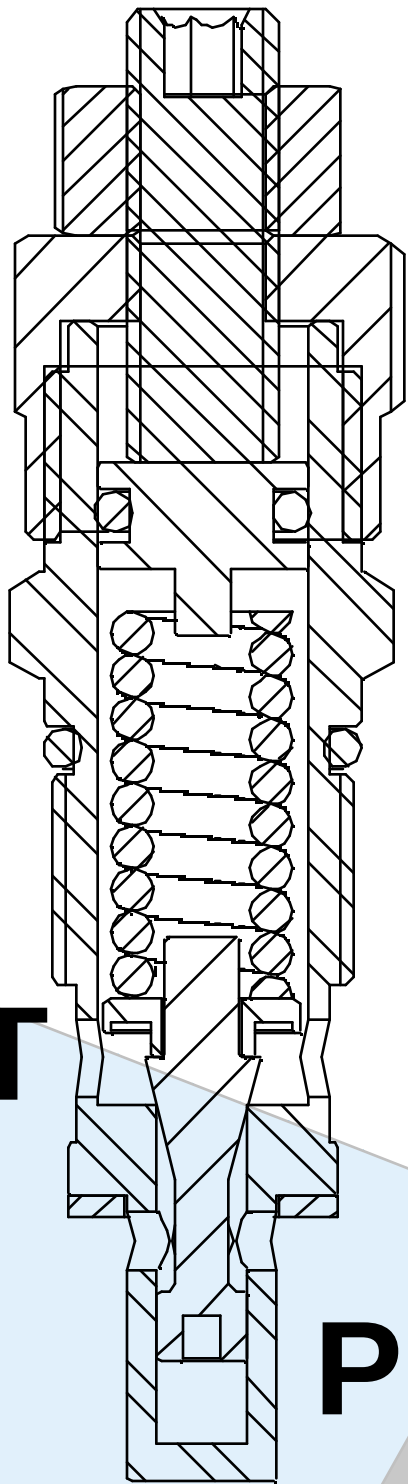
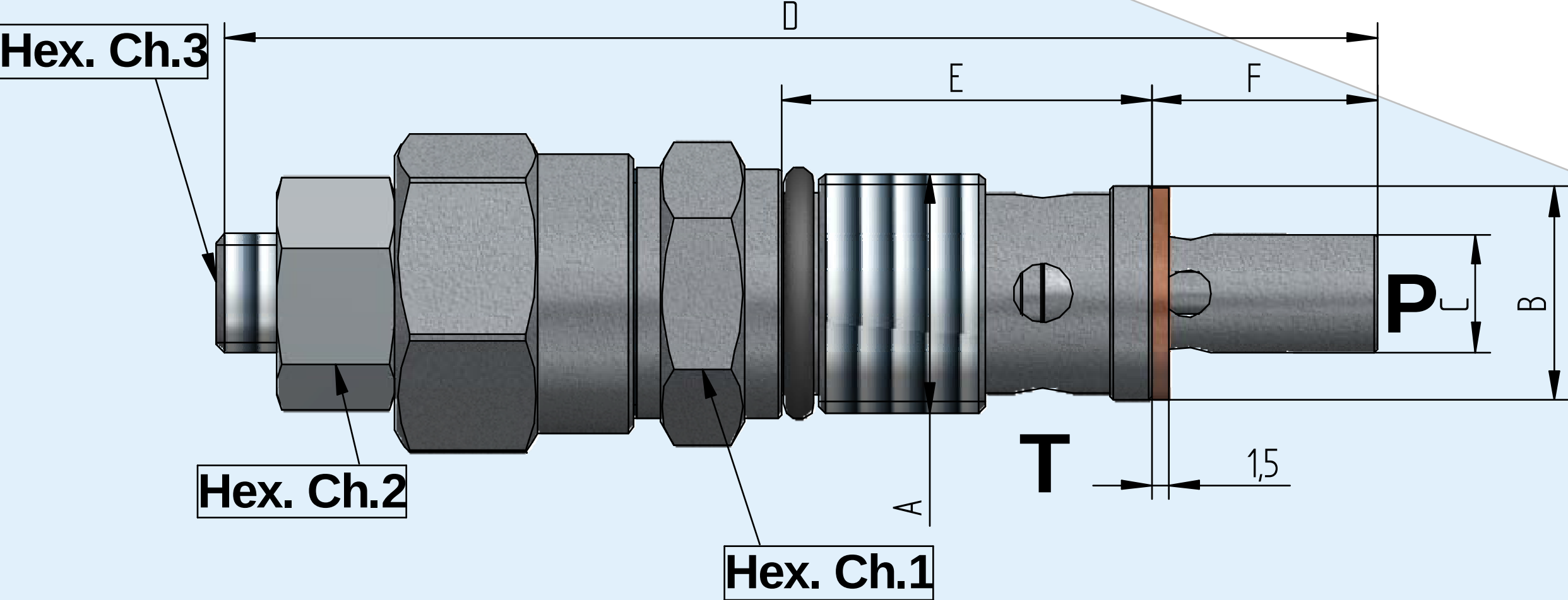
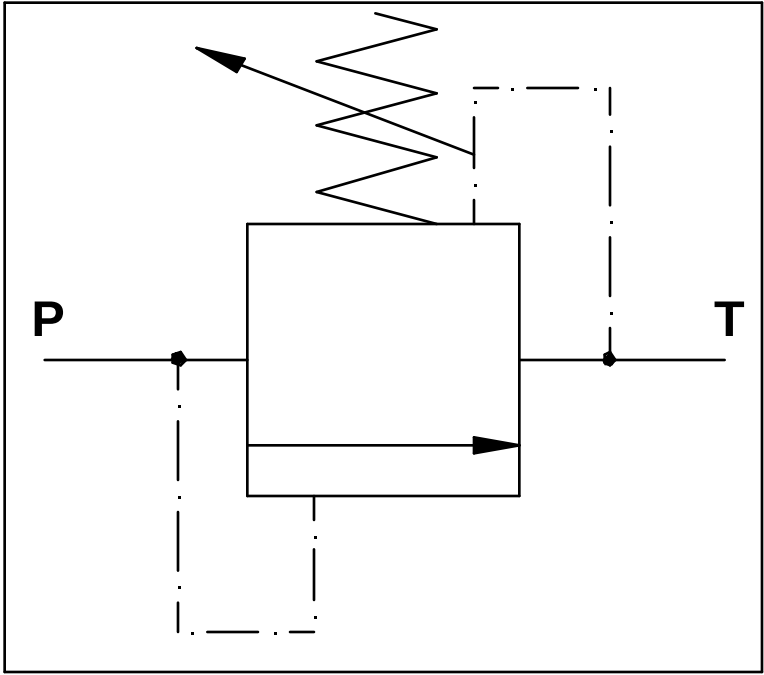
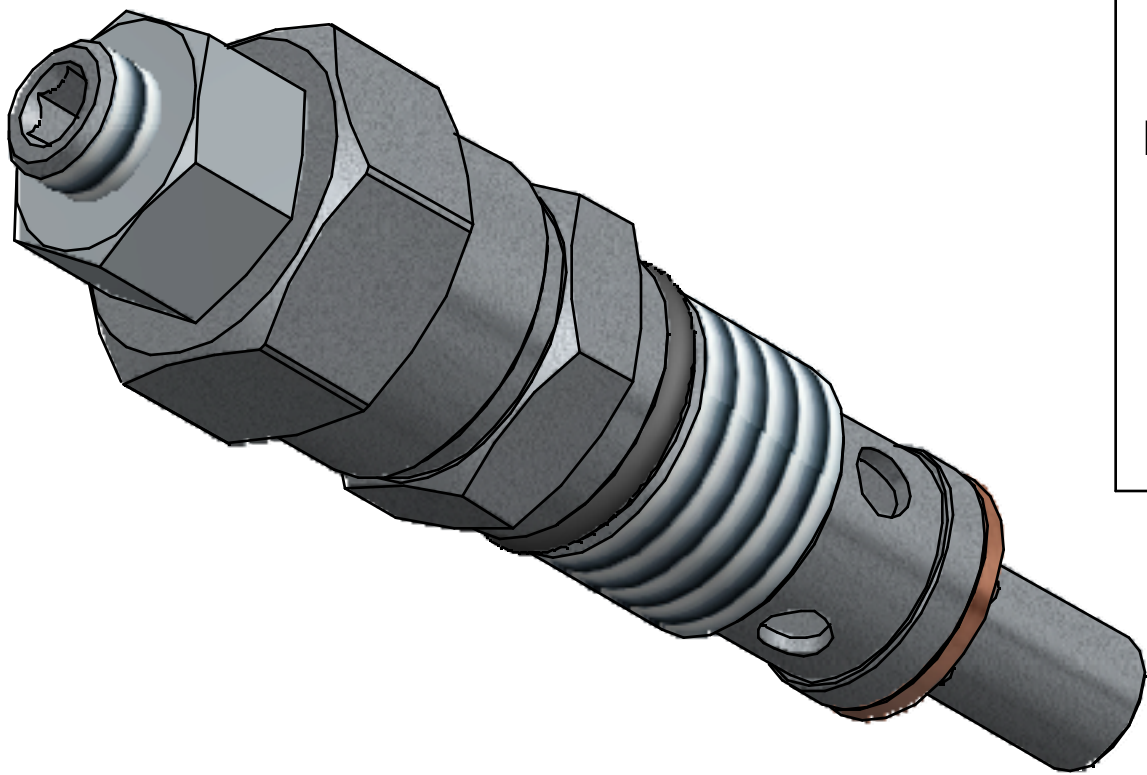
Steel body

Valvola di massima pressione a cartuccia ad azione diretta

Direct acting cartridge style relief valve



Descrizione Description	VMC 30
Pressione massima - Max pressure Bar	350
Portata - Flow Lt/min	30
Peso - Weight Kg	0,127
A	M20x1,5
B	Ø18
C	Ø10
D (Max)	102
E	30
F	21
Hex. Ch.1	22
Hex. Ch.2	17
Hex. Ch.3	5
Materiale corpo - Body material	Acciaio zincato - Galvanized steel



Codice di ordinazione Ordering code

VMC30 -	Option 1	M	Option 2	X
				Y
				Z
				W

Option 1

Regolazione - Adjustment

M

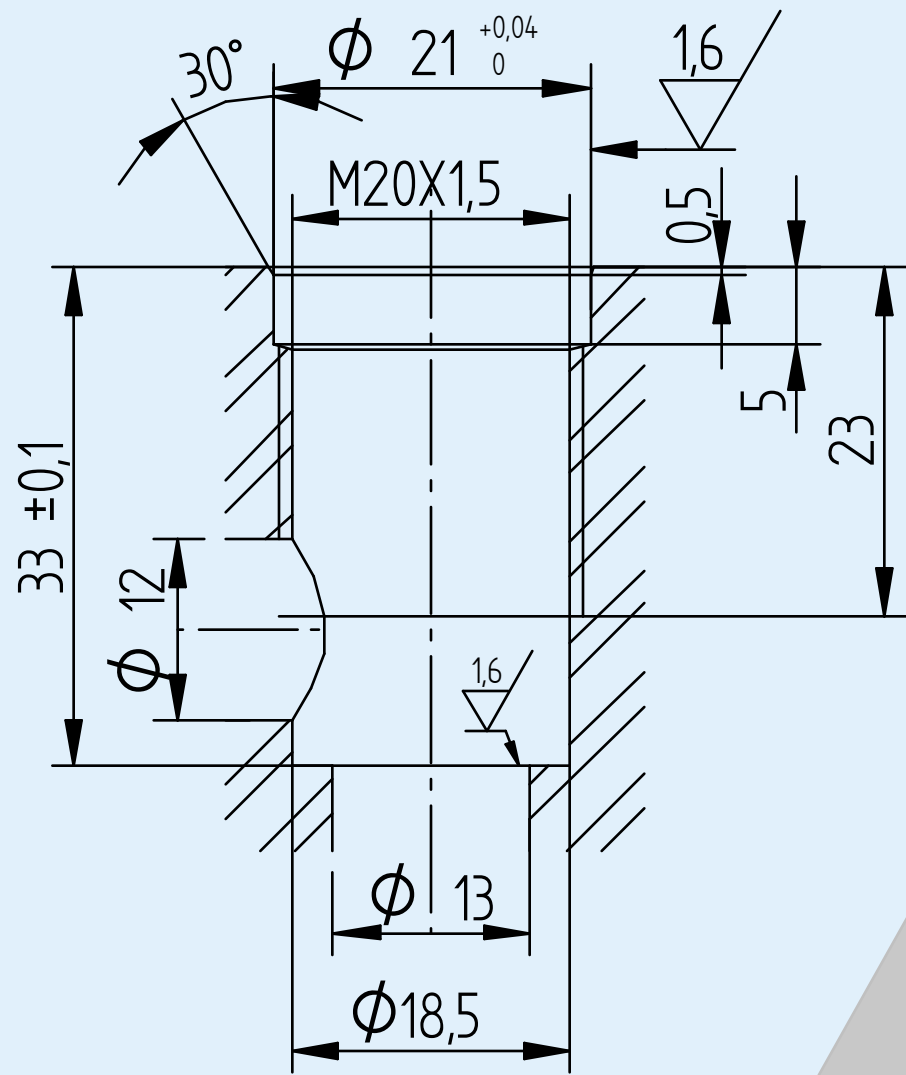
Grano - Socket screw

Option 2

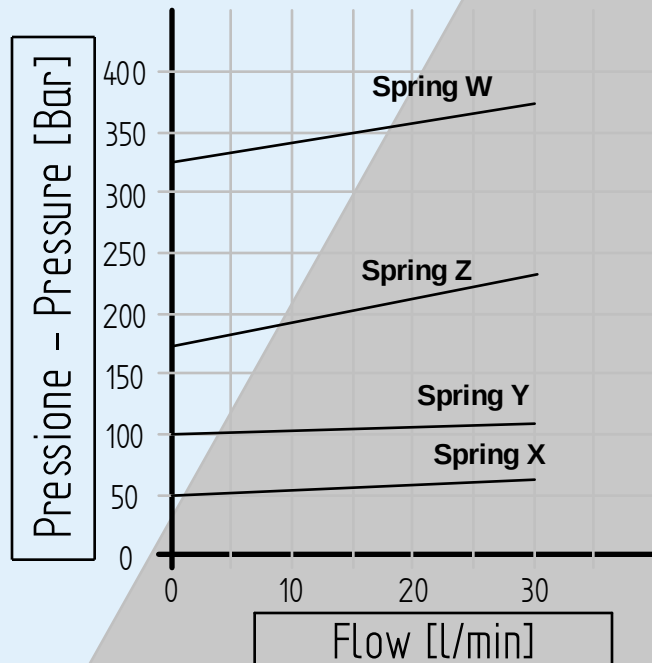
Molla - Spring

	Campo di taratura Range (Bar)	Incremento Pressure increase (bar/tum)
X	05-50	10
Y	30-100	20
Z	50-210	50
W	100-350	80

Cavità - Cavity



Perdite di carico
Pressure drops curve



Oil viscosity 24 mm2/sec
Temperature 50 °C

Dati tecnici indicativi e non impegnativi.
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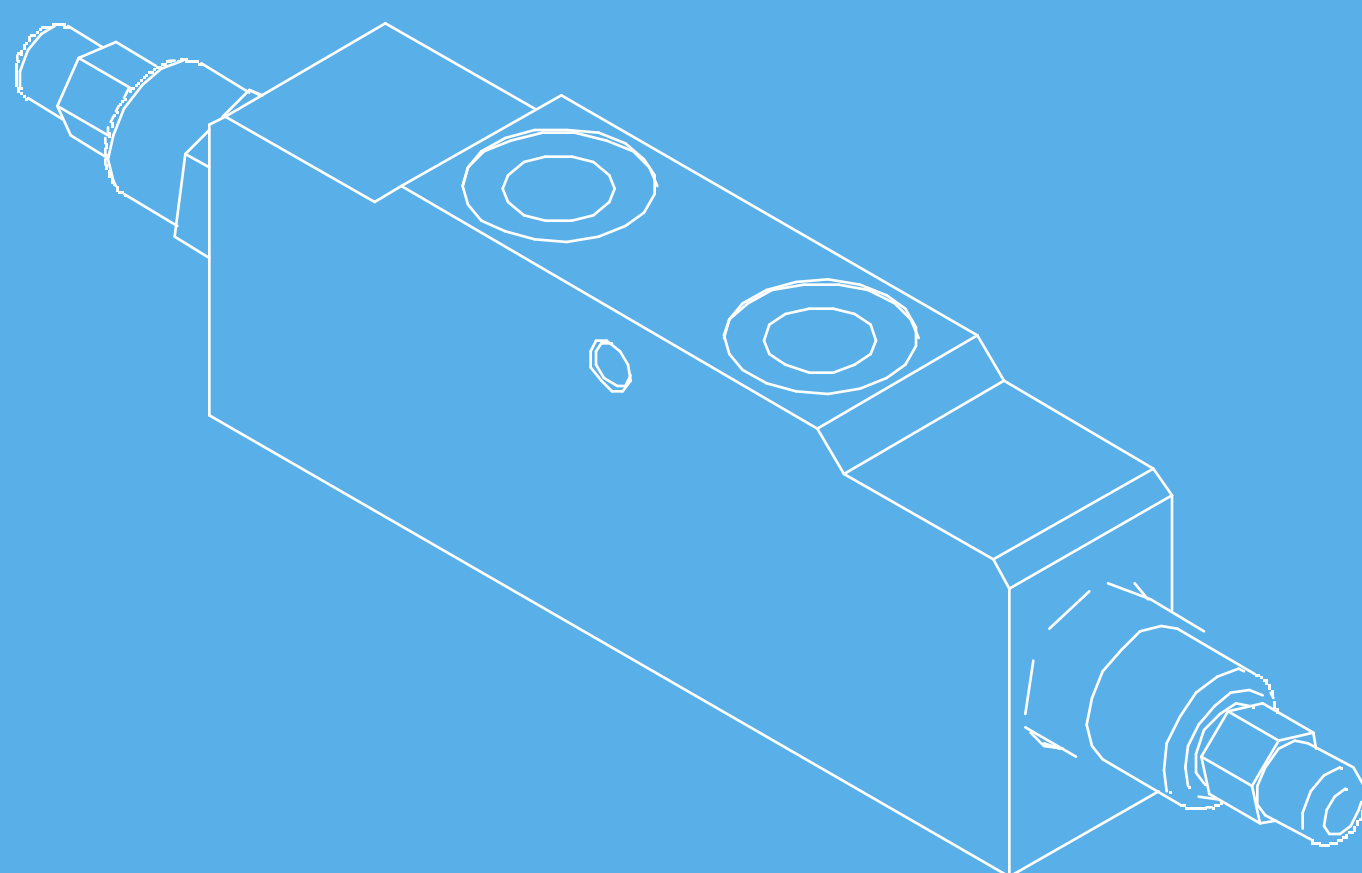
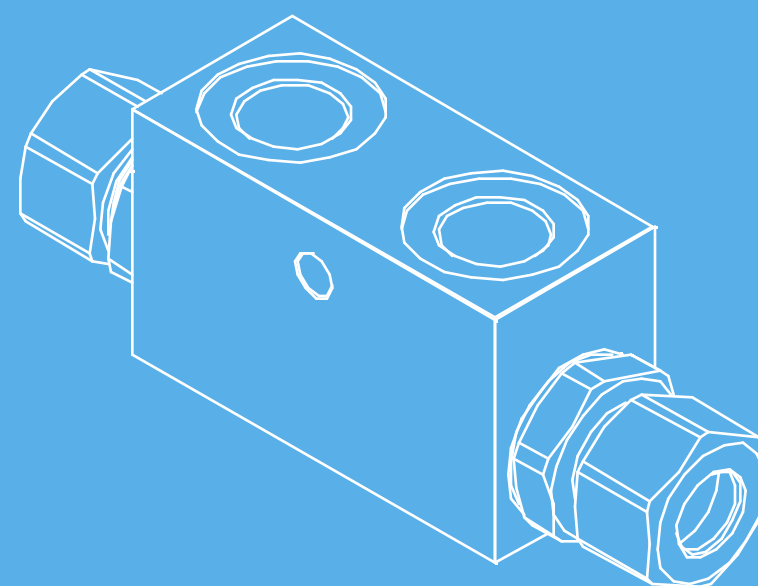
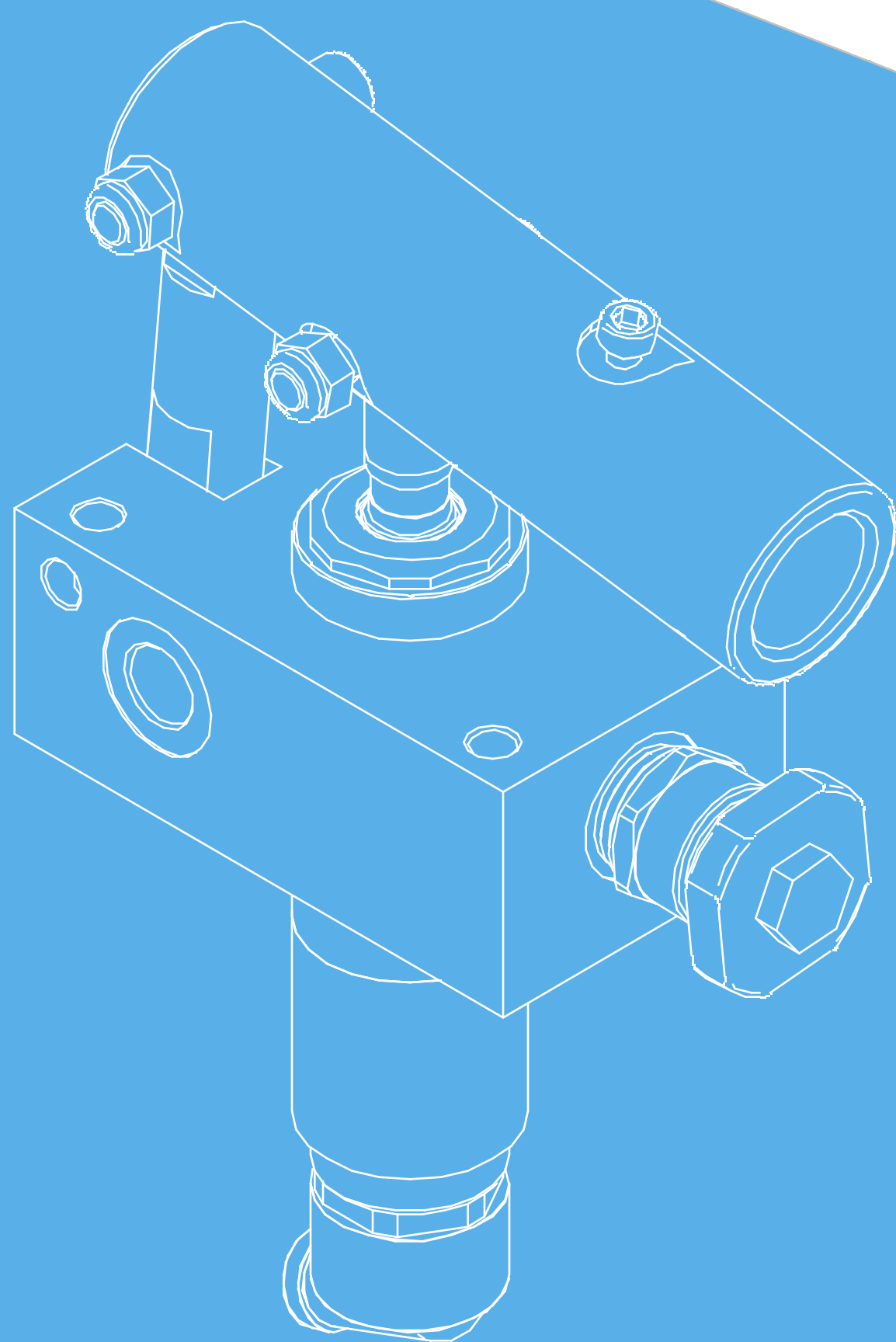
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AISI316

Componenti oleodinamici - Hydraulic components



Ed. 2023

G.L. HYDRAULIC S.R.L. è una realtà produttiva all'avanguardia specializzata nella realizzazione di una vasta gamma di componenti oleodinamici che trovano applicazione nei più diversi settori industriali.

Gli elevati standard qualitativi del prodotto vengono scrupolosamente garantiti dall'impiego dei materiali migliori e dalla rigorosa attuazione di severe procedure di controllo. Grazie all'esperienza, alla profonda conoscenza del mercato e all'elevata competenza tecnica, G.L. HYDRAULIC S.R.L. è un punto di riferimento indispensabile per tutti coloro che cercano risposte puntuali e soluzioni concrete alle esigenze più diversificate. L'ottima assistenza pre e post vendita e la rapidità delle consegne assicurano servizi efficaci e tempestivi, frutto di una gestione aziendale dinamica e flessibile che è sinonimo di competenza e professionalità.

G.L. HYDRAULIC S.R.L. is a leading-edge manufacturer who specializes in producing a wide range of hydraulic components for application in a variety of industrial sectors. The exceptional product quality standards are carefully guaranteed through the use of very best materials and the implementation of extremely tough quality-control procedures. Thanks to its experience, extensive knowledge of the market and outstanding technical skills, G.L. HYDRAULIC S.R.L. is an indispensable port of call for those seeking prompt, concrete solutions for every type of requirement, no matter how difficult it might seem. Excellent pre and after assistance, together with fast delivery, ensure a highly efficient customer service arising from the flexible, dynamic company management synonymous with skill and professionalism

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AISI316

Componenti oleodinamici
Hydraulic components

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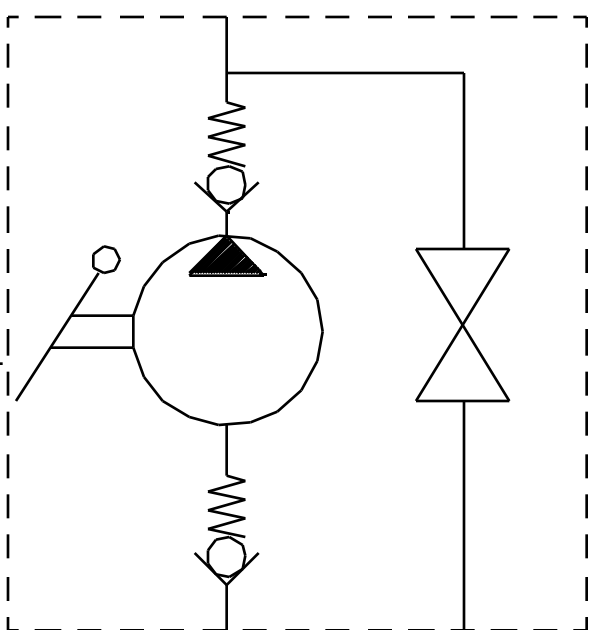
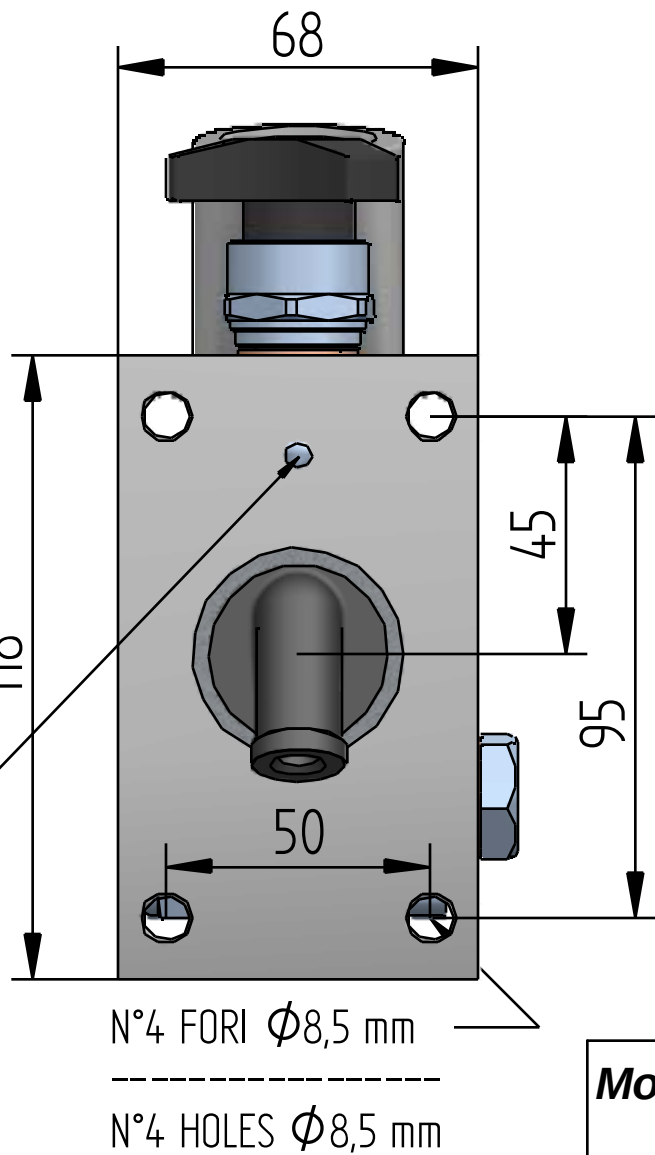
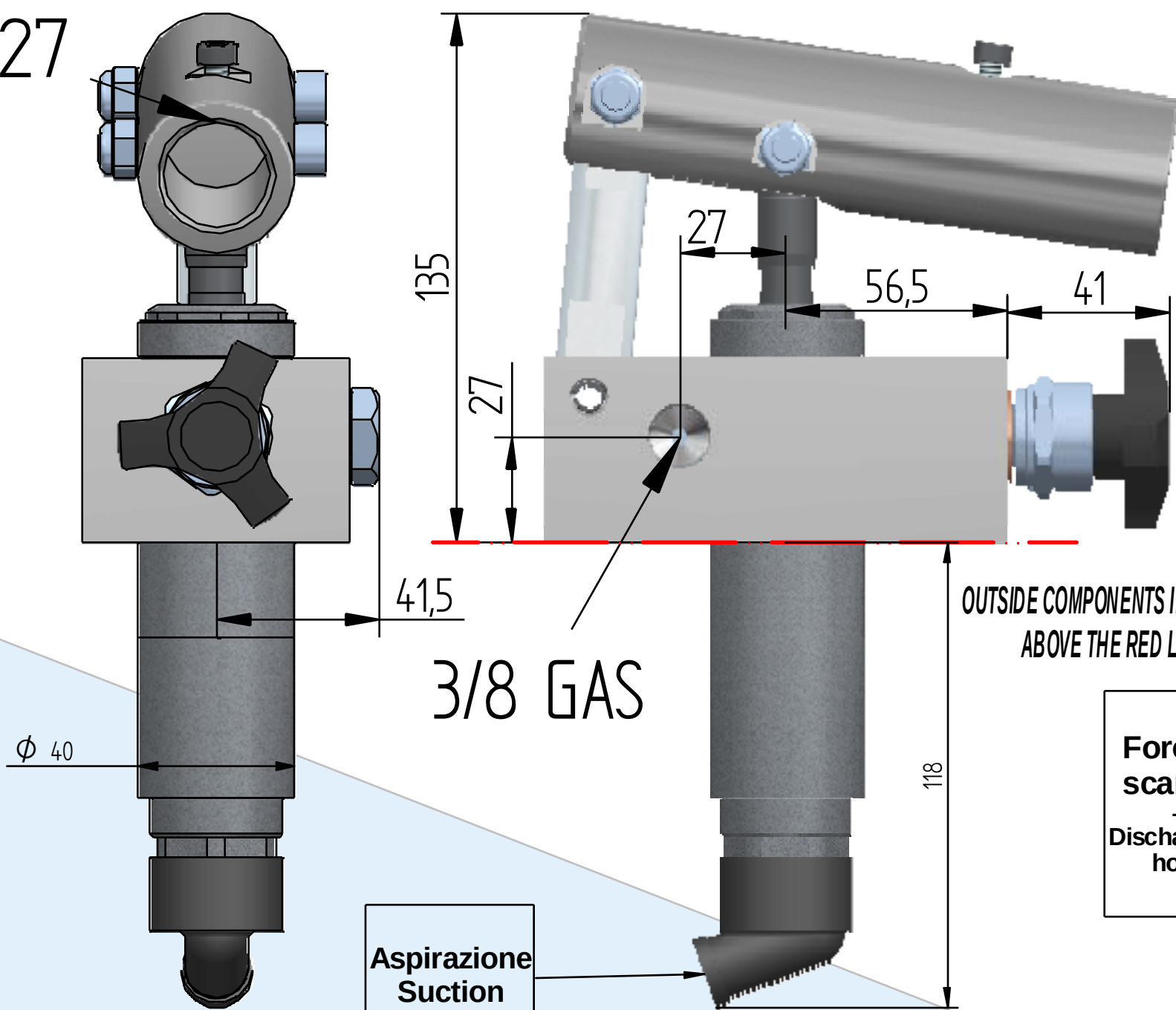
AI316HPT

Stainless steel 316

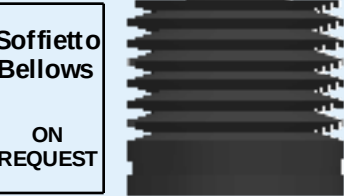
Funzionamento a doppio effetto per cilindro a semplice effetto
Double-stroke for a single acting cylinder



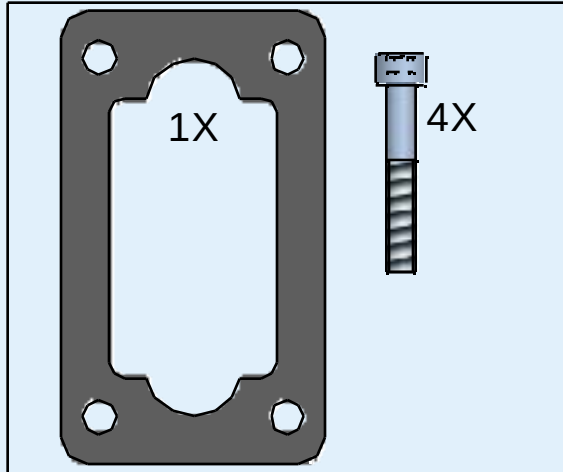
Ø27



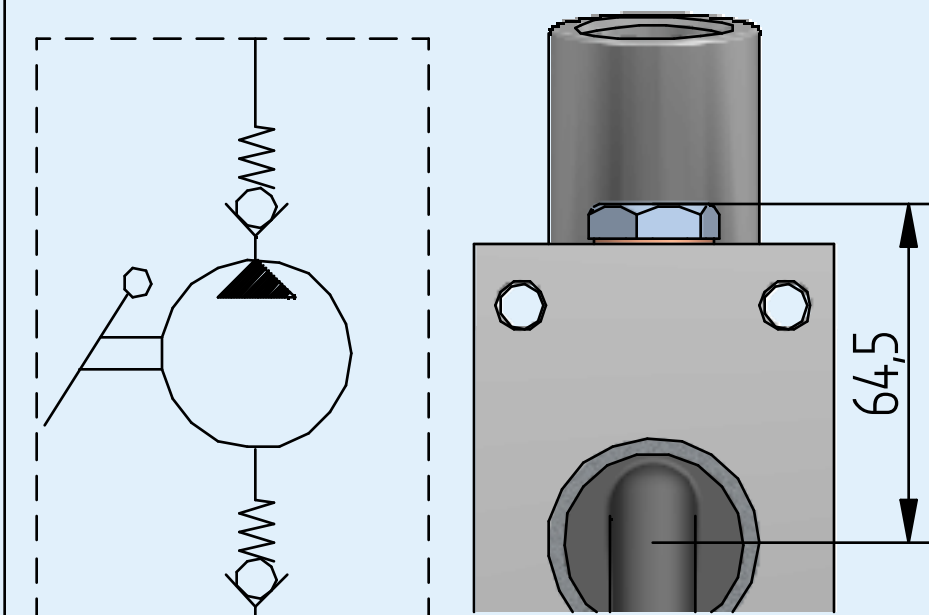
Montaggio: Qualsiasi posizione
Mounting: Any position



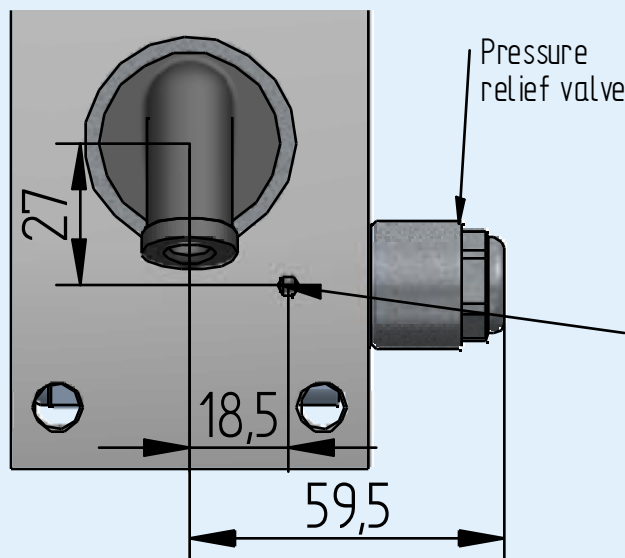
Kit di montaggio al serbatoio - Mounting kit to oil tank



Version E

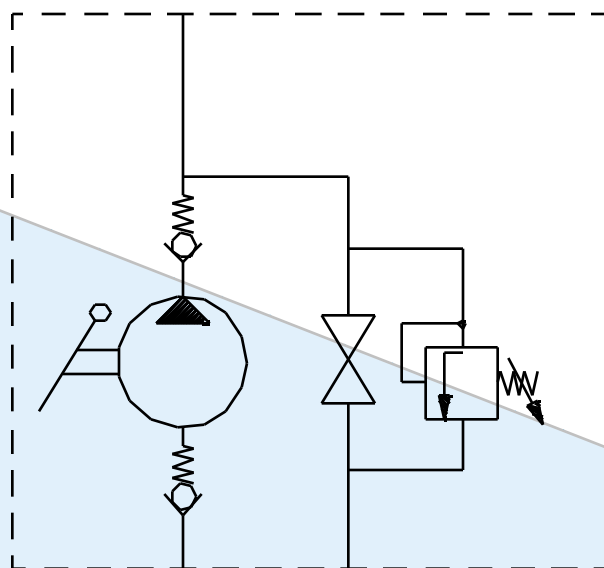


Taratura valvola di massima pressione
-
Relief valve setting
min - max
(bar)
30 - 400
Comunque non oltre la pressione massima della pompa
-
However: not over the pump's max pressure.



Pressure relief valve
Pressure relief valve discharging hole

Version V



Codice di ordinazione / Ordering code

AI316HPT

Option 1	12	Option 2	E	Option 3	V	Option 4	S
	12						
	25						
	45						

Option 1

6	6,0 CC Hand pump
12	12,5 CC Hand pump
25	19,4 CC Hand pump
45	28,0 CC Hand pump

Option 2

	With release handknob
E	Without release handknob

Option 3

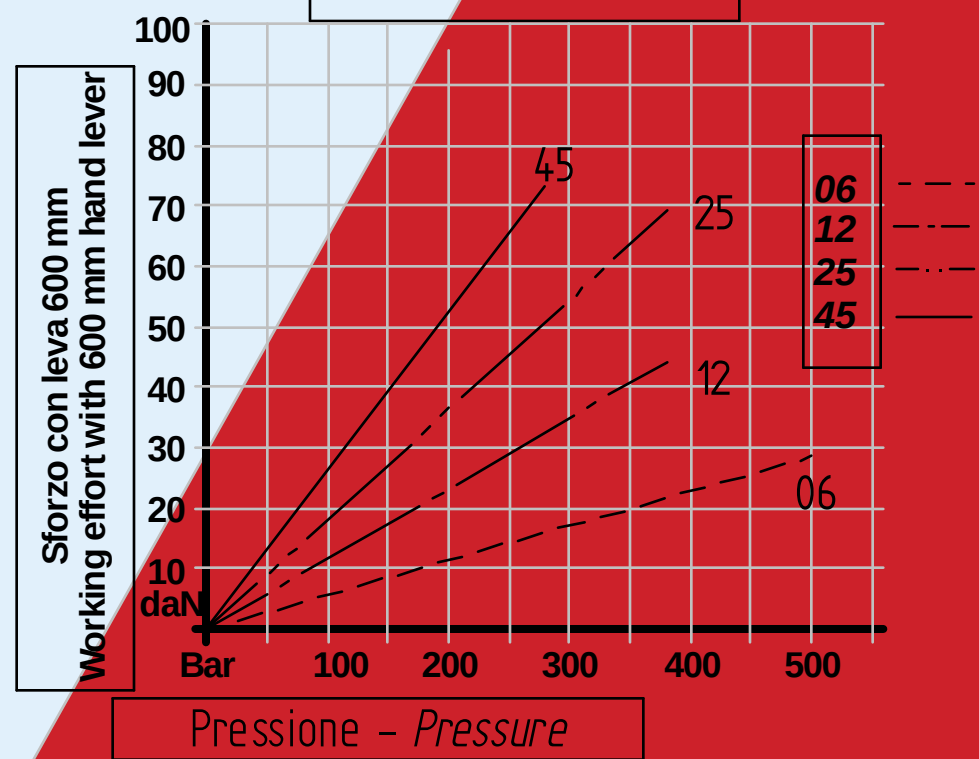
	Without pressure relief valve
V	With pressure relief valve

Option 4

	Without bellows
S	With bellows

Line	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
6	6	400	4,3
12	12,5	320	4,3
25	19,4	300	4,3
45	28	250	4,3

Diagramma prove di carico
Load curve



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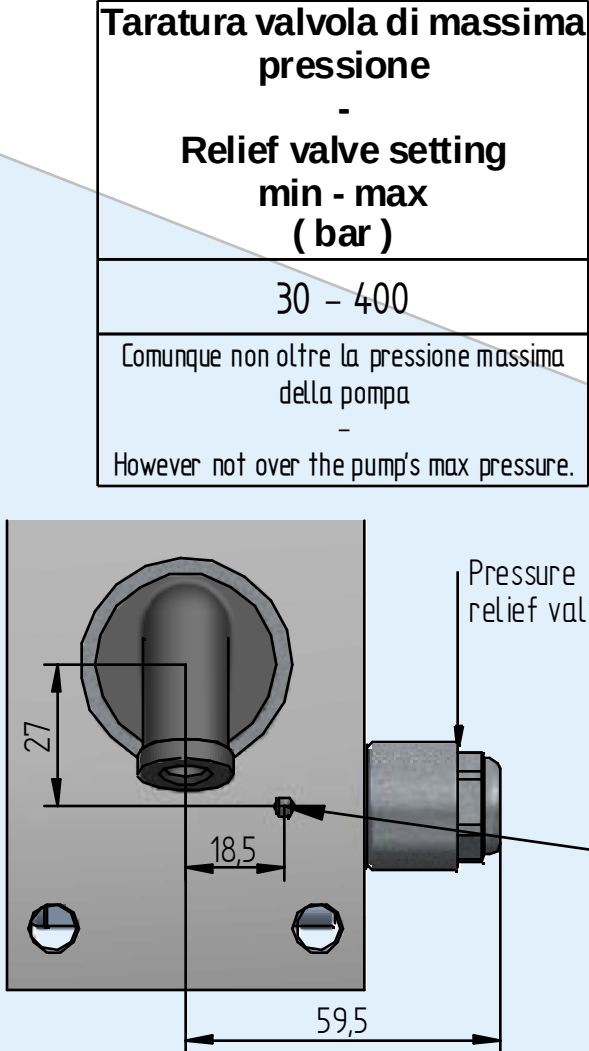
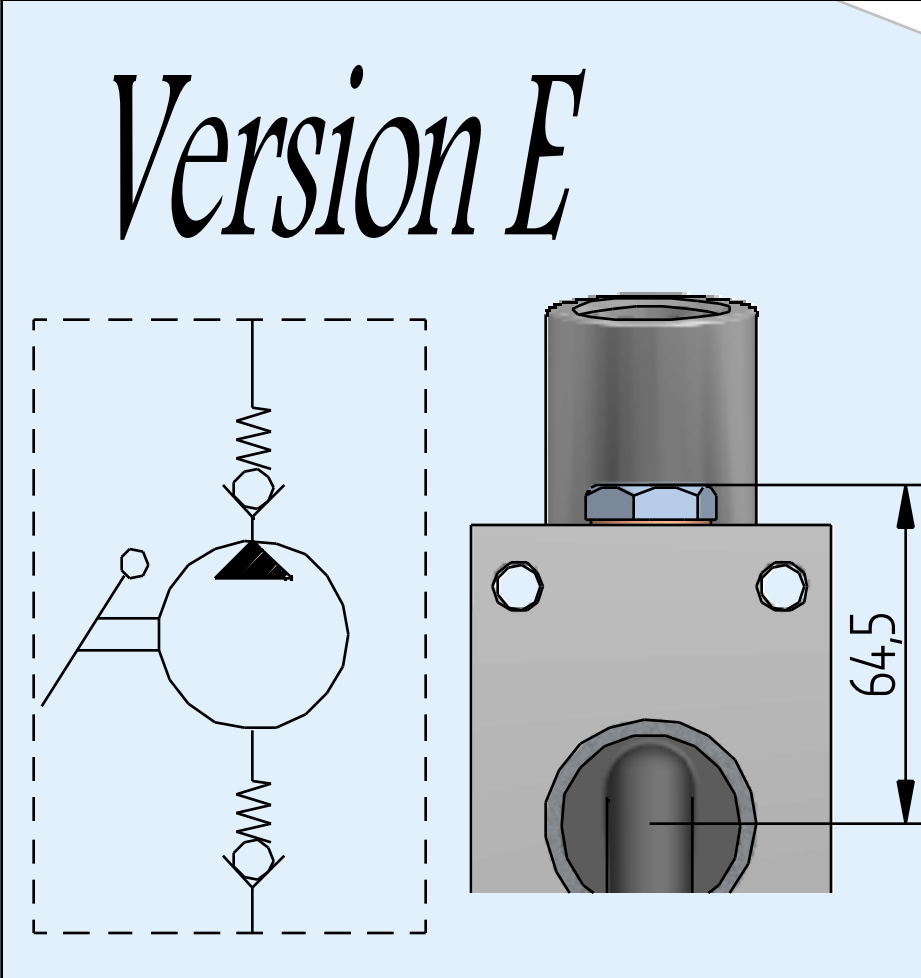
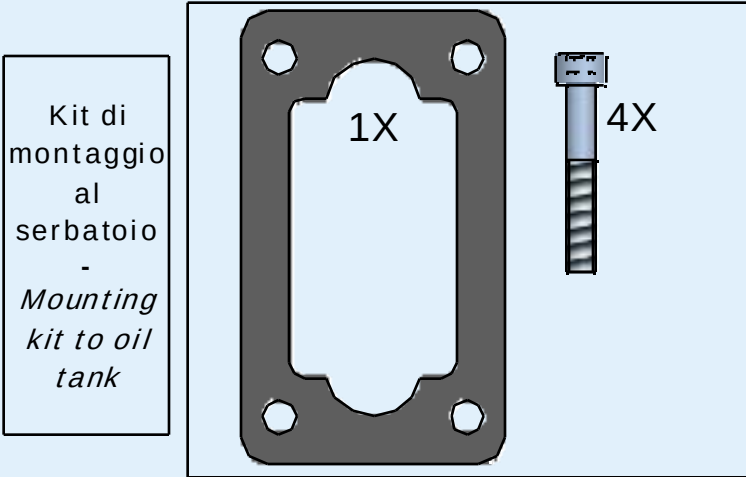
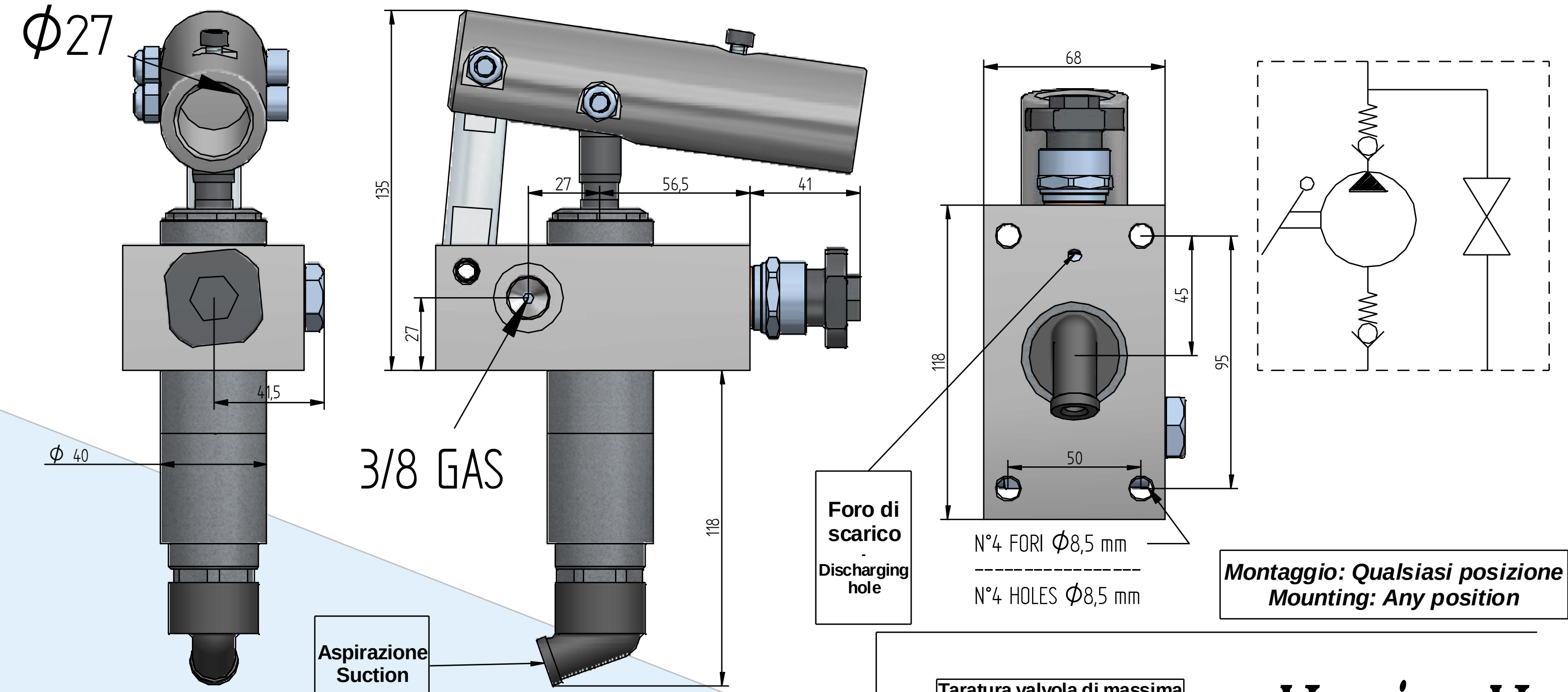
WWW.SUMY.IR

AI316HPT W

Stainless steel 316

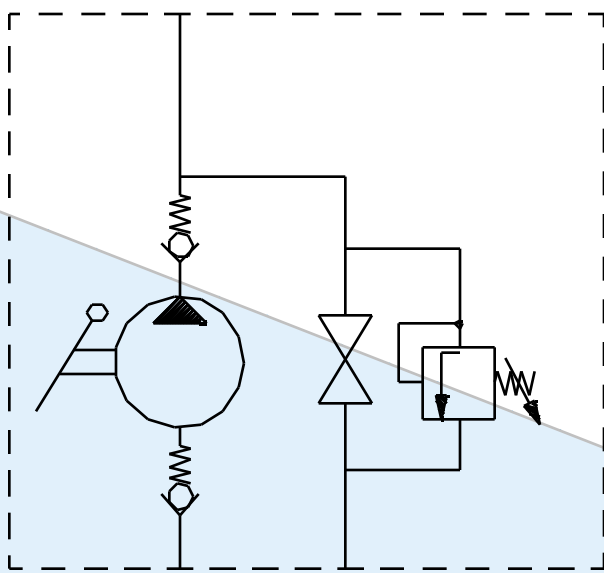
Ø27

Funzionamento a doppio effetto per cilindro a semplice effetto
Double-stroke for a single acting cylinder



Montaggio: Qualsiasi posizione
Mounting: Any position

Version V



Codice di ordinazione / Ordering code

AI316HPT

Option 1	12	Option 2	E	Option 3	V	Option 4	S	-W
	12							
	25							
	45							

Option 1

6	6,0 CC Hand pump
12	12,5 CC Hand pump
25	19,4 CC Hand pump
45	28,0 CC Hand pump

Option 2

	With release handknob
E	Without release handknob

Option 3

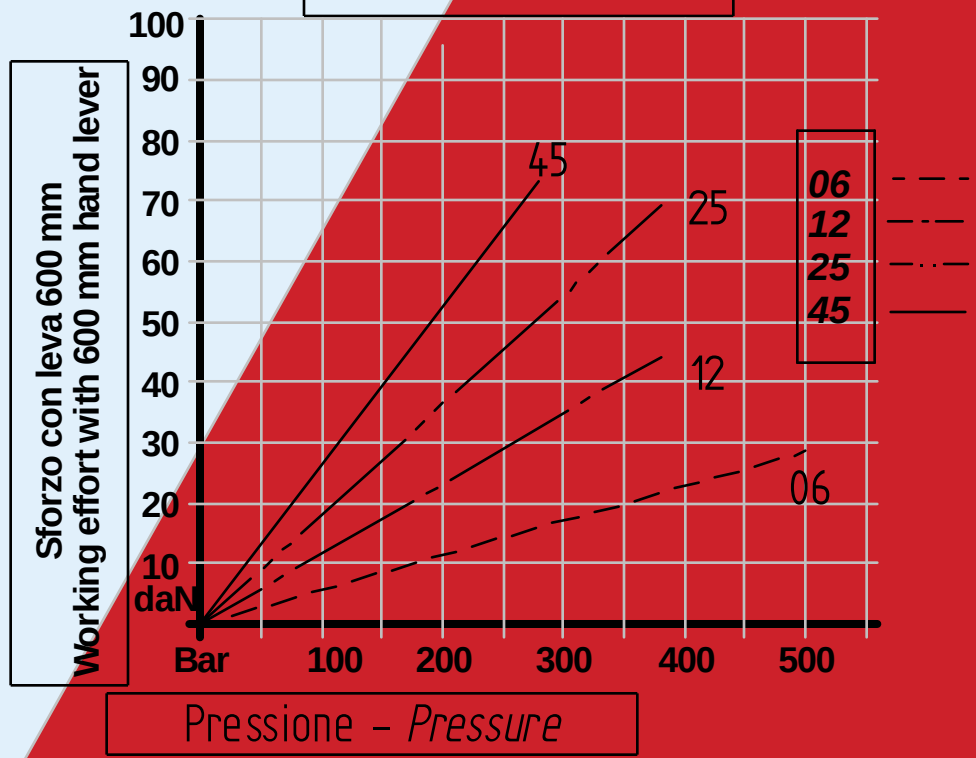
	Without pressure relief valve
V	With pressure relief valve

Option 4

	Without bellows
S	With bellows

Line	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
6	6	400	4,3
12	12,5	320	4,3
25	19,4	300	4,3
45	28	250	4,3

Diagramma prove di carico
Load curve



Dati tecnici indicativi e non impegnativi.
L'azienda si riserva di apportare modifiche in qualsiasi momento e senza preavviso.
Technical data not binding. Modifications reserved without prior notice.

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WWW.SUMY.IR

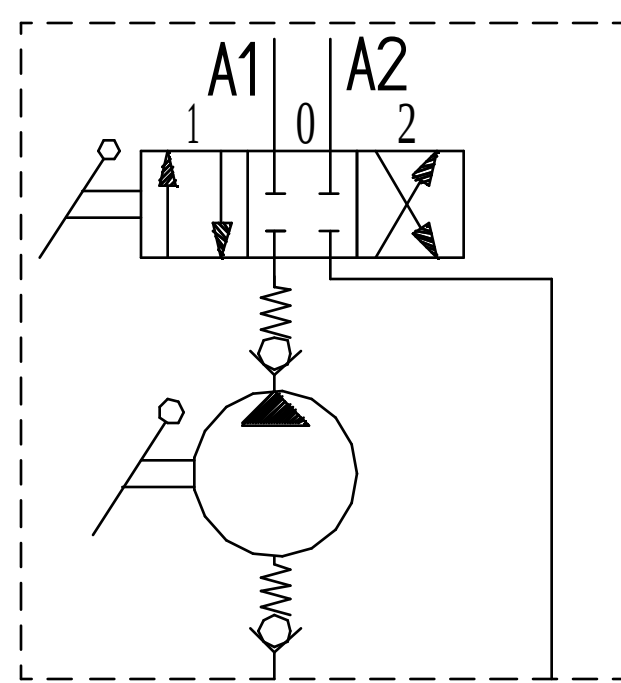
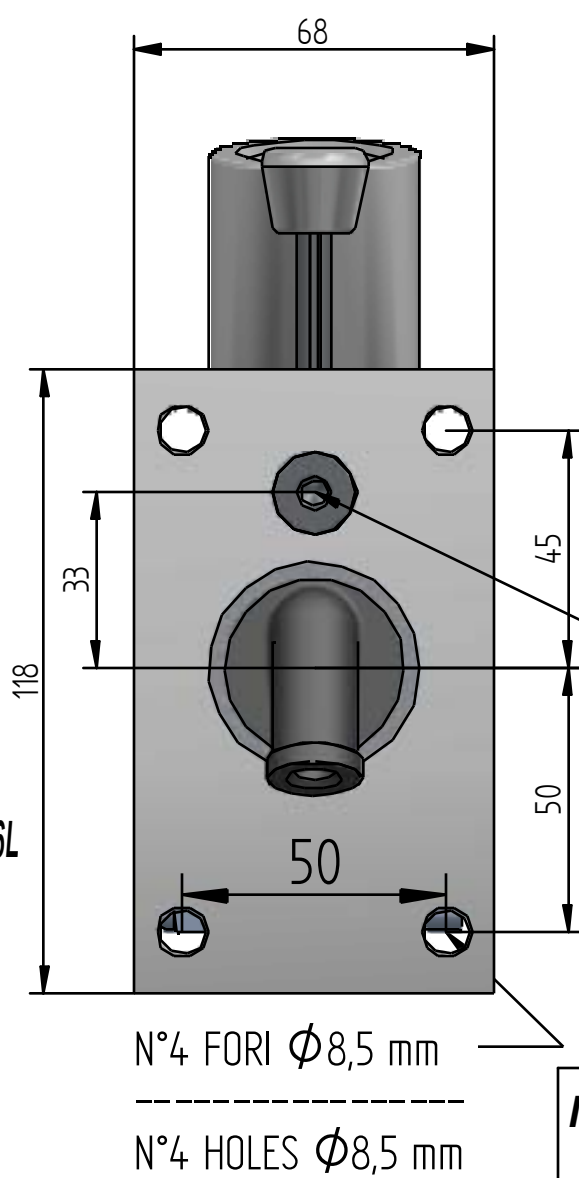
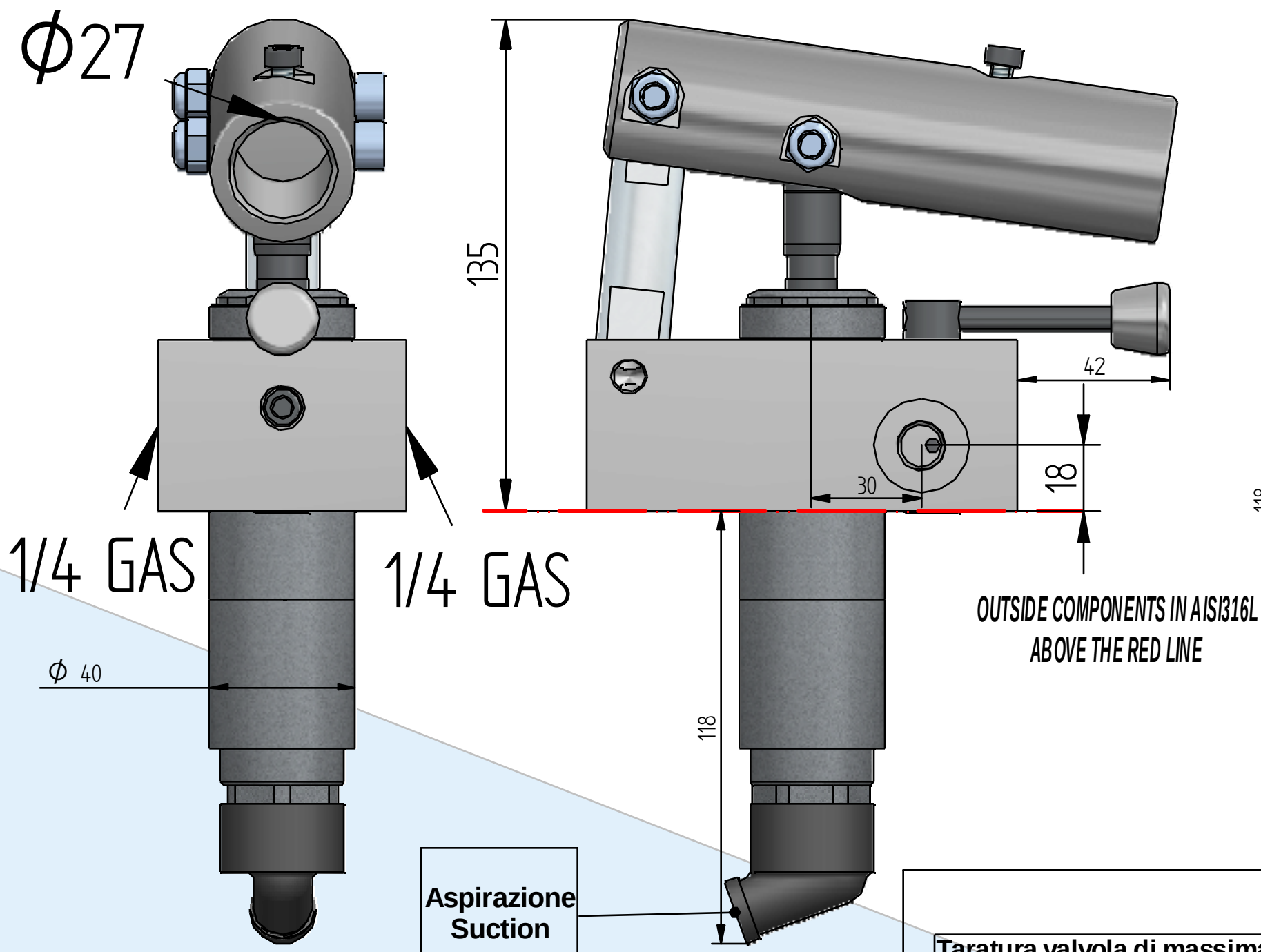
AI316HPTD

Stainless steel 316

Funzionamento a doppio effetto per cilindro a doppio effetto
Double-stroke for a double acting cylinder

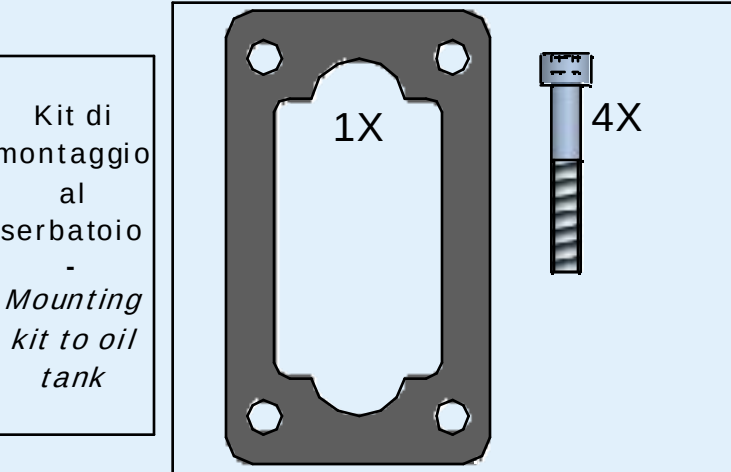


Ø27

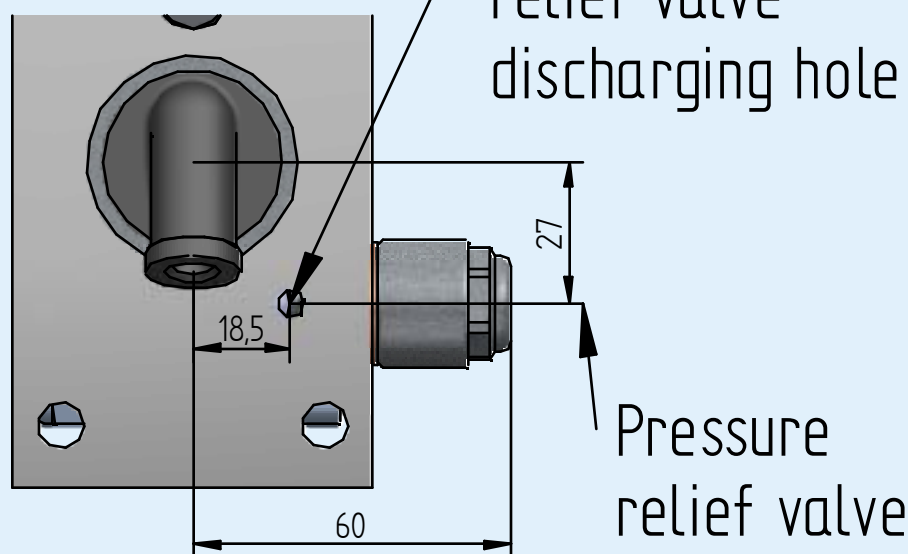


Foro di scarico
Discharging hole

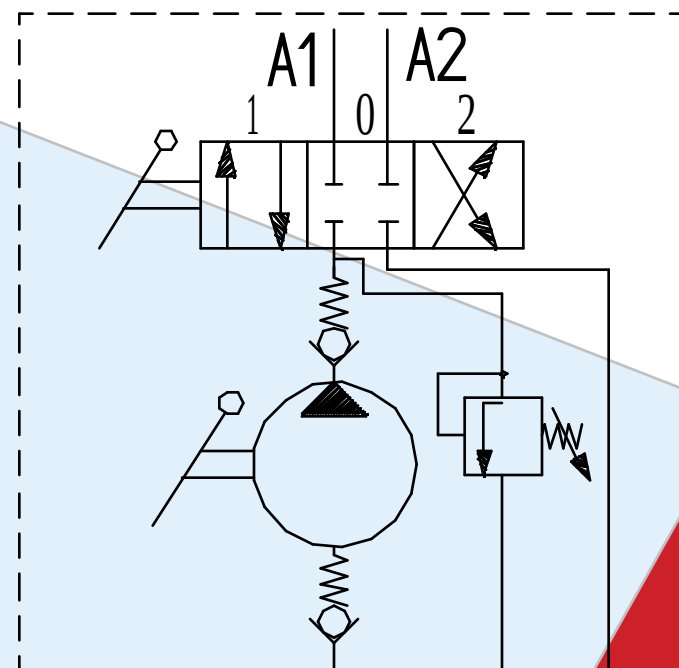
Montaggio: Qualsiasi posizione
Mounting: Any position



Taratura valvola di massima pressione
Relief valve setting
min - max
(bar)
30 - 320
Comunque non oltre la pressione massima della pompa
However not over the pump's max pressure.



Version V



Codice di ordinazione / Ordering code

AI316HPTD Option 1 12 12 25 45 DCC Option 2 VOUT Option 3 S

Option 1

6	6,0 CC Hand pump
12	12,5 CC Hand pump
25	19,4 CC Hand pump
45	28,0 CC Hand pump

Option 2

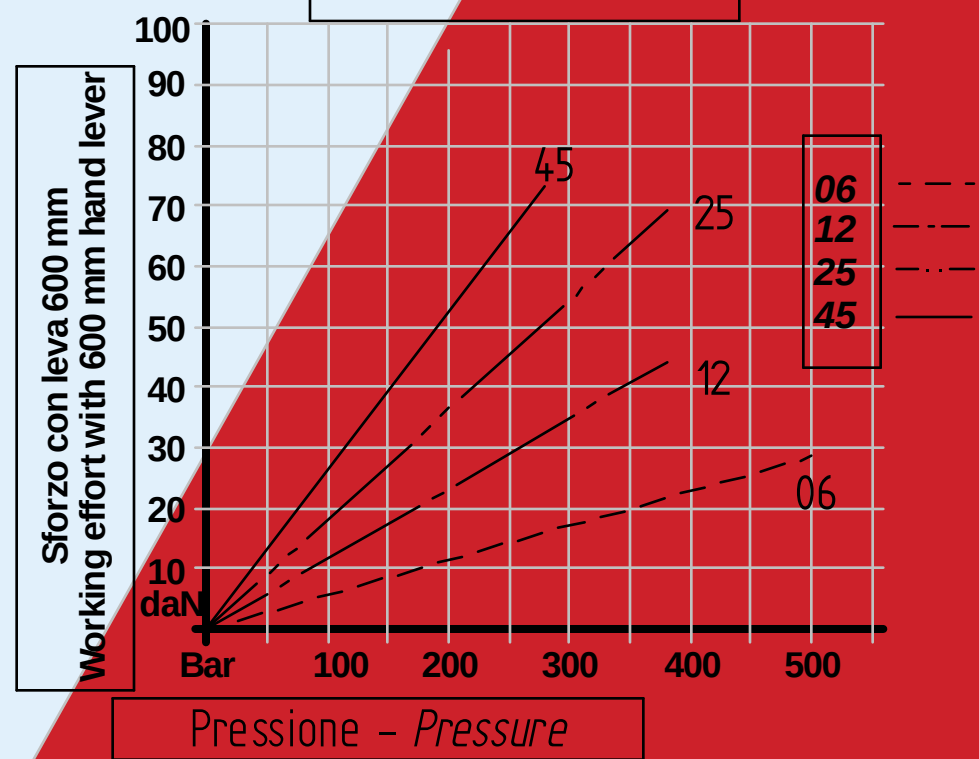
	Without pressure relief valve
VOUT	With pressure relief valve

Option 3

	Without bellows
S	With bellows

Line	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
6	6	200	4,3
12	12,5	200	4,3
25	19,4	200	4,3
45	28	200	4,3

Diagramma prove di carico
Load curve



Dati tecnici indicativi e non impegnativi.
L'azienda si riserva di apportare modifiche in qualsiasi momento e senza preavviso.
Technical data not binding. Modifications reserved without prior notice.

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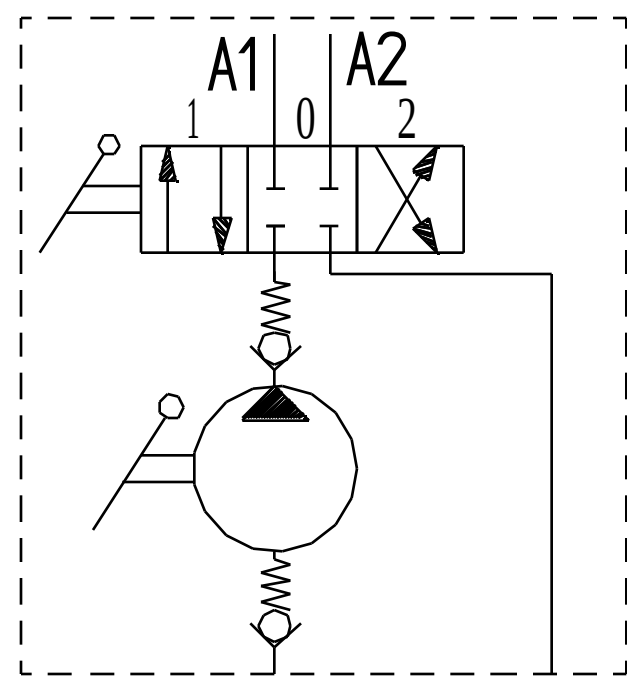
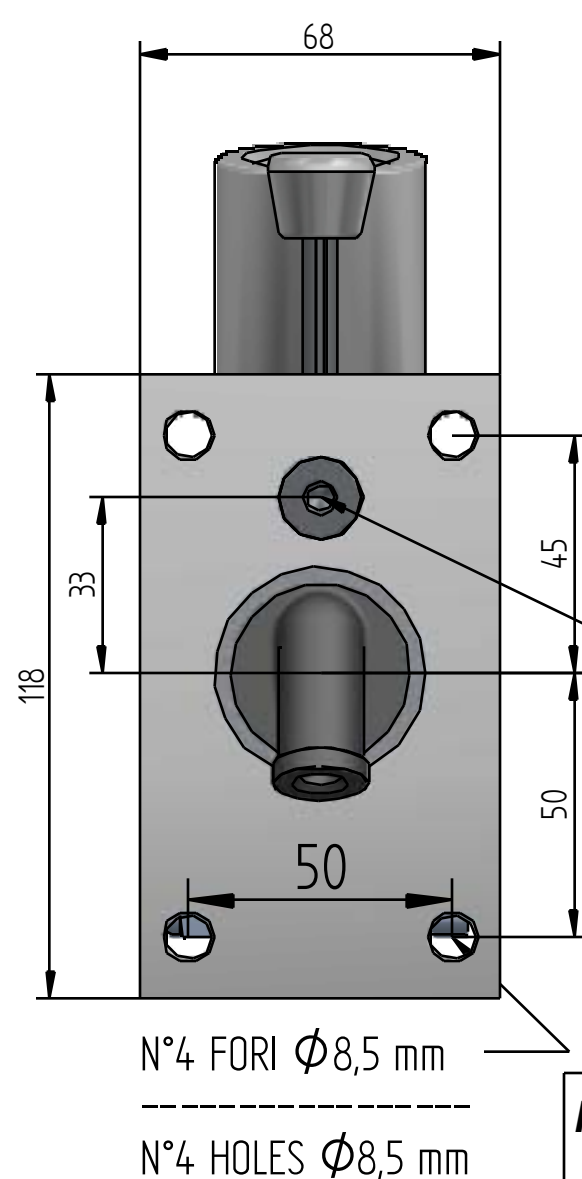
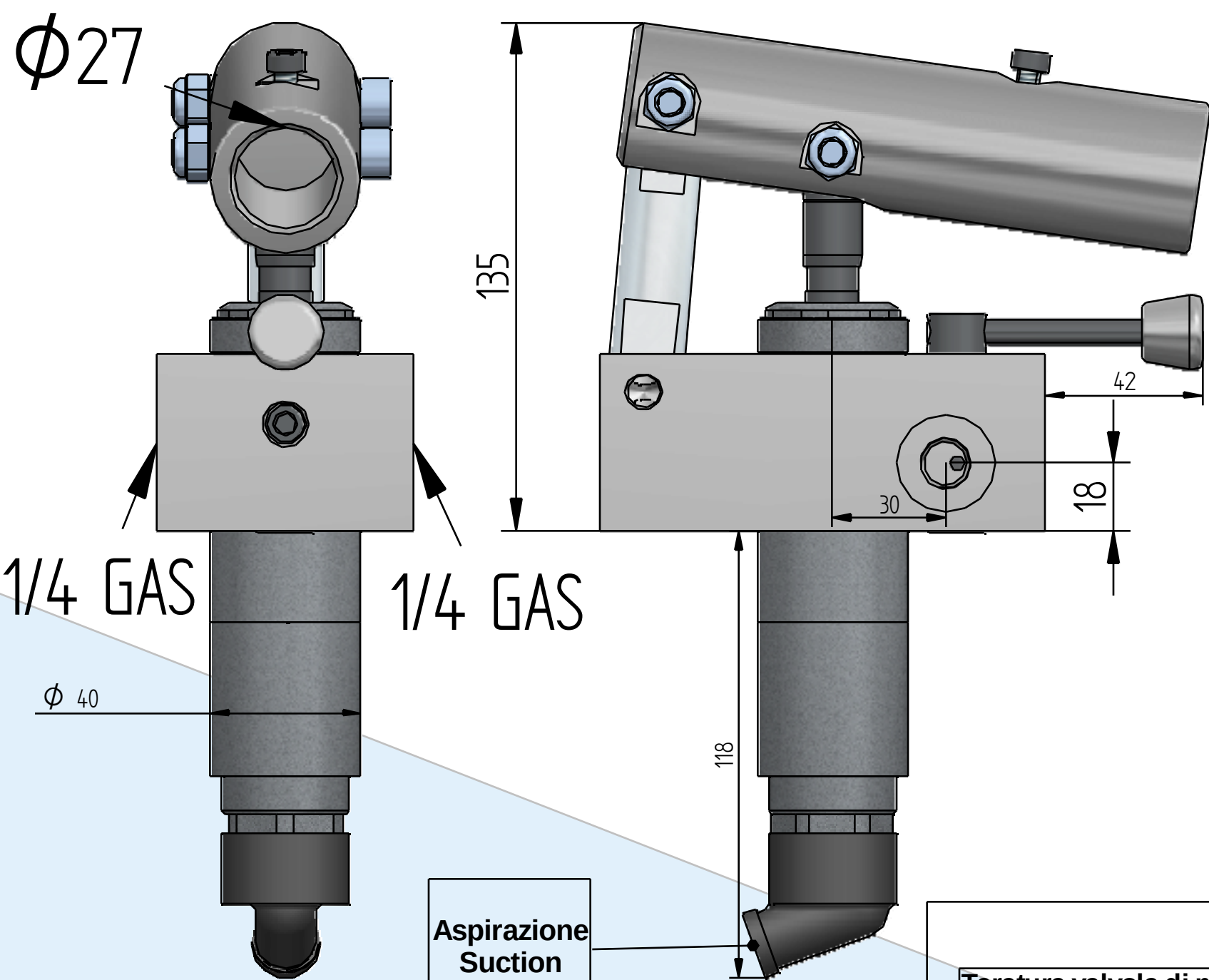
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WWW.SUMY.IR

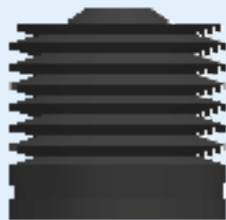
Ø27



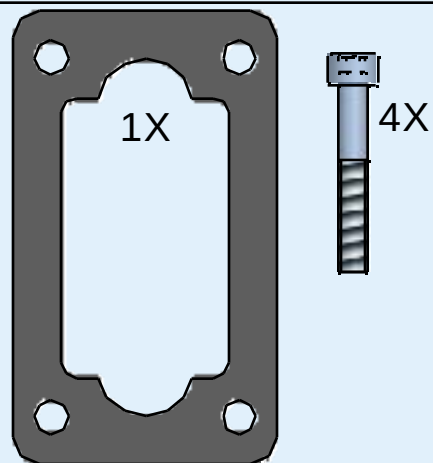
Foro di scarico
Discharging hole

Montaggio: Qualsiasi posizione
Mounting: Any position

Soffietto
Bellows
ON
REQUEST



Kit di
montaggio
al
serbatoio
-
Mounting
kit to oil
tank

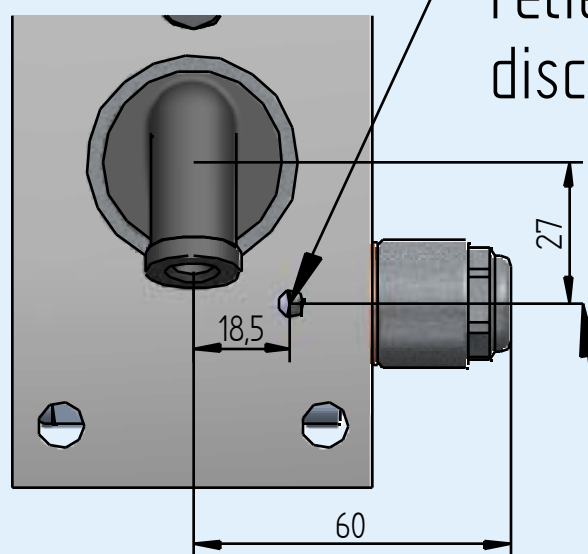


Taratura valvola di massima
pressione

Relief valve setting
min - max
(bar)

30 - 320

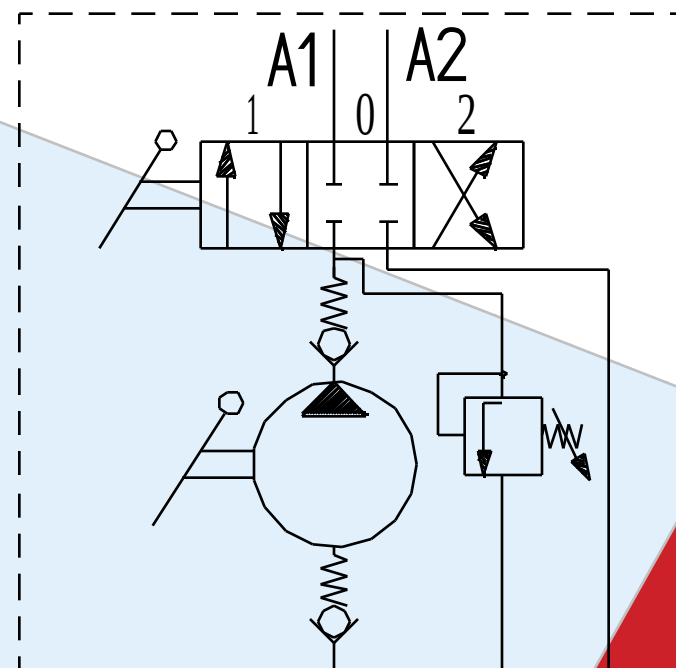
Comunque non oltre la pressione massima
della pompa
-
However not over the pump's max pressure.



Pressure
relief valve
discharging hole

Pressure
relief valve

Version V



Codice di ordinazione / Ordering code

AI316HPTD

Option 1
12
12
25
45

DCC

Option 2
VOUT

Option 3
S

-W

Option 1

6	6,0 CC Hand pump
12	12,5 CC Hand pump
25	19,4 CC Hand pump
45	28,0 CC Hand pump

Option 2

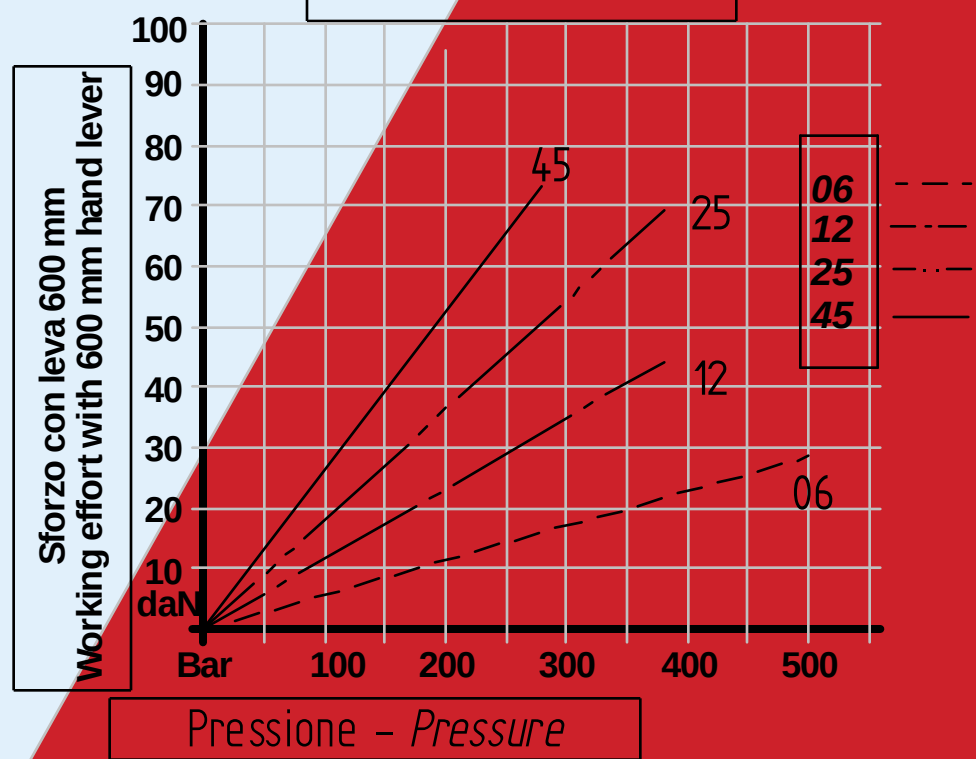
	Without pressure relief valve
VOUT	With pressure relief valve

Option 3

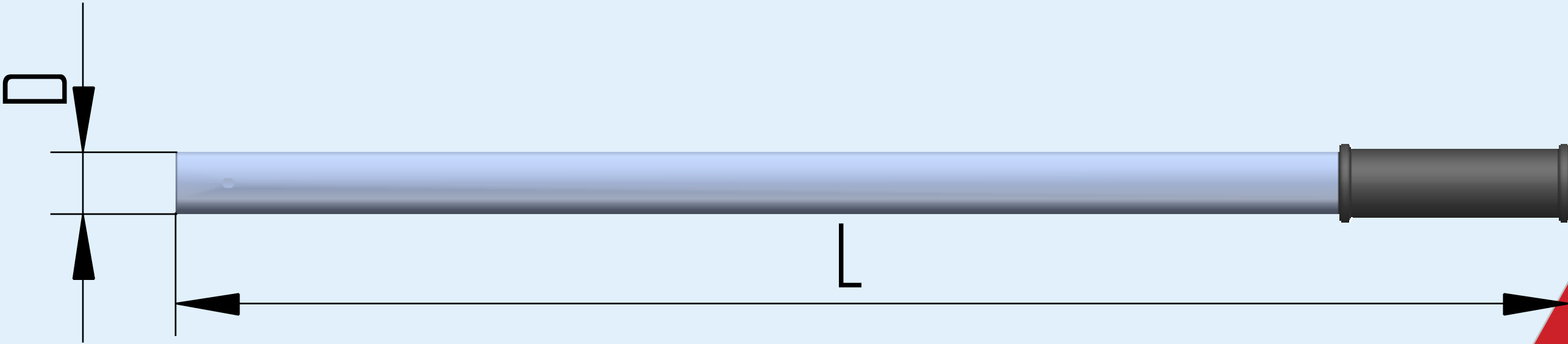
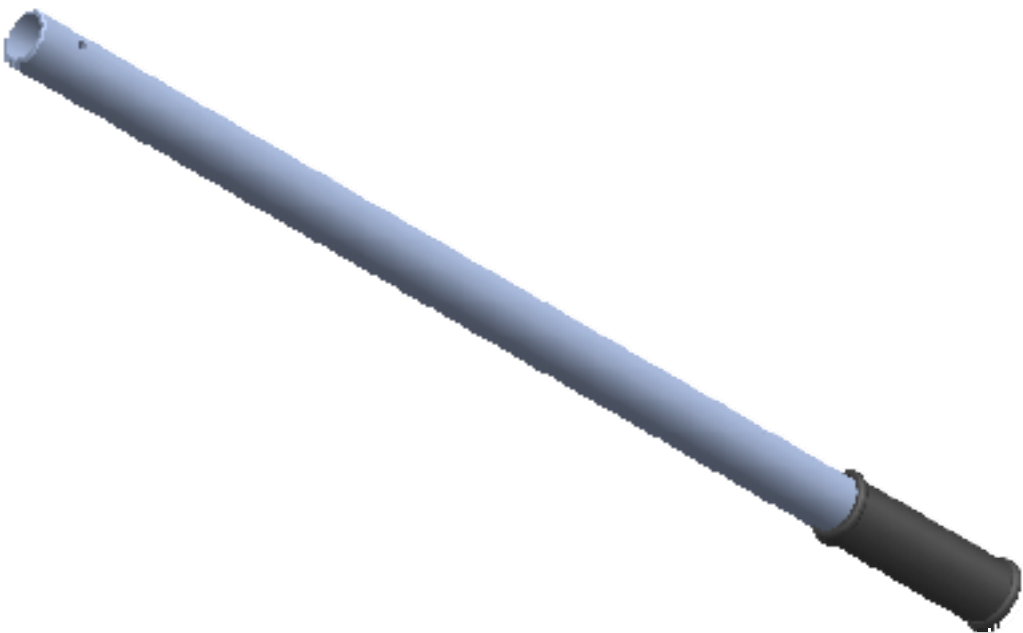
	Without bellows
S	With bellows

Line	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Peso Weight (Kg)
6	6	200	4,3
12	12,5	200	4,3
25	19,4	200	4,3
45	28	200	4,3

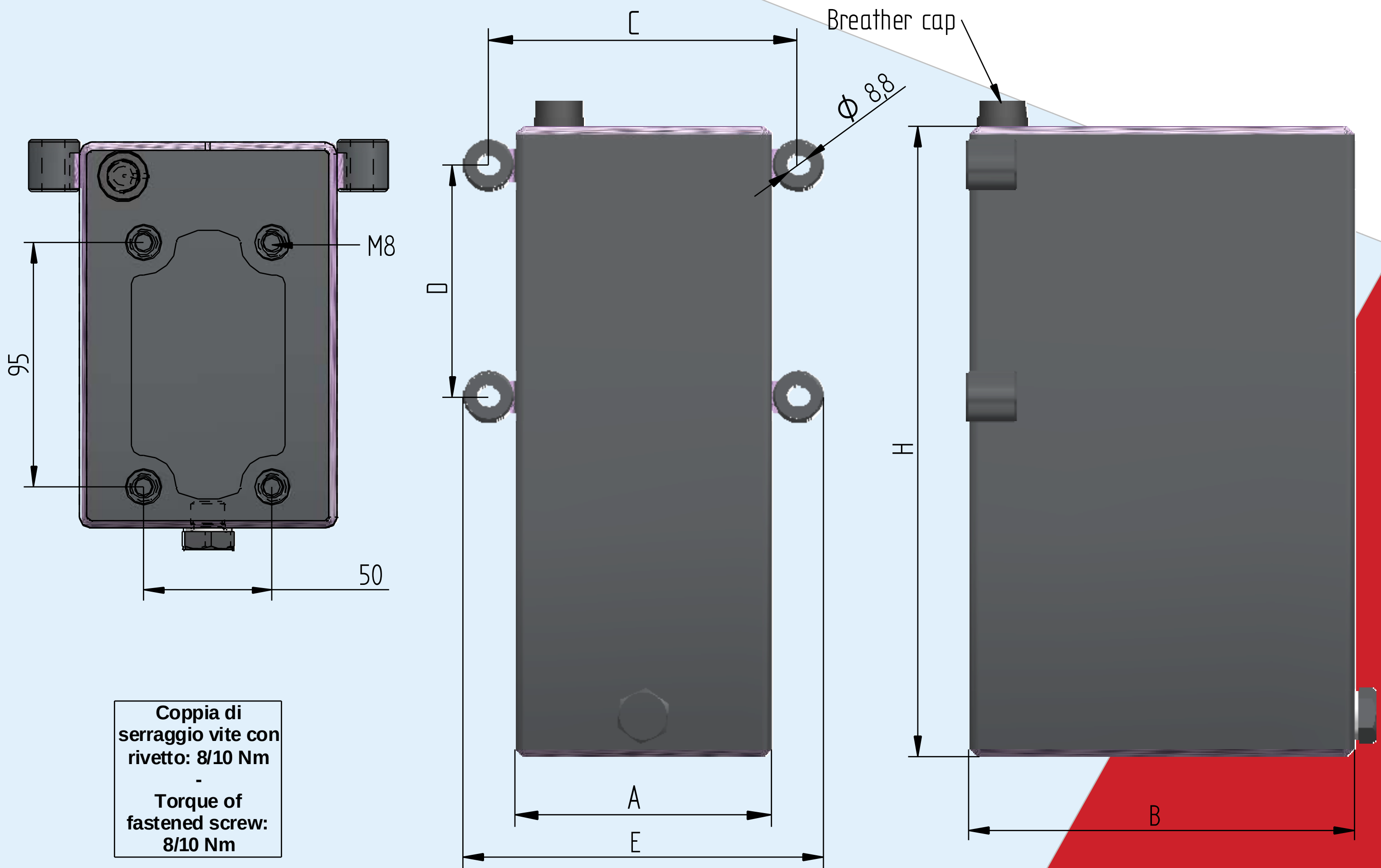
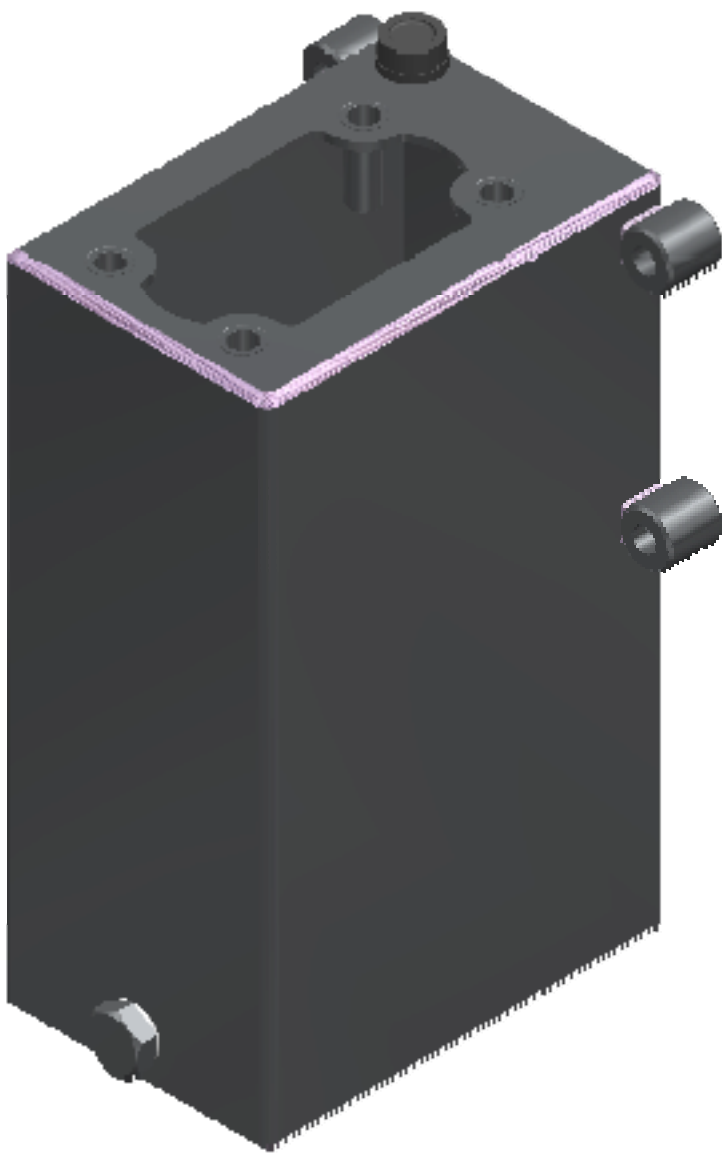
Diagramma prove di carico
Load curve



Codice / Code	AI316LV27X600	AI316LV27X400	AI316LV27X1000
Manopola in gomma - Plastic hand grip	X	X	X
Acciaio AISI316 - Stainless steel 316	X	X	X
Diametro esterno - Outside diameter D(mm)	27	27	27
L (mm)	600	400	1000
Peso - Weight (Kg)	0,9	0,6	1,5

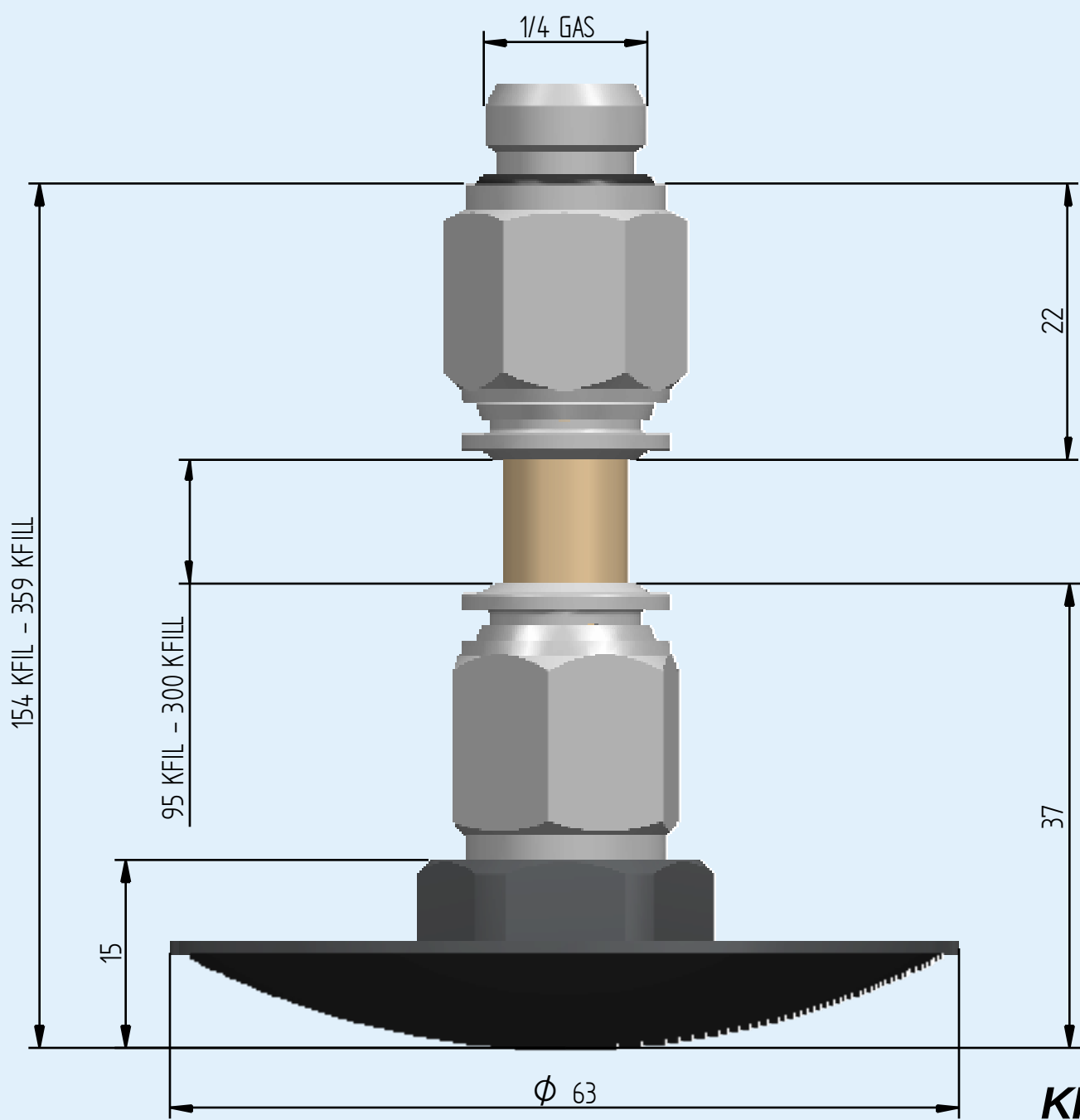


Codice / Code	AI316SR 01	AI316SR 02	AI316SR 03	AI316SR 05
Capacità - Tank capacity (litres)	1	2	3	5
Tappo sfiato - Breather cap	x	x	x	x
A (mm)	100	100	100	175
B (mm)	150	150	150	170
C (mm)	120	120	120	195
D (mm)	90	90	90	90
E (mm)	140	140	140	215
H (mm)	120	180	245	200
Peso - Weight (Kg)	2	2,2	2,5	4,5

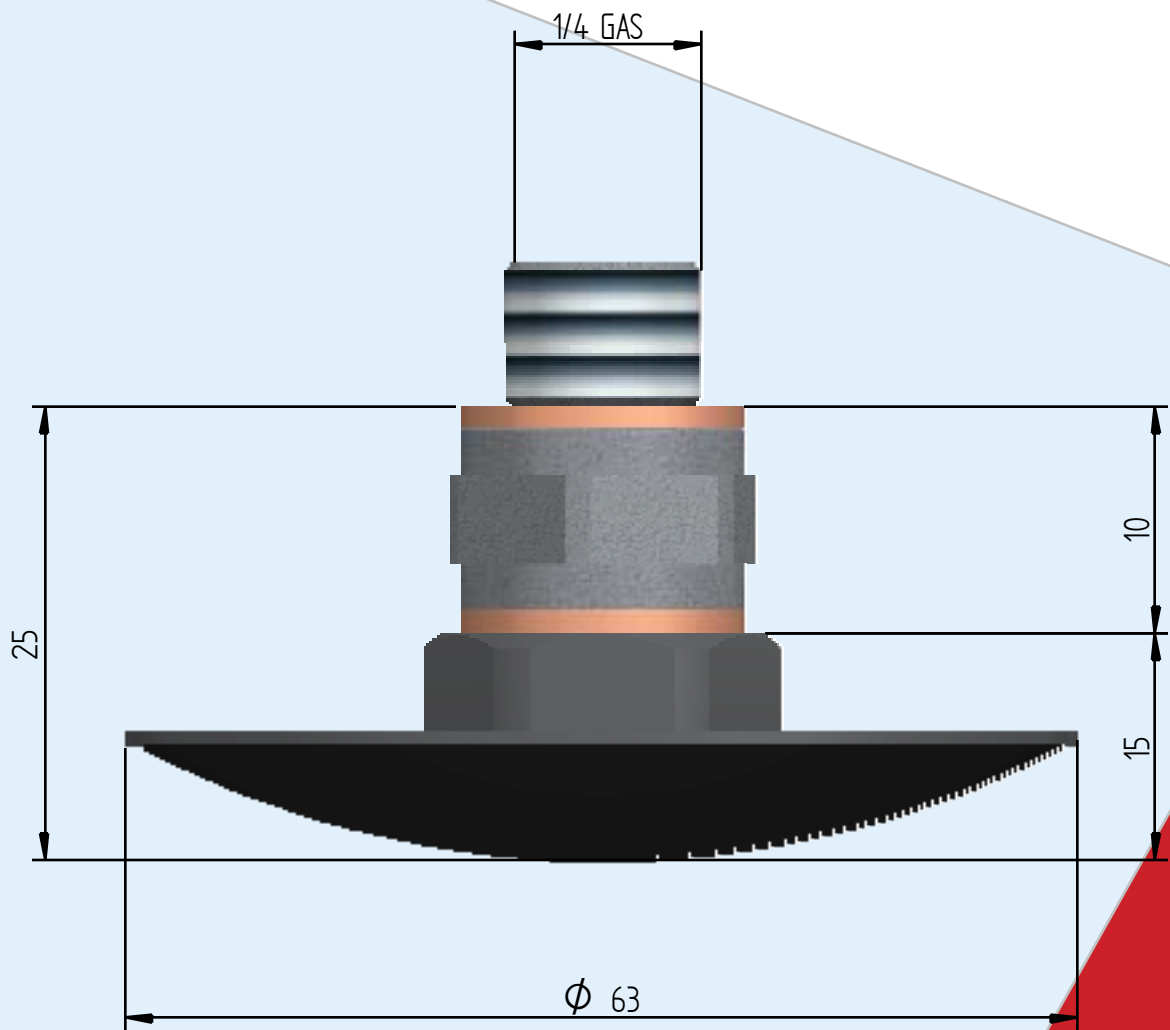


Codice / Code	KFIL	KFILS	KFILL	KRAC
Filtro / Filter (Micron)	90	90	90	520
Superficie filtrante / Filtering surface (mm2)	3000	3000	3000	415
Portata / Flow (Lt/Min)	7	7	7	2,5
Oil tank with measure H (mm) equal or less than 145 mm	NO	OK	NO	OK
Oil tank with measure H (mm) between 146 mm and 249 mm	OK	NO	NO	OK
Oil tank with measure H (mm) equal or more than 250 mm	NO	NO	OK	OK
Mounted with KCHP on oil tank	OK	NO	OK	OK

KFIL ~ KFILL

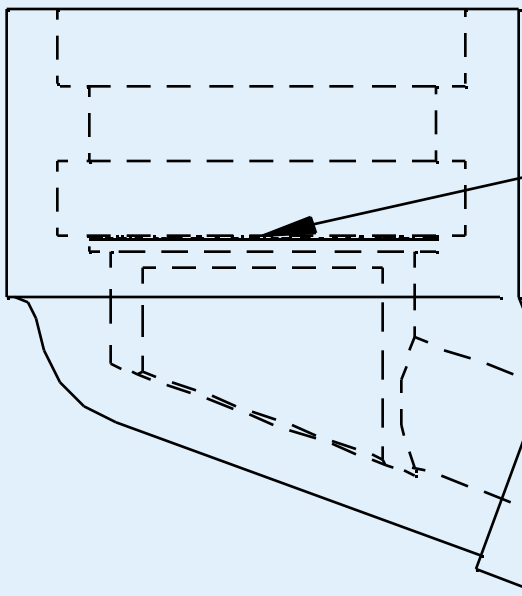
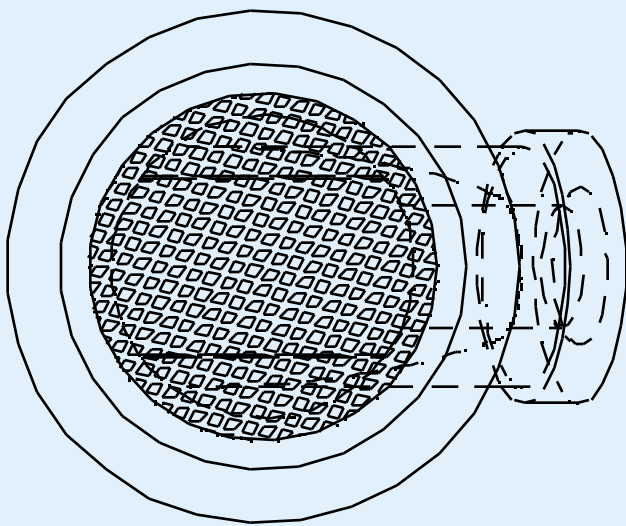


KFILS



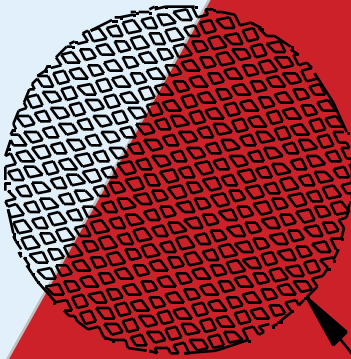
KFIL - KFILL - KFILS to be used only with 1/4 gas aspiration suction

KRAC



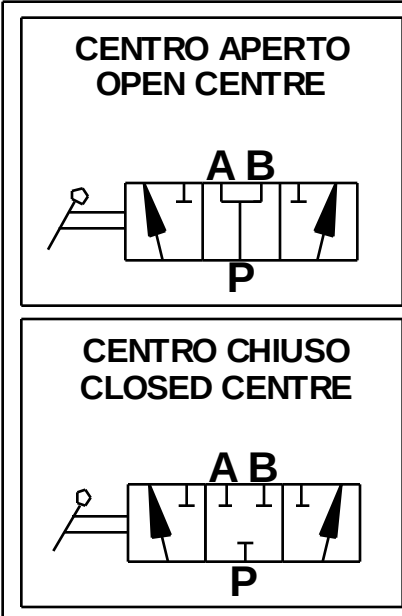
Filter

For pipe d.10 mm

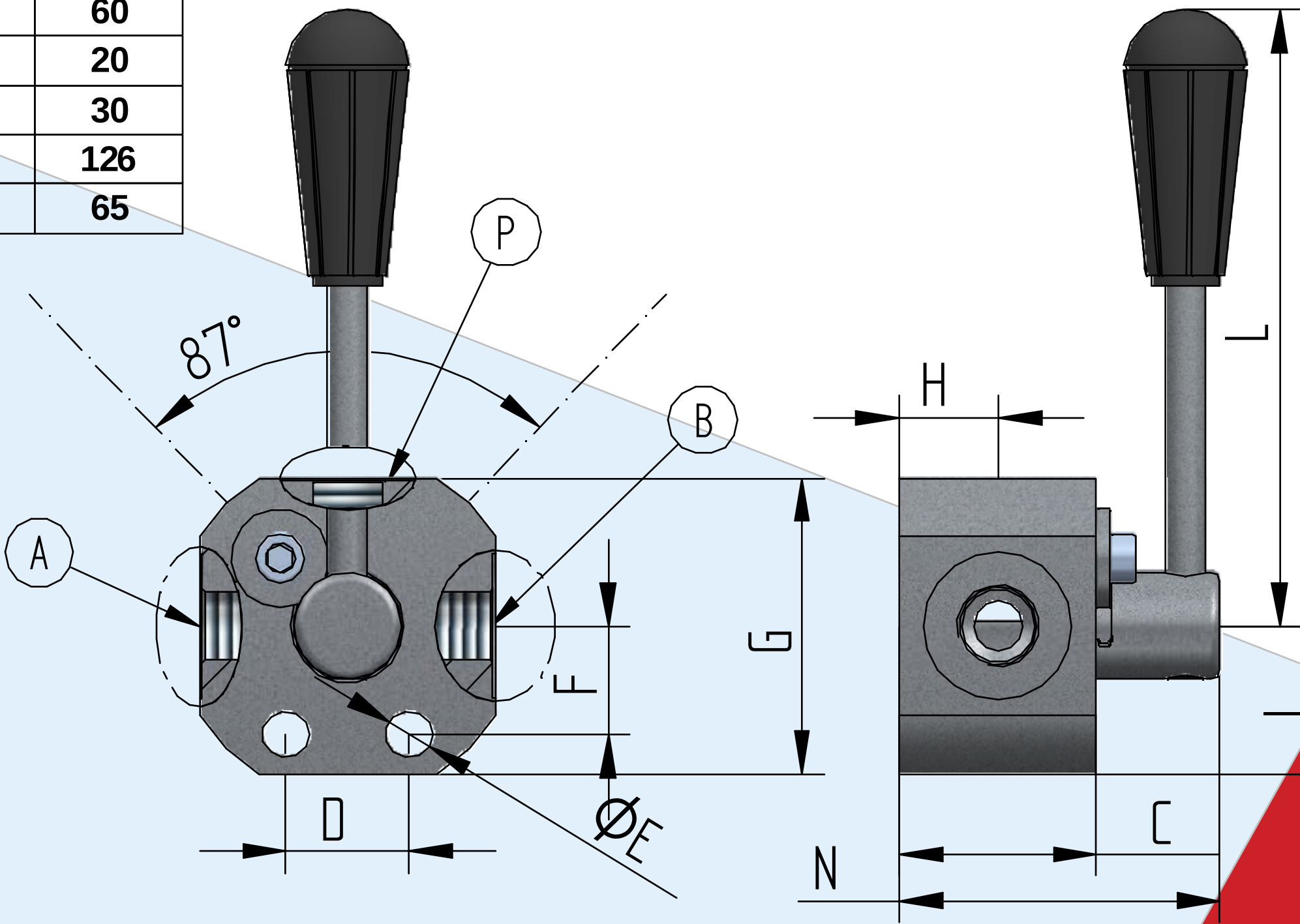


Filter

Descrizione / Codice Description / Code	AI316DEV AP 3V3/8	AI316DEV AP 3V1/2
Pressione massima - Max pressure Bar	400	400
Portata - Flow Lt/min	50	80
Peso - Weight Kg	1,10	1,15
A - B - P	3/8 GAS	1/2 GAS
C	40	40
D	26	26
E	9,5	9,5
F	22	22
G	60	60
H	20	20
I	30	30
L	126	126
N	65	65



3 VIE - 3 WAYS



Codice di ordinazione - Ordering code

AI316DEVAP

Option 1

3 V

Option 2

3/8
1/2

Option 3

CA
CC

Option 1

3V

N. 3 vie di connessione
N. 3 ways connection

Option 2

Thread A-B-P-A1-B1-P1

G3/8

Filetto 3/8 Gas - Thread 3/8 Gas

G1/2

Filetto 1/2 Gas - Thread 1/2 Gas

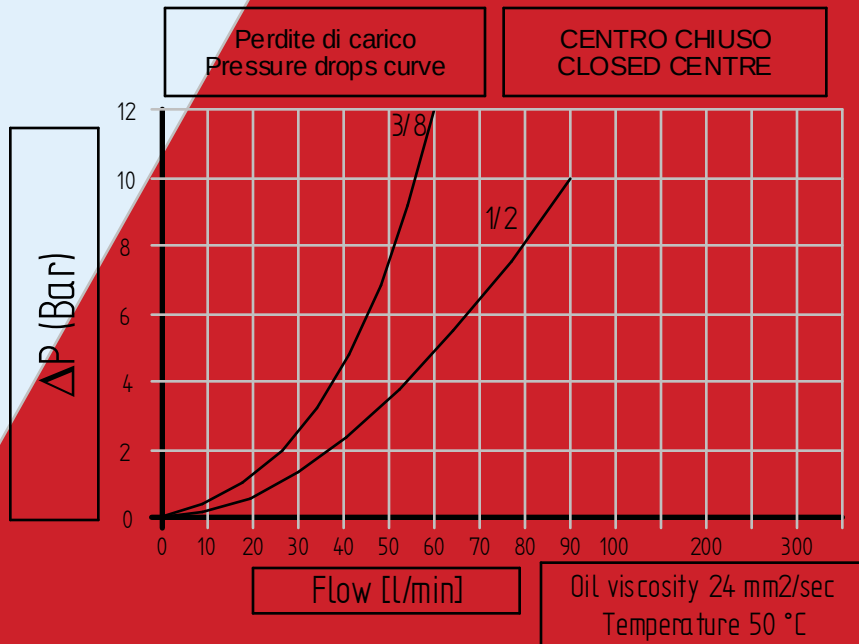
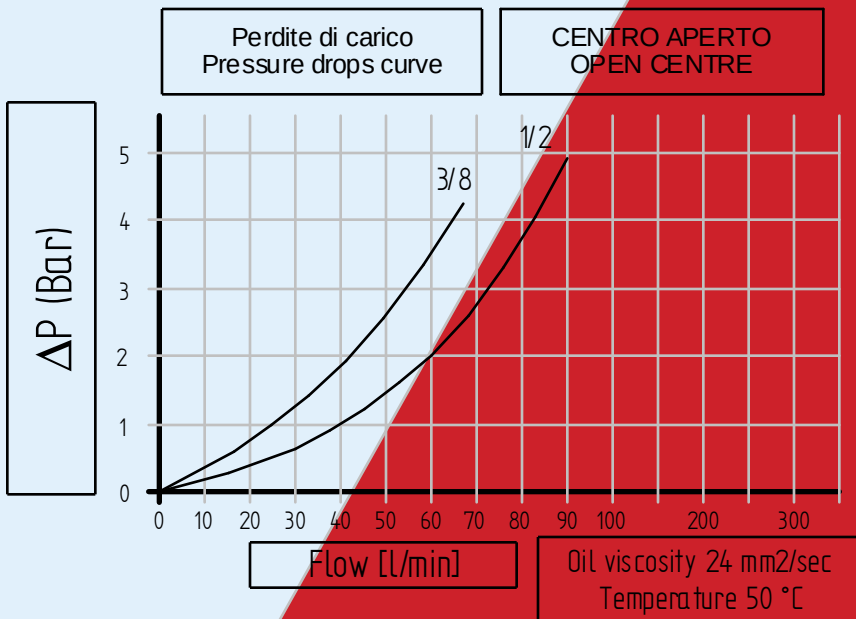
Option 3

CA

Cursore centro aperto
Open centre cursor

CC

Cursore centro chiuso
Closed centre cursor



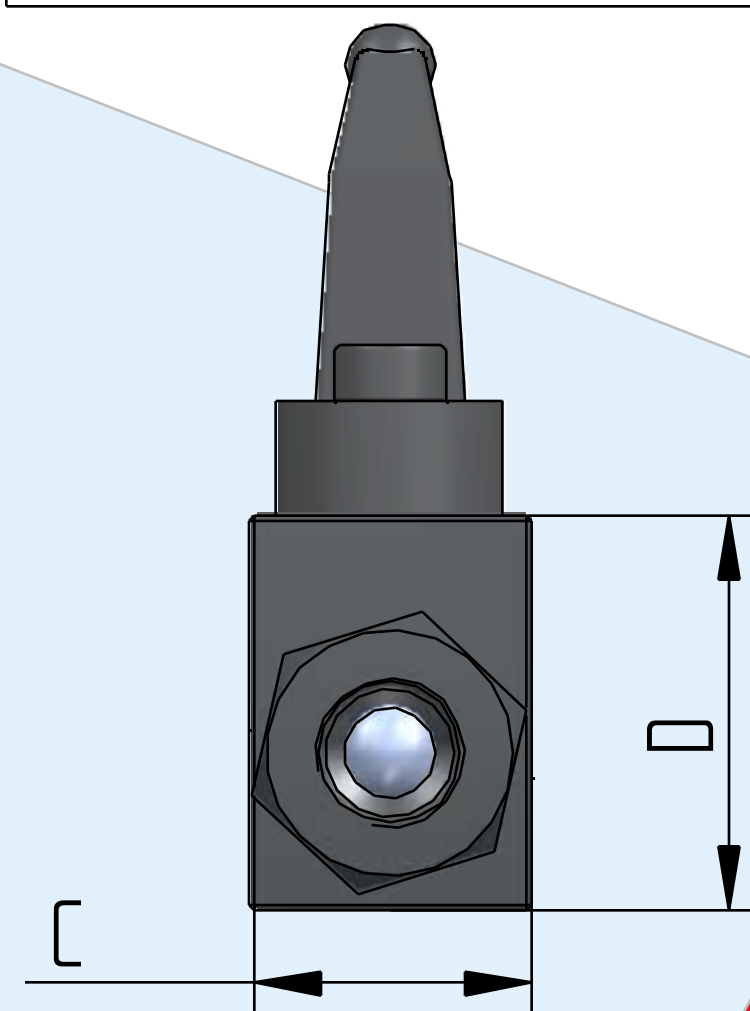
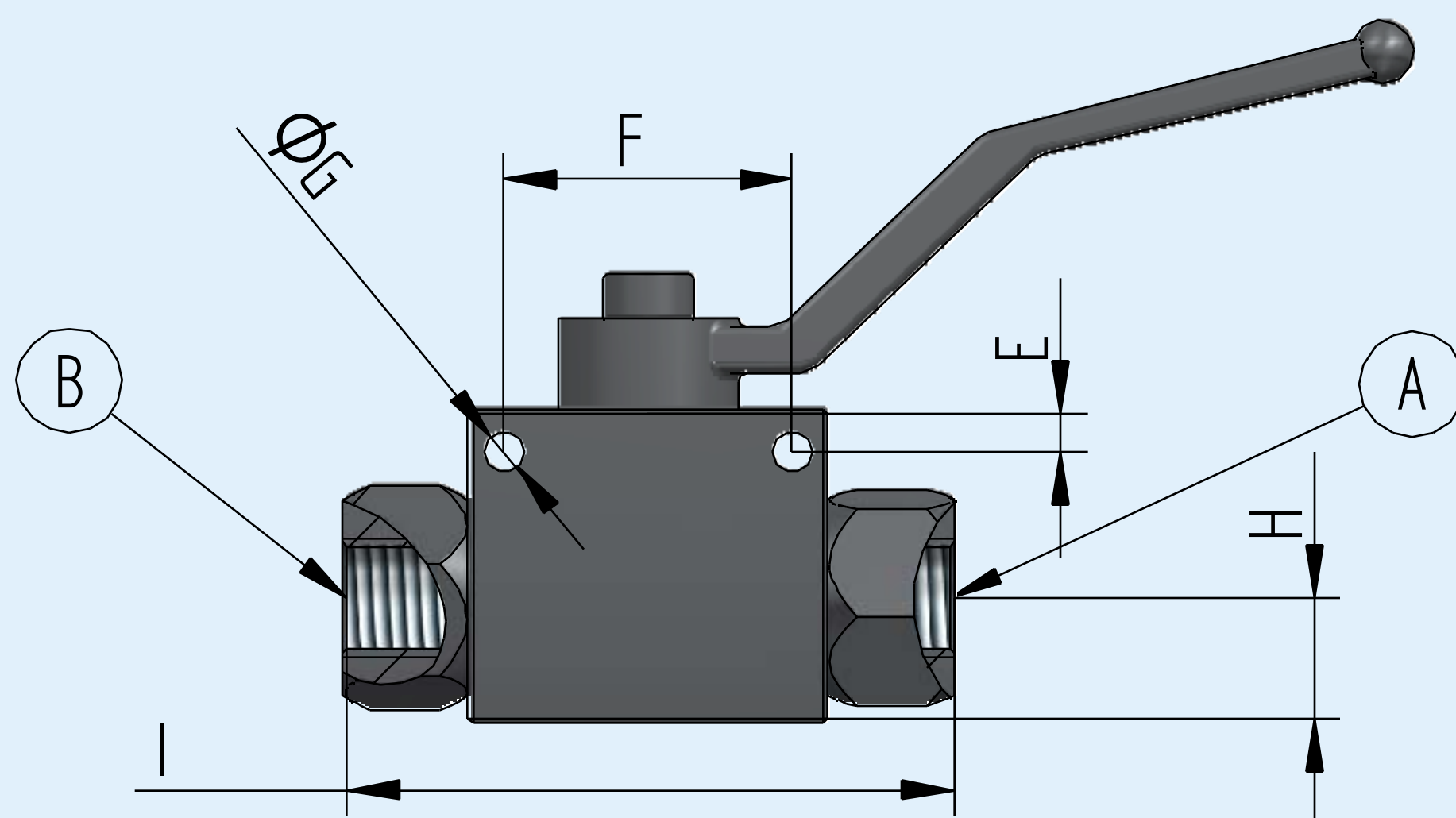
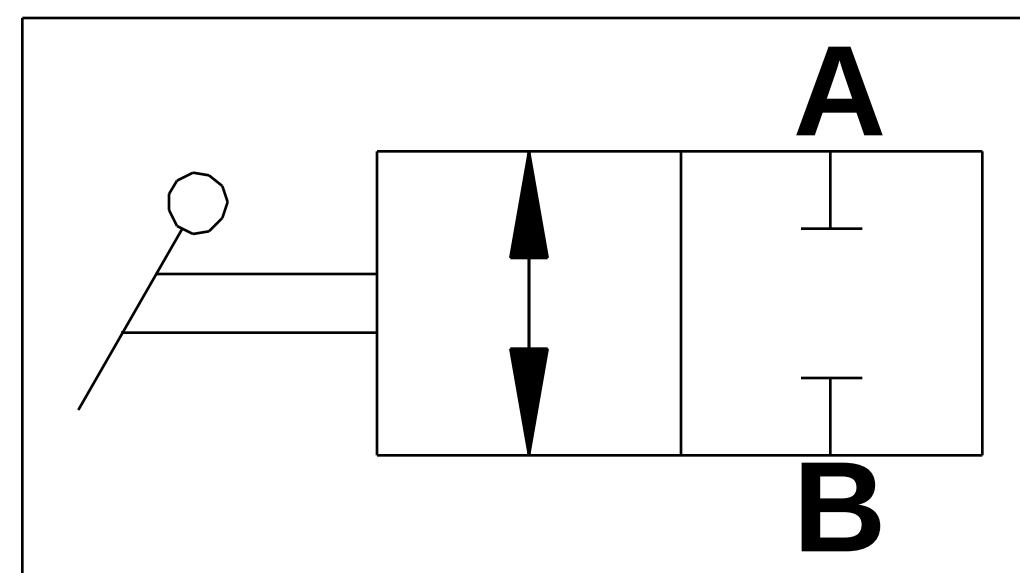
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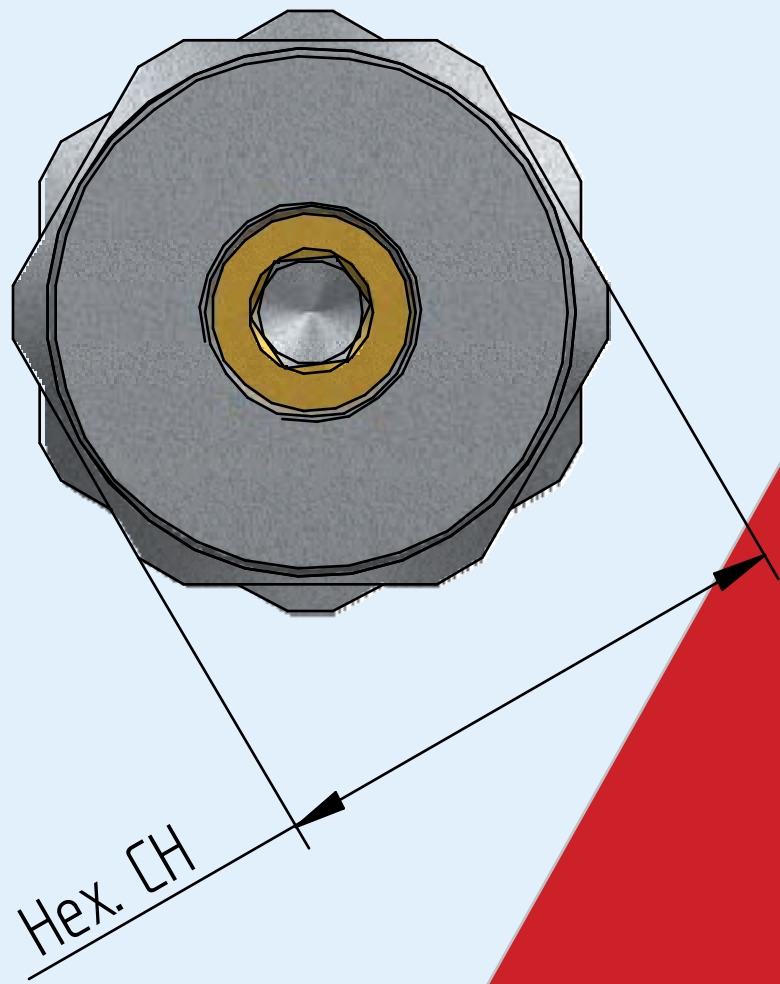
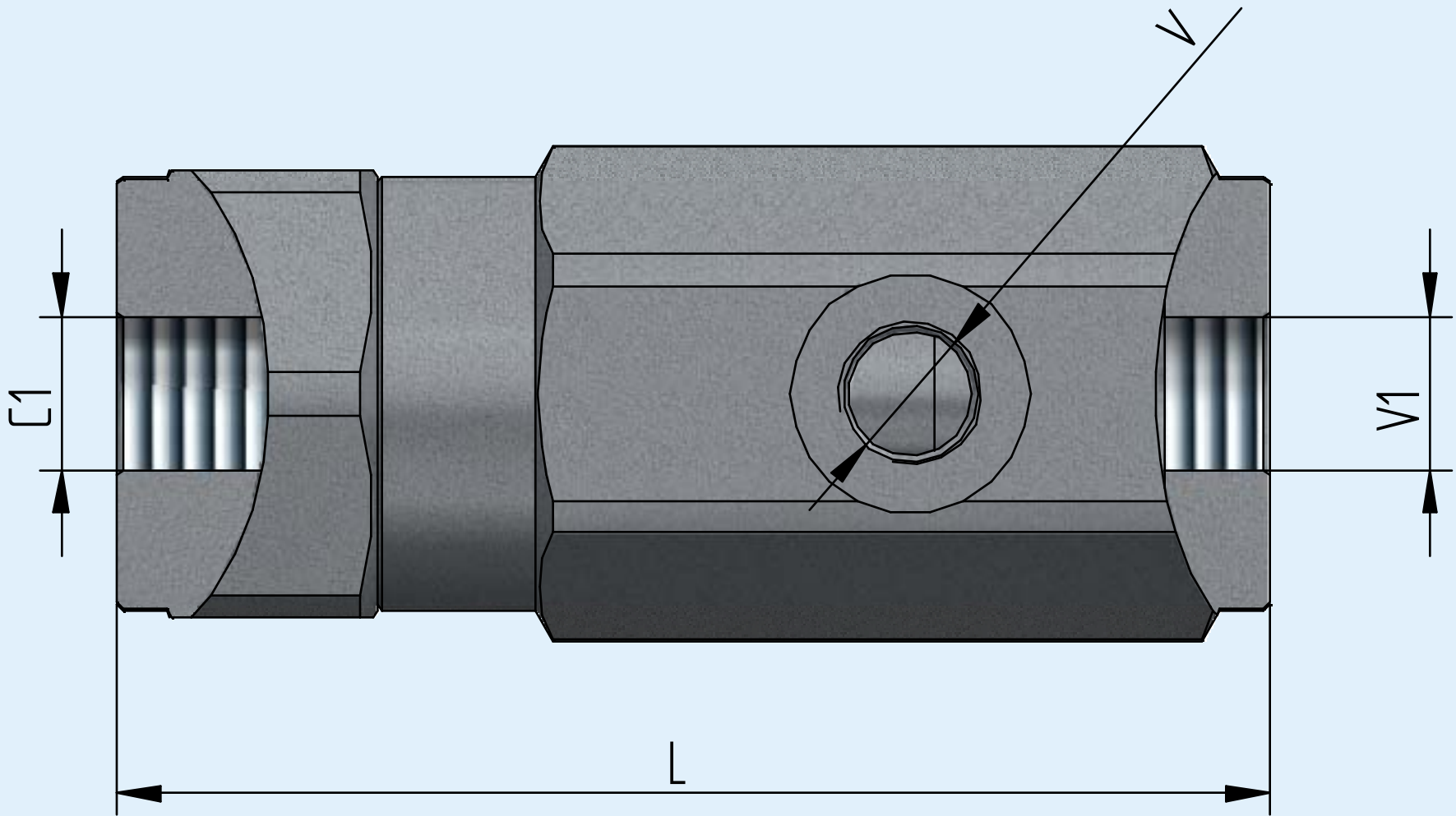
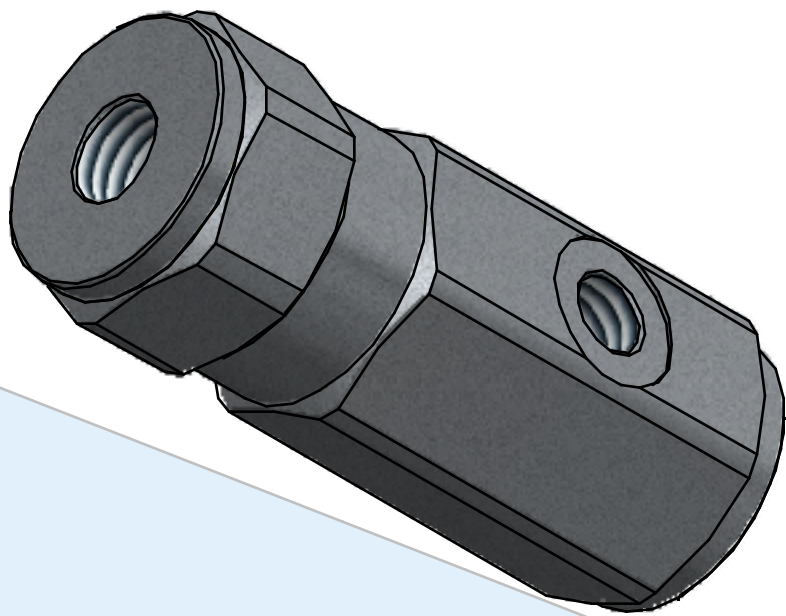
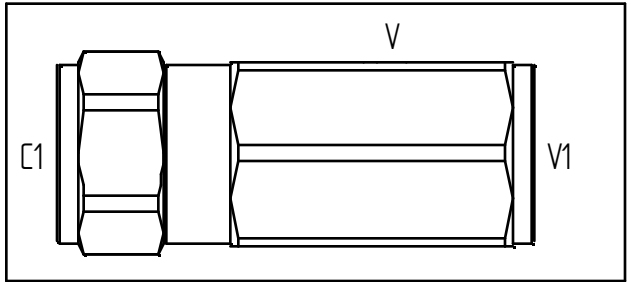
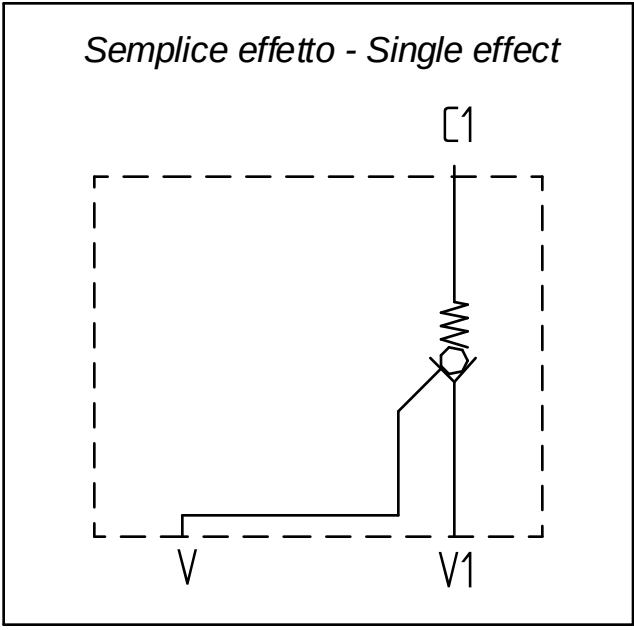
VH2V-

-SS316

Thread A-B

G1/4	Filetto 1/4 Gas - Thread 1/4 Gas
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas

Descrizione Description	AI316 VBPSE -G1/4	AI316 VBPSE -G3/8	AI316 VBPSE -G1/2
Pressione massima - Max pressure Bar	350	350	350
Portata - Flow Lt/min	25	40	60
Peso - Weight Kg	0,75	1	1
V1 - C1	3/8 GAS	3/8 GAS	3/8 GAS
V (Max 12 mm)	1/4 GAS	1/4 GAS	1/4 GAS
L	96	106	122
Hex. CH	36	41	41
Pressione apertura Opening pressure Bar	0,5	0,5	0,5
Rapporto pilotaggio - Pilot ratio	1:5	1:4.4	1:1.2
Materiale corpo - Body material	Stainless steel AISI316		



Codice di ordinazione
Ordering code

AI316VBP

Option 1	SE
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-

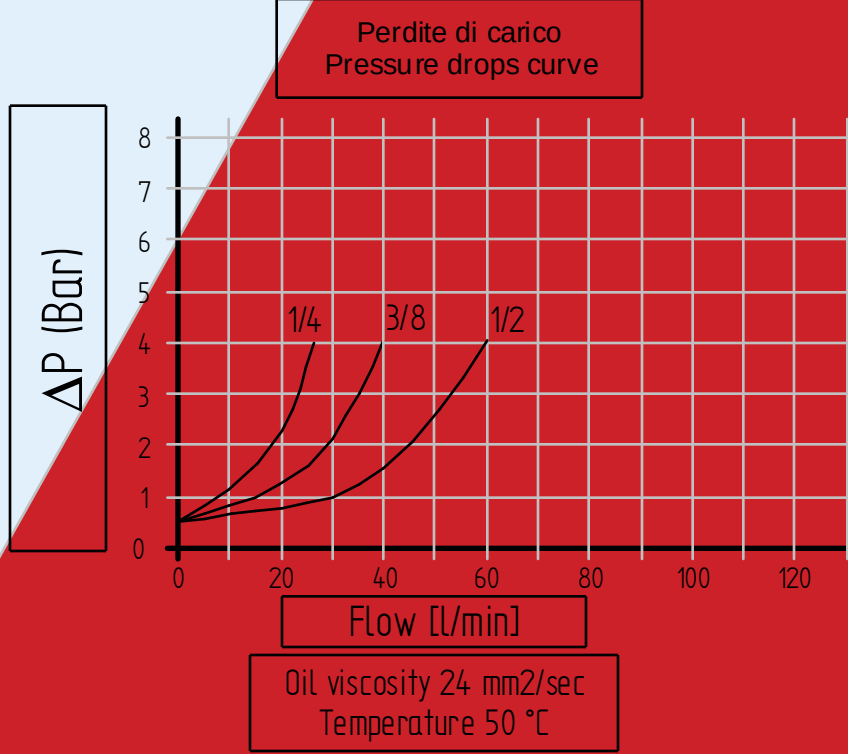
Option 2	1/4
	3/8
	1/2

Option 1

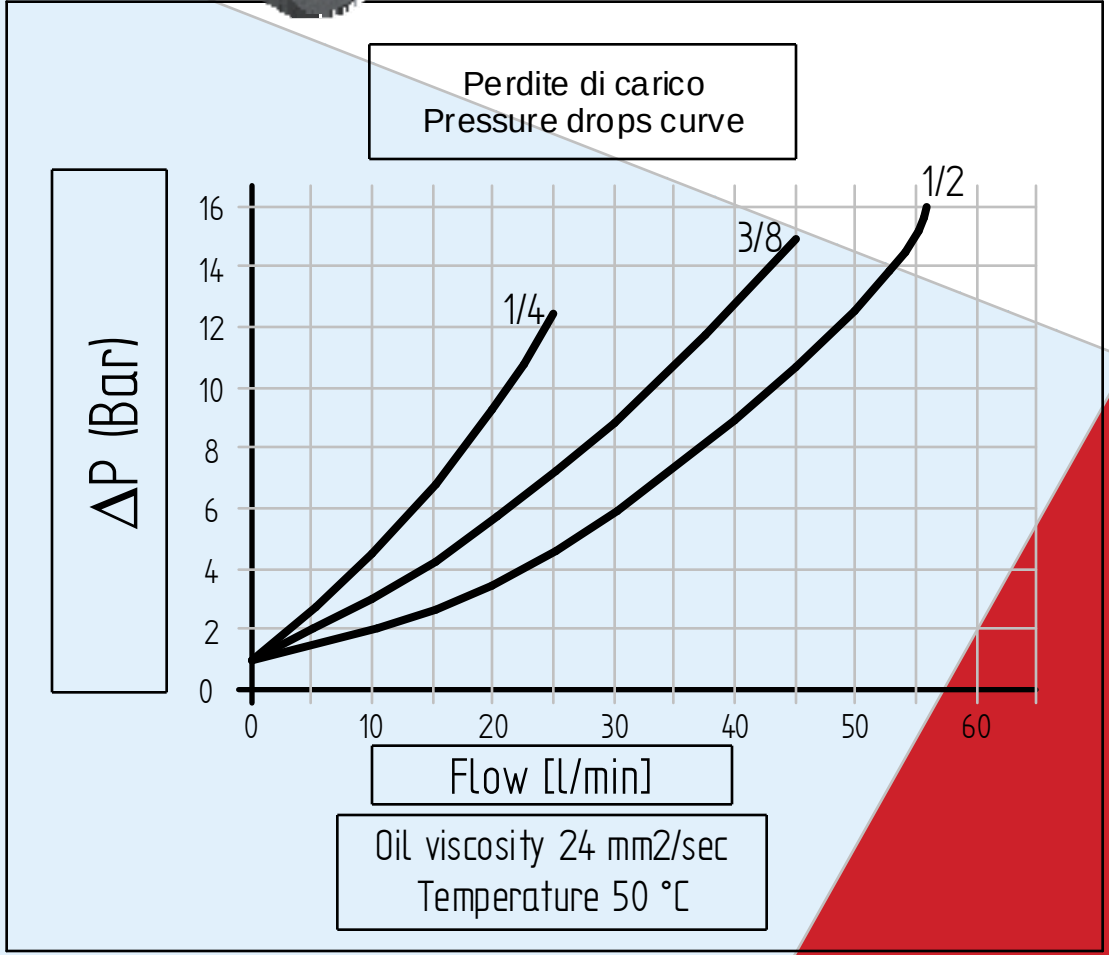
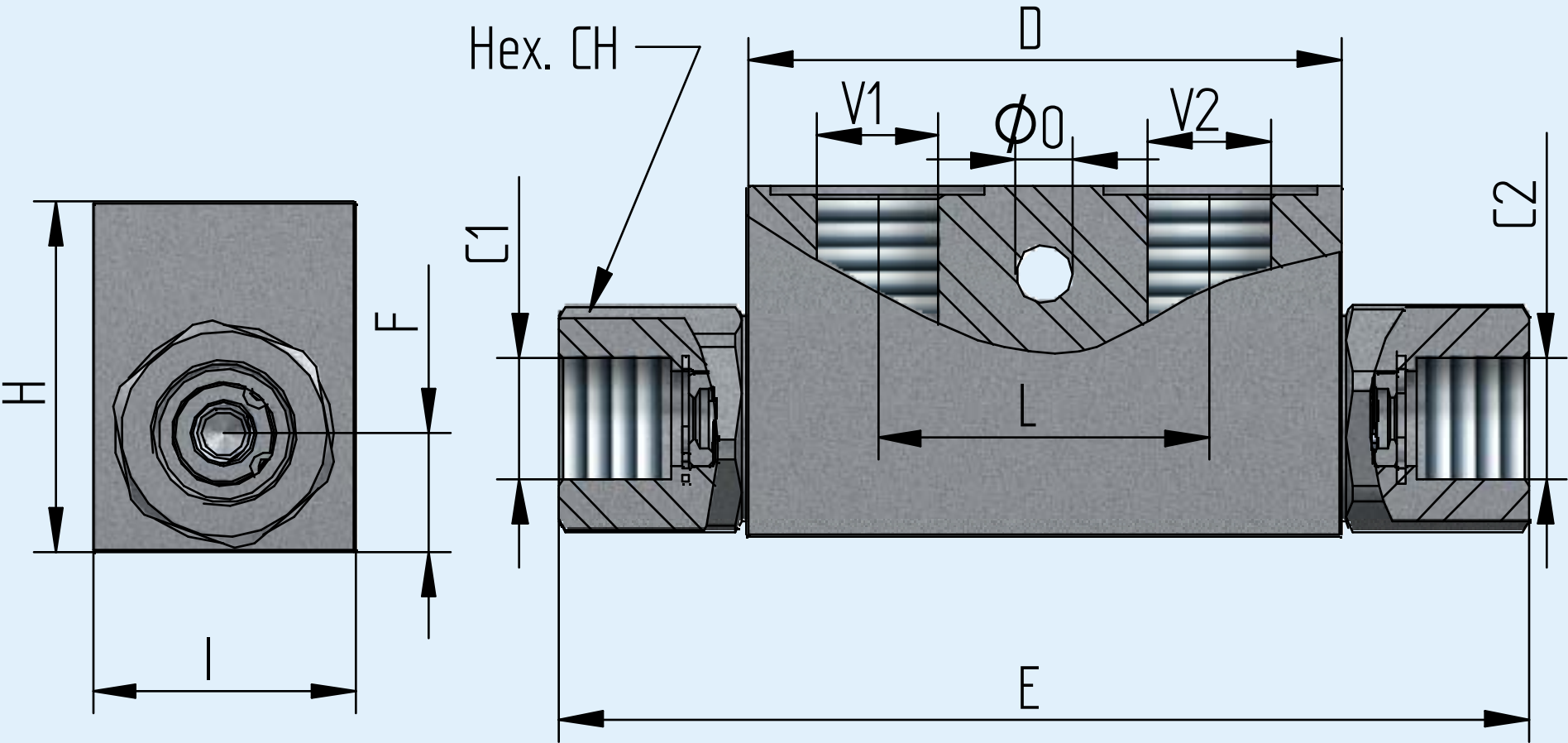
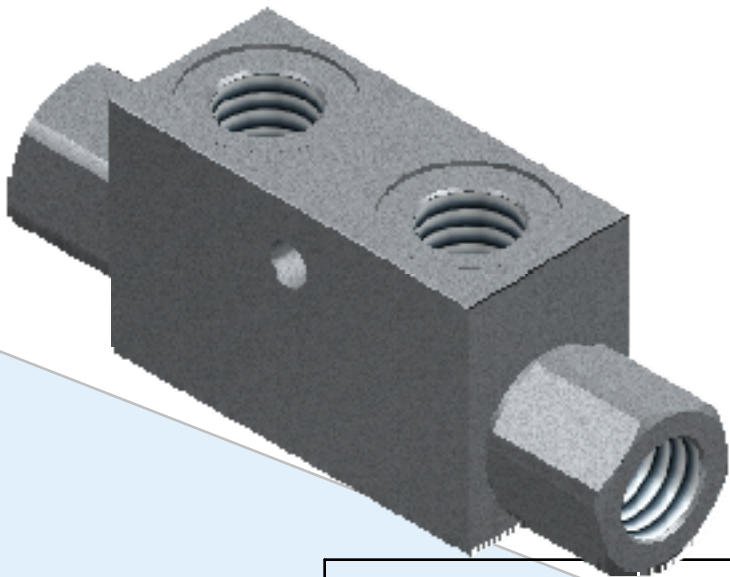
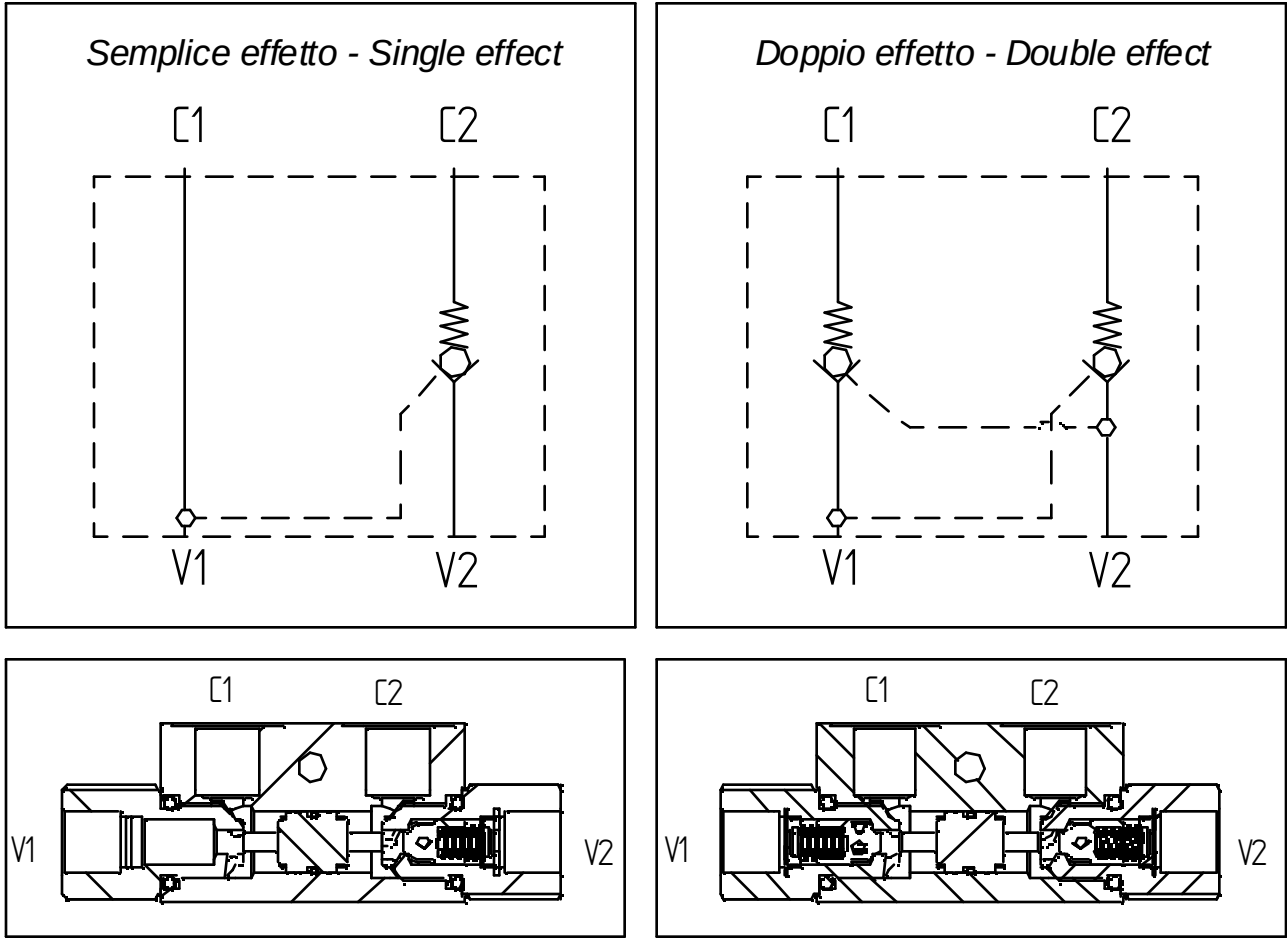
SE	Valvola di blocco a singolo effetto Check valve single acting
----	--

Option 2

Thread V1 - C1	
G1/4	Filetto 1/4 Gas Thread 1/4 Gas
G3/8	Filetto 3/8 Gas Thread 3/8 Gas
G1/2	Filetto 1/2 Gas Thread 1/2 Gas



Descrizione Description	AI316VB -G1/4	AI316 VB -G3/8	AI316 VB -G1/2
Pressione massima - Max pressure Bar	350	350	300
Portata - Flow Lt/min	30	30	50
Peso - Weight Kg	0,65	0,65	1,06
V1 - V2	1/4 GAS	3/8 GAS	1/2 GAS
C1 - C2	1/4 GAS	3/8 GAS	1/2 GAS
D	64	64	80
E	107	107	158
F	13,5	13,5	18
H	40	40	50
I	30	30	30
L	36	36	40
Hex. CH	24	24	30
O	5,5	7	6,5
Rapporto pilotaggio - Pilot ratio	1:4	1:4	1:3
Materiale corpo - Body material	STAINLESS STEEL AISI316		



Codice di ordinazione
Ordering code

AI316VB	Option 1 SE DE	-	Option 2 G1/4 G3/8 G1/2	Option 3 M N	Option 4 X
---------	----------------------	---	----------------------------------	--------------------	---------------

Option 1	
SE	Valvola di blocco a singolo effetto Check valve single acting
DE	Valvola di blocco a doppio effetto Check valve double acting

Option 2	
Thread V1 - V2	
G1/4	Filetto 1/4 Gas Thread 1/4 Gas
G3/8	Filetto 3/8 Gas Thread 3/8 Gas
G1/2	Filetto 1/2 Gas Thread 1/2 Gas

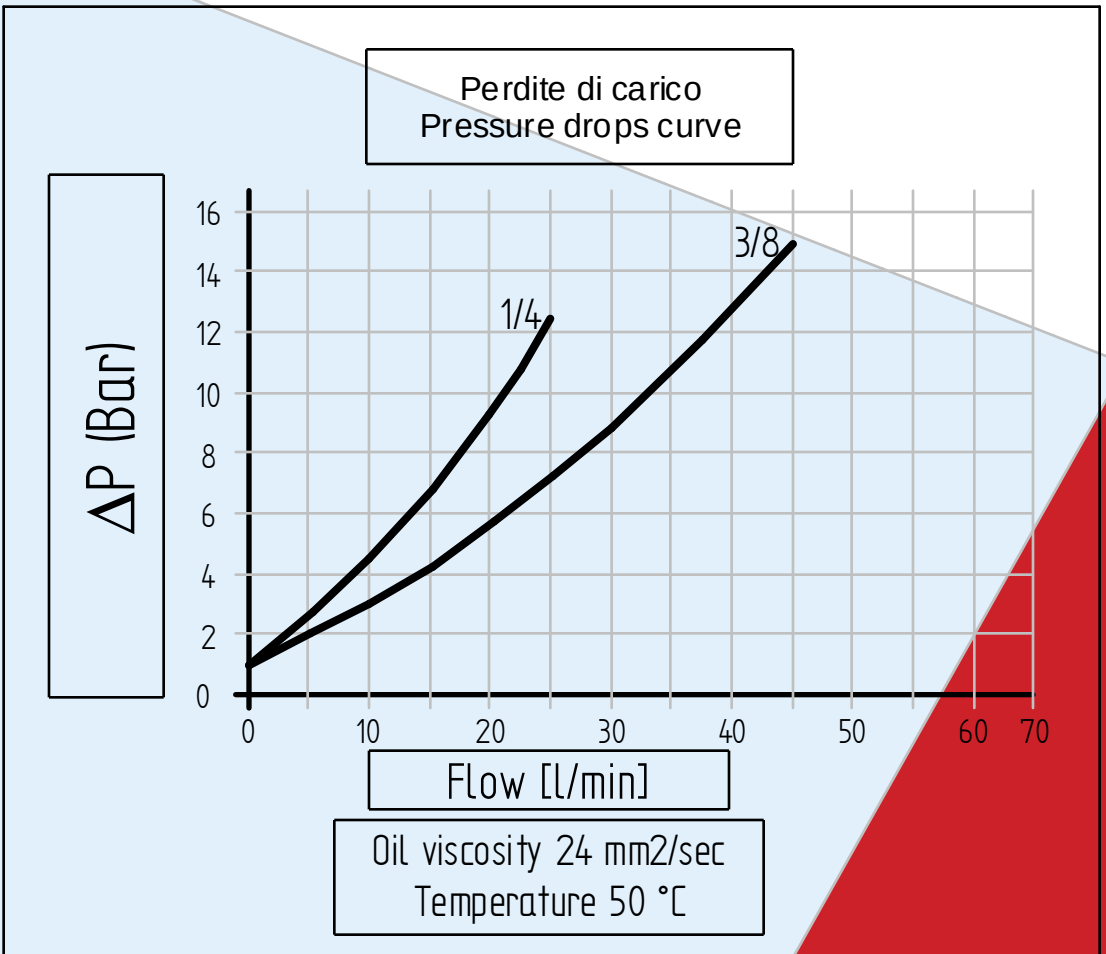
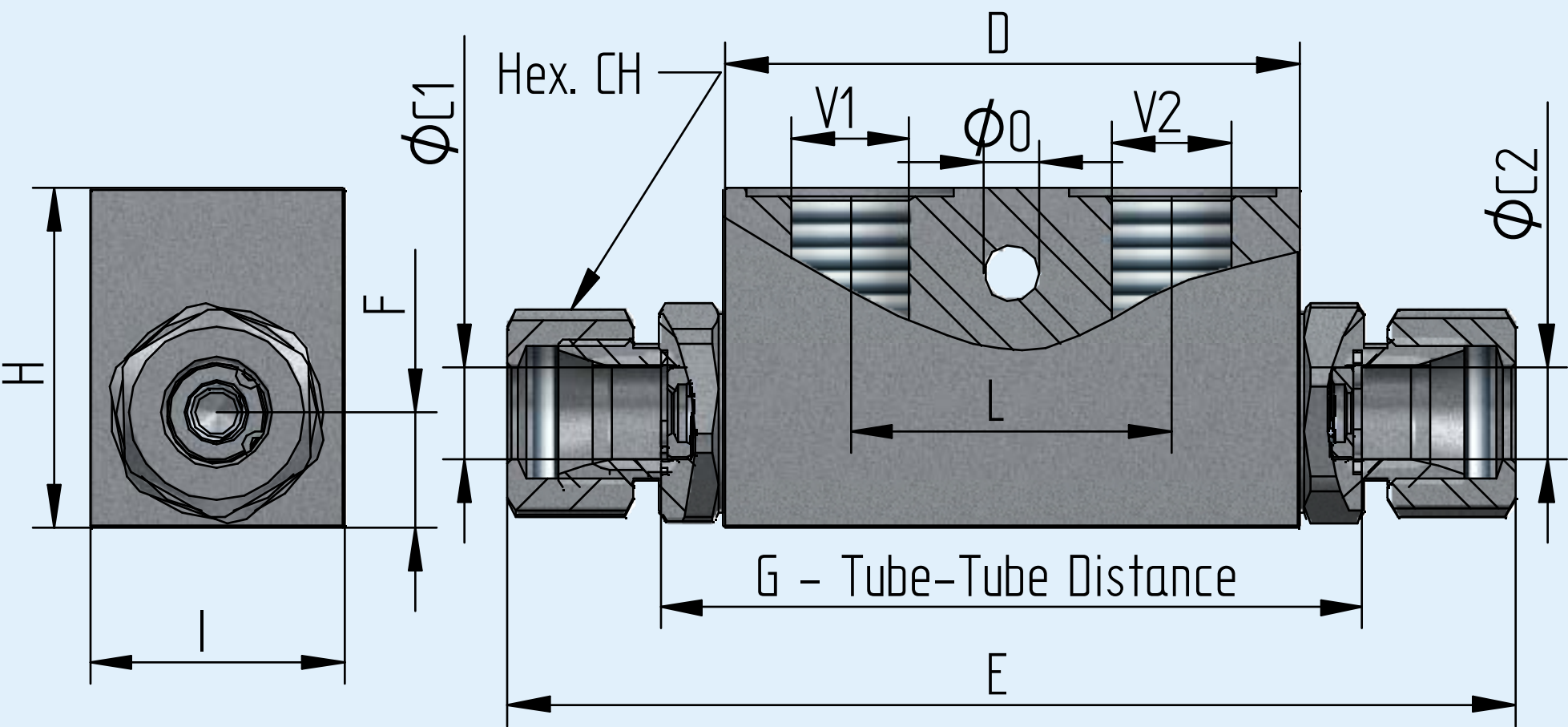
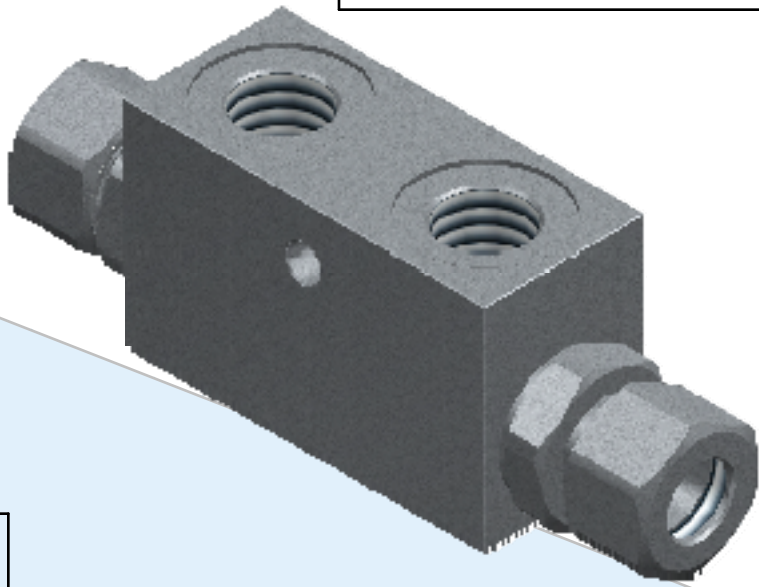
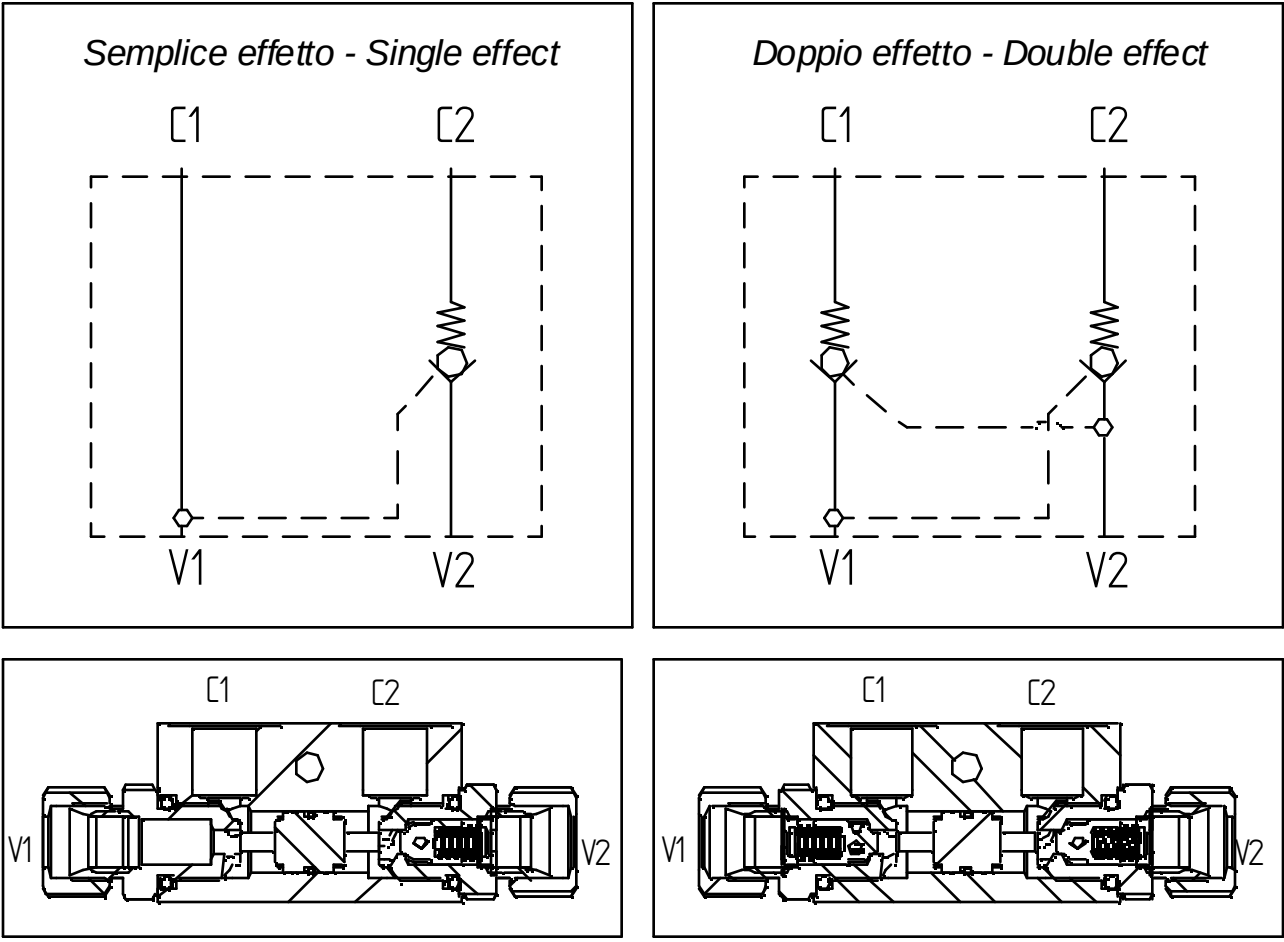
Option 3	
*= standard	
M (*)	O-Ring su pistone pilota With seal on pilot piston
N	Senza O-Ring su pistone pilota Without seal on pilot piston

Nel caso non si indicasse l'Opzione3 e/o l'Opzione4,
sarà fornita in configurazione standard.

If Option3 and/or Option4 are not indicated,
standard configuration will be considered.

Option 4	*= standard
X (*)	Pressione di apertura Cracking pressure 3 Bar

Descrizione Description	AI316 VB -G1/4	AI316 VB -G3/8
Pressione massima - Max pressure Bar	350	350
Portata - Flow Lt/min	30	30
Peso - Weight Kg	0,65	0,65
V1 - V2	1/4 GAS	3/8 GAS
C1 - C2	Ø 12	Ø 12
D	65	65
E	129	129
F	13,5	13,5
G	84	84
H	40	40
I	30	30
L	36	36
Hex. CH	22	22
O	5,5	7
Rapporto pilotaggio - Pilot ratio	1:4,6	1:4,6
Materiale corpo - Body material	STAINLESS STEEL AISI316	



Codice di ordinazione
Ordering code

AI316VB	Option 1 SD DD	-	Option 2 G1/4 G3/8	Option 3 M N	Option 4 X
---------	----------------------	---	--------------------------	--------------------	---------------

Nel caso non si indicasse l'Opzione3 e/o l'Opzione4,
sarà fornita in configurazione standard.

If Option3 and/or Option4 are not indicated,
standard configuration will be considered.

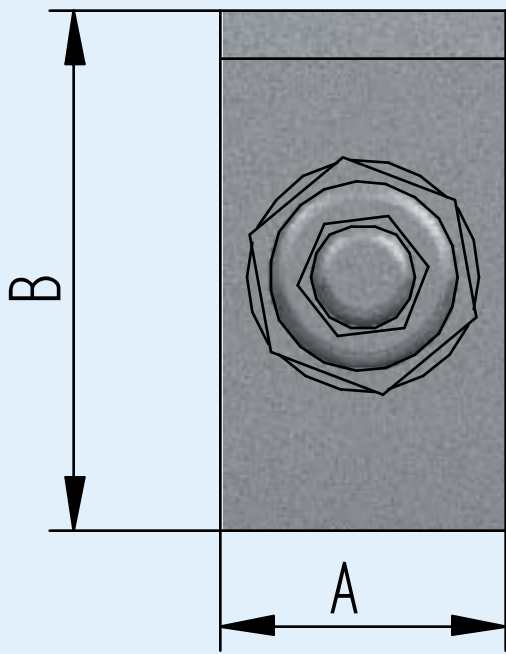
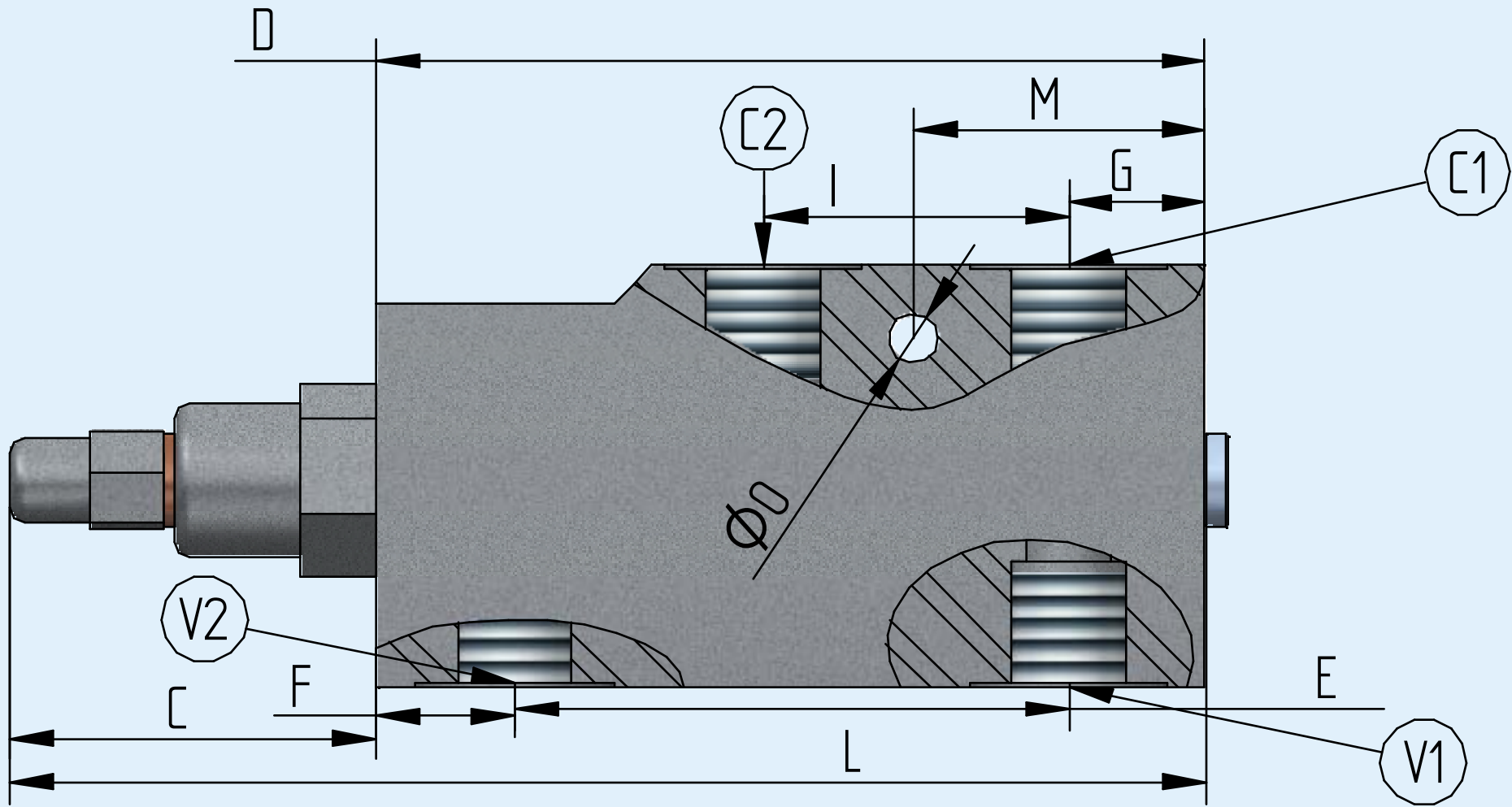
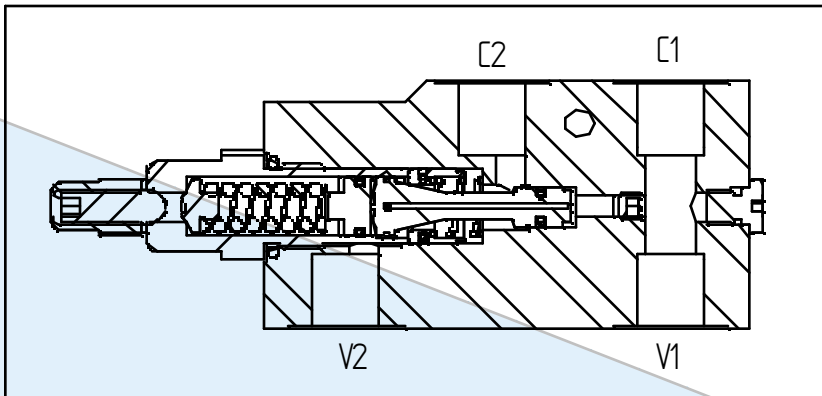
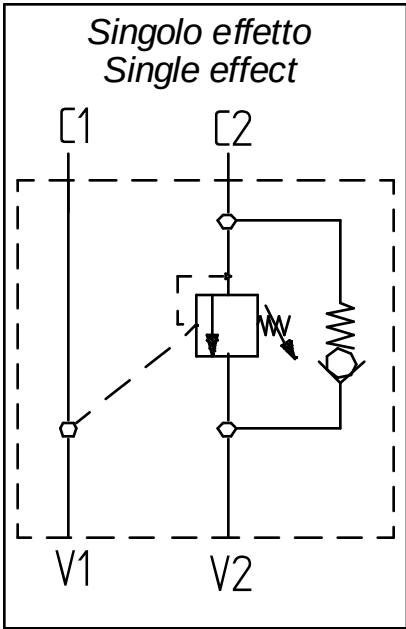
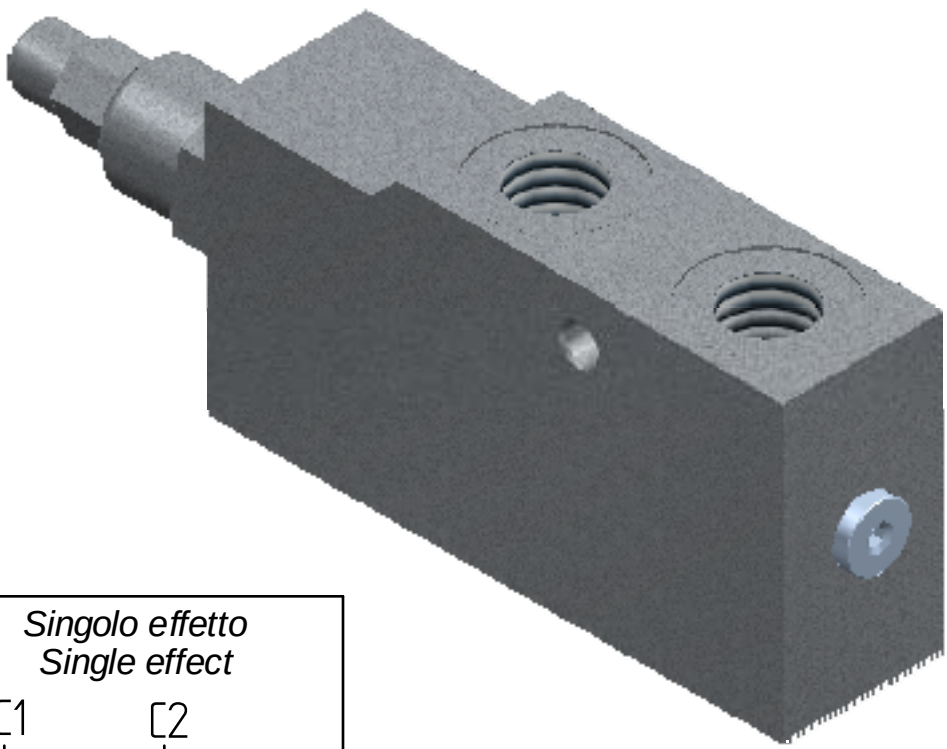
Option 1	
SD	Valvola di blocco a singolo effetto Check valve single acting
DD	Valvola di blocco a doppio effetto Check valve double acting

Option 2	
Thread V1 - V2	
G1/4	Filetto 1/4 Gas Thread 1/4 Gas
G3/8	Filetto 3/8 Gas Thread 3/8 Gas

Option 3	*= standard
M (*)	O-Ring su pistone pilota With seal on pilot piston
N	Senza O-Ring su pistone pilota Without seal on pilot piston

Option 4	*= standard
X (*)	Pressione di apertura Cracking pressure 1 Bar

Descrizione Description		AI316 VOSE -G1/4	AI316 VOSE -G3/8	AI316 VOSE -G1/2
Pressione massima Max pressure	Bar	350	350	350
Portata - Flow	Lt/min	30	40	60
Peso - Weight	Kg	1,4	1,4	1,4
V1 - V2 - C1 - C2		3/8 GAS	3/8 GAS	1/2 GAS
A		30	30	30
B		60	60	60
C		(54)	(54)	(54)
D		105	105	105
E		64	64	64
F		25	25	25
G		16	16	16
I		38	38	38
M		35	35	35
O		6,5	6,5	6,5
Rapporto pilotaggio - Pilot ratio		1:4,25	1:4,25	1:4,25



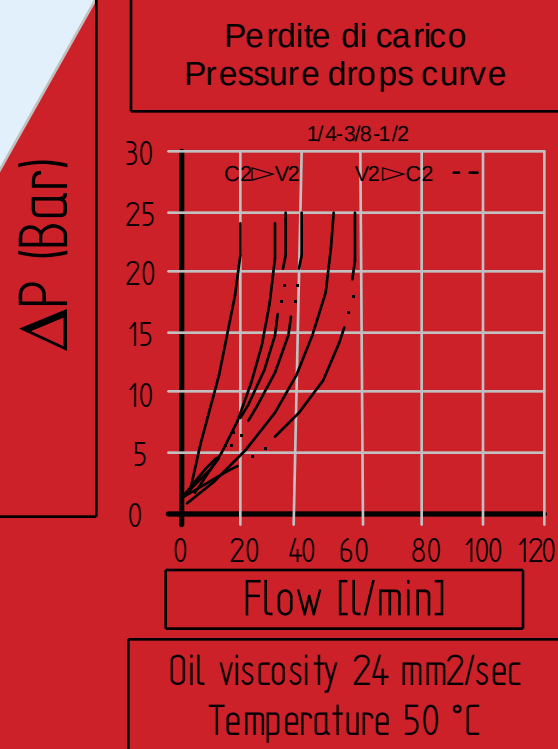
Codice di ordinazione
Ordering code

AI316VOSE -	Option 1	G1/4	Option 2	X Y
		G3/8		
		G1/2		

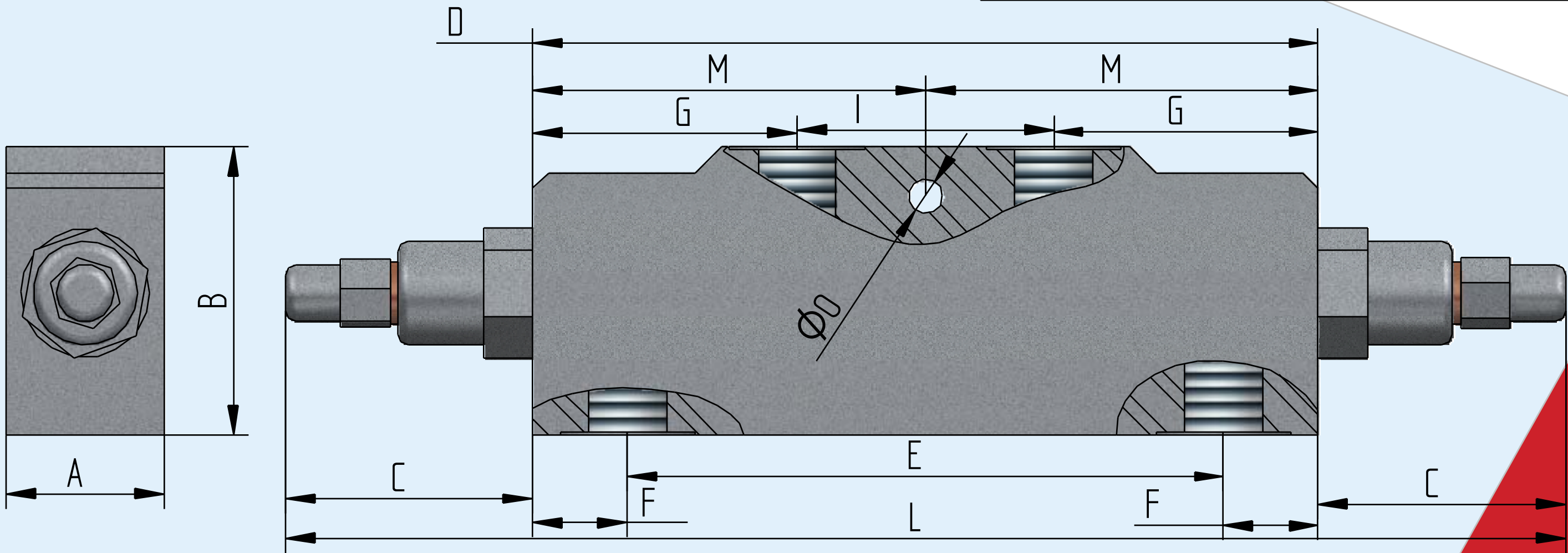
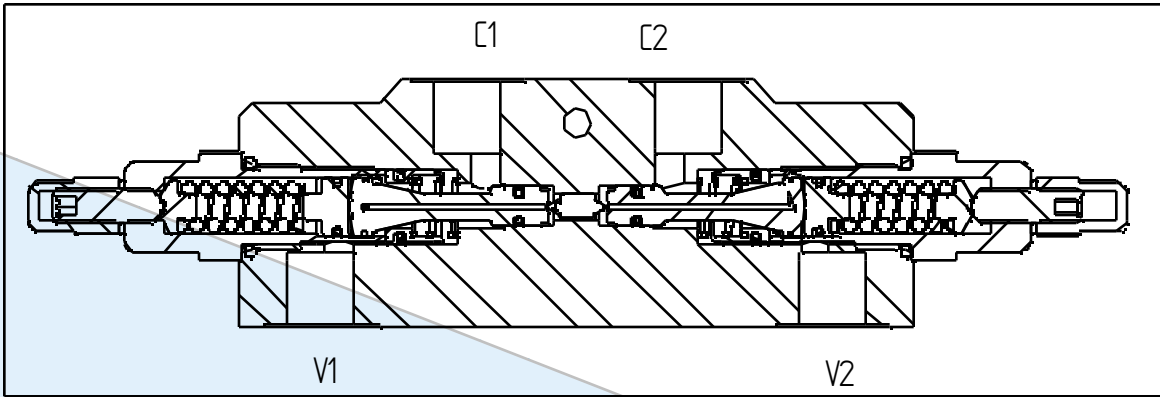
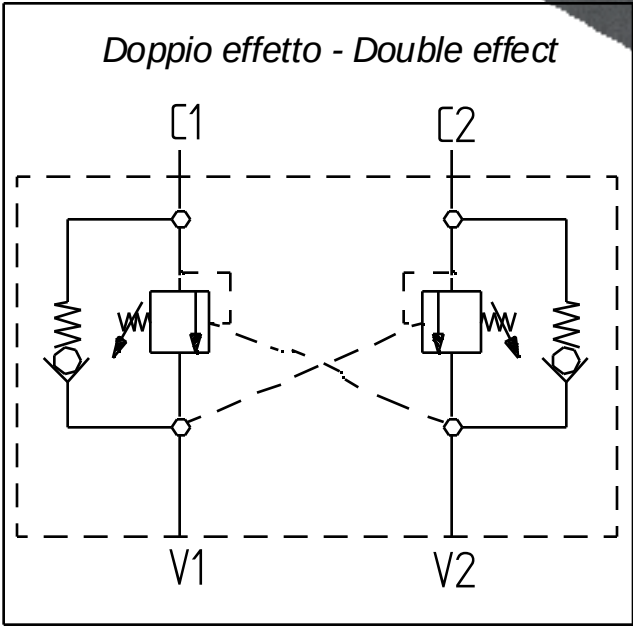
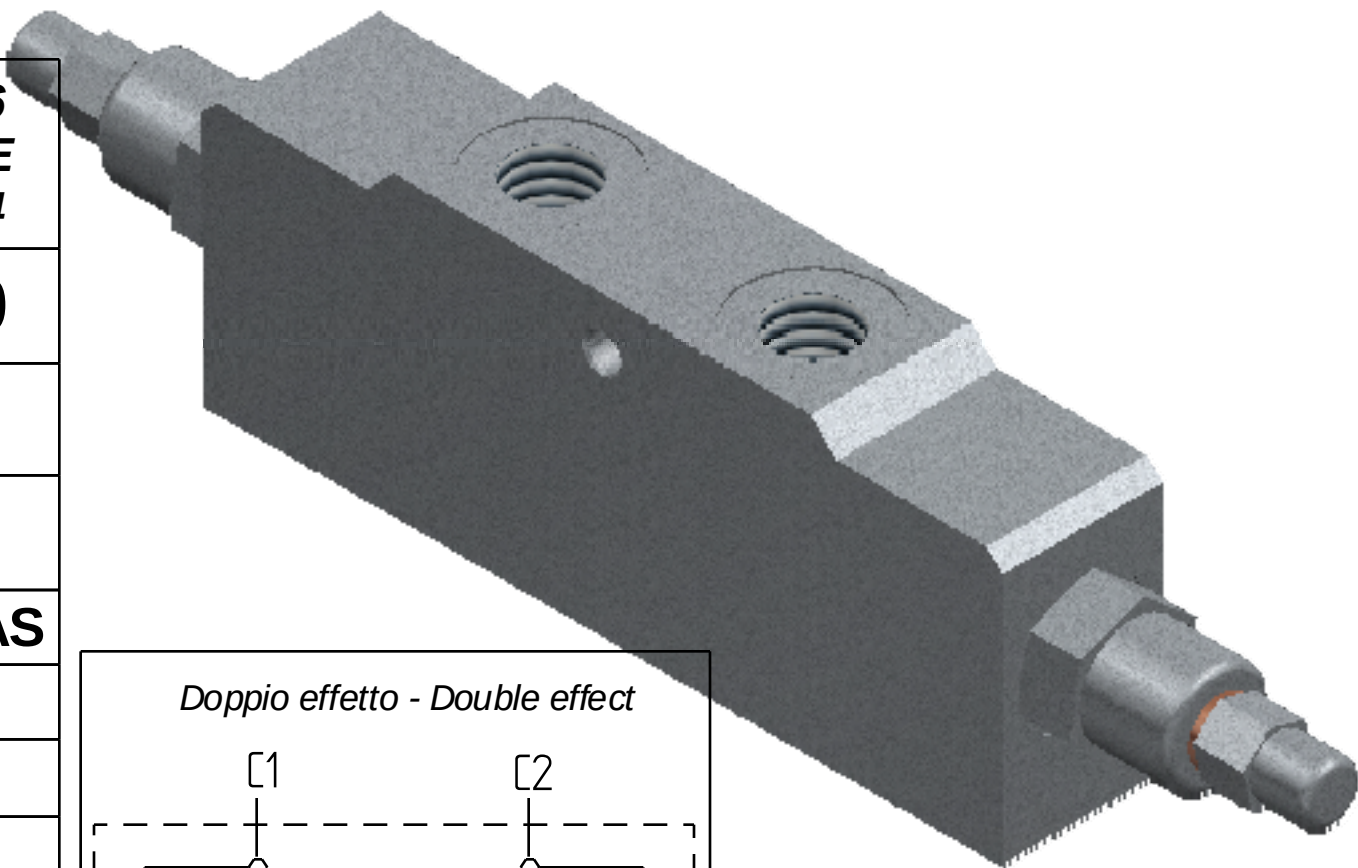
Option 1	Option 2	Taratura - Range setting
Thread V1 - V2 - C1 - C2	X (Standard)	30 - 210 Bar
G1/4 Filetto 1/4 Gas Thread 1/4 Gas	Y	60 - 350 Bar
G3/8 Filetto 3/8 Gas Thread 3/8 Gas		
G1/2 Filetto 1/2 Gas Thread 1/2 Gas		

Nel caso non si indicasse l'Opzione2 ,
sarà fornita in configurazione standard.

If Option2 is not indicated,
standard configuration will be considered.



Descrizione Description		AI316 VODE -G1/4	AI316 VODE -G3/8	AI316 VODE -G1/2	AI316 VODE -G3/4
Pressione massima Max pressure	Bar	350	350	350	350
Portata - Flow	Lt/min	30	40	60	90
Peso - Weight	Kg	2,10	2,06	2,00	3,8
V1 - V2 - C1 - C2		1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS
A		30	30	30	35
B		60	60	70	80
C		(54)	(54)	(54)	(57)
D		150	150	150	190
E		110	110	110	143
F		20	20	20	23,5
G		45	45	45	55
I		50	50	50	65
O		8,5	8,5	8,5	8,5
Rapporto pilotaggio - Pilot ratio		1:4,25	1:4,25	1:4,25	1:6,25



Codice di ordinazione

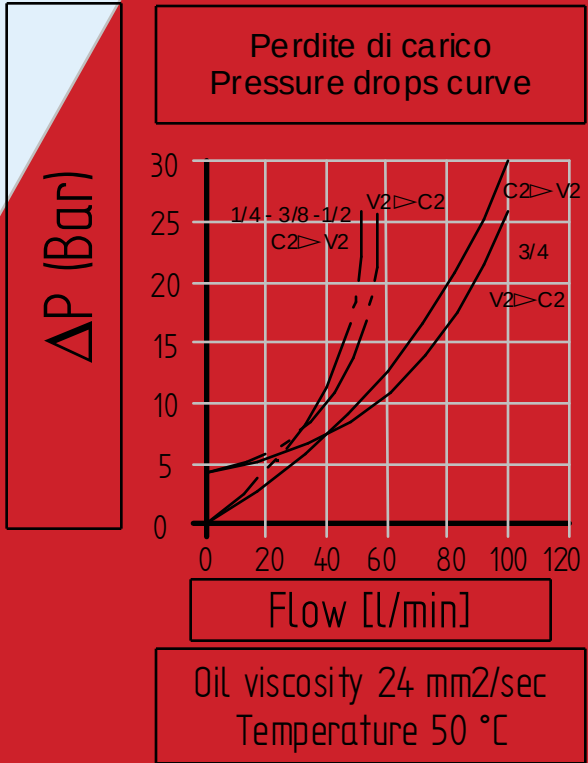
Ordering code

AI316VODE-	Option 1	G1/4	Option 2	X
		G3/8		
		G1/2		Y
		G3/4		

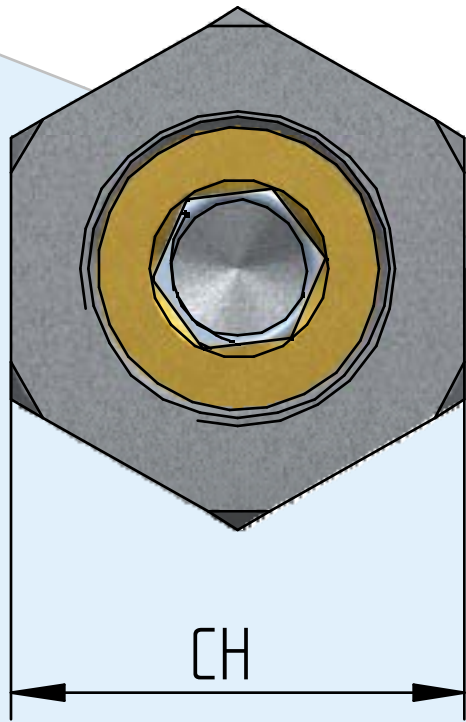
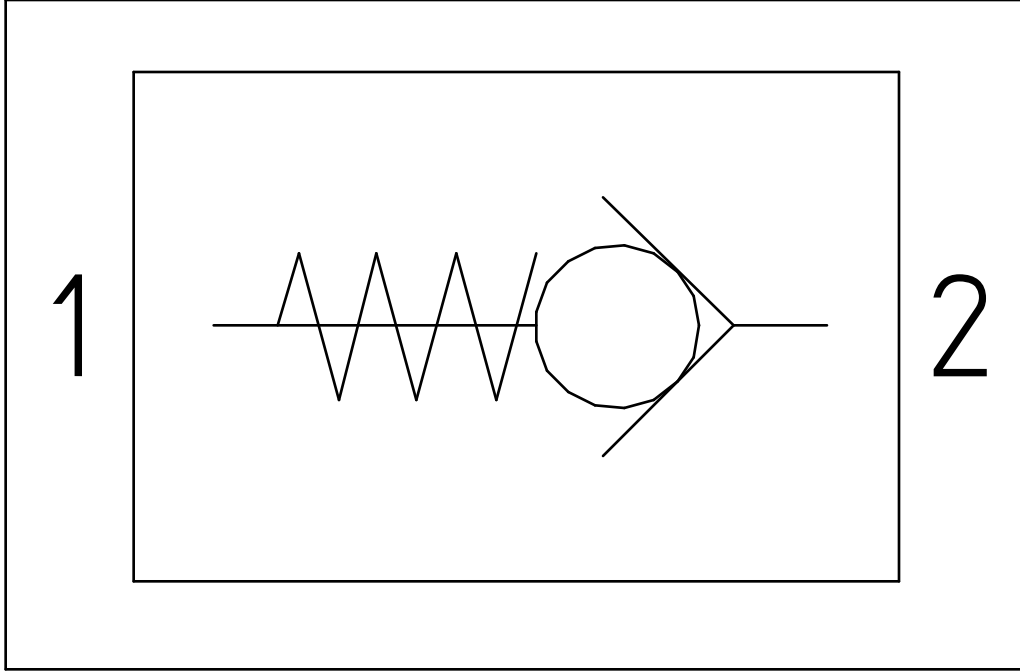
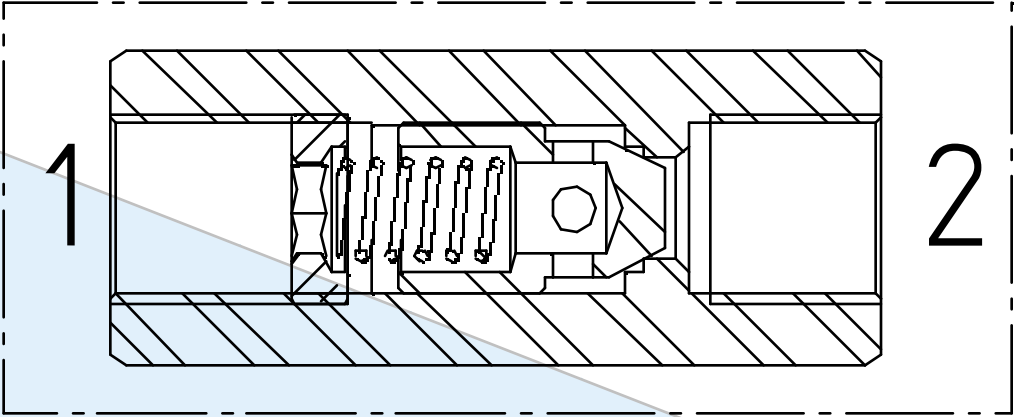
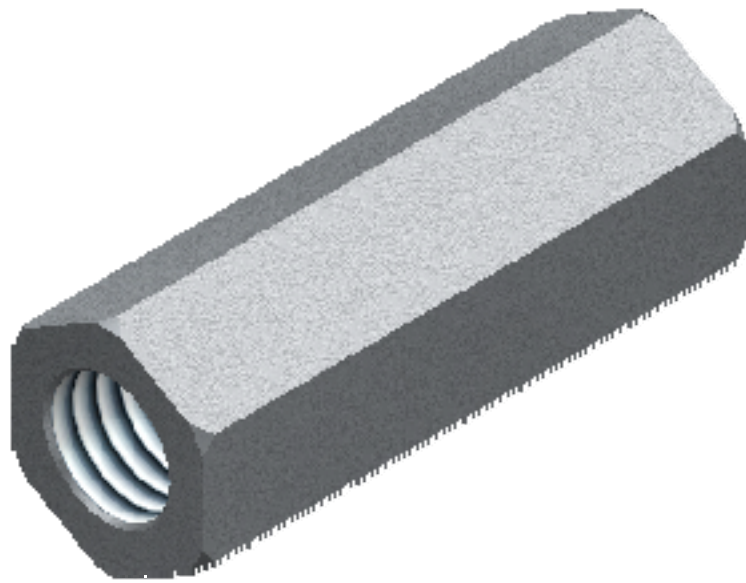
Option 1		Option 2	Taratura - Range setting
Thread V1 - V2 - C1 - C2		X	30 - 210 Bar
G1/4	Filetto 1/4 Gas Thread 1/4 Gas		
G3/8	Filetto 3/8 Gas Thread 3/8 Gas	Y	60 - 350 Bar
G1/2	Filetto 1/2 Gas Thread 1/2 Gas		
G3/4	Filetto 3/4 Gas Thread 3/4 Gas		

Nel caso non si indicasse l'Opzione2, sarà fornita in configurazione standard.

If Option2 is not indicated, standard configuration will be considered.



Descrizione Description	AI316 VU -G1/4	AI316 VU -G3/8	AI316 VU -G1/2	AI316 VU -G3/4	AI316 VU -G1"
Pressione massima - Max pressure Bar	350	350	320	300	300
Portata - Flow Lt/min	15	30	50	90	150
Peso - Weight Kg	0,10	0,18	0,31	0,45	0,70
1 - 2	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS
L	55	65	75	86,5	105
CH	19	24	27	35	41
Materiale corpo - Body material	Stainless steel AISI316				



Codice di ordinazione
Ordering code

AI316VU-

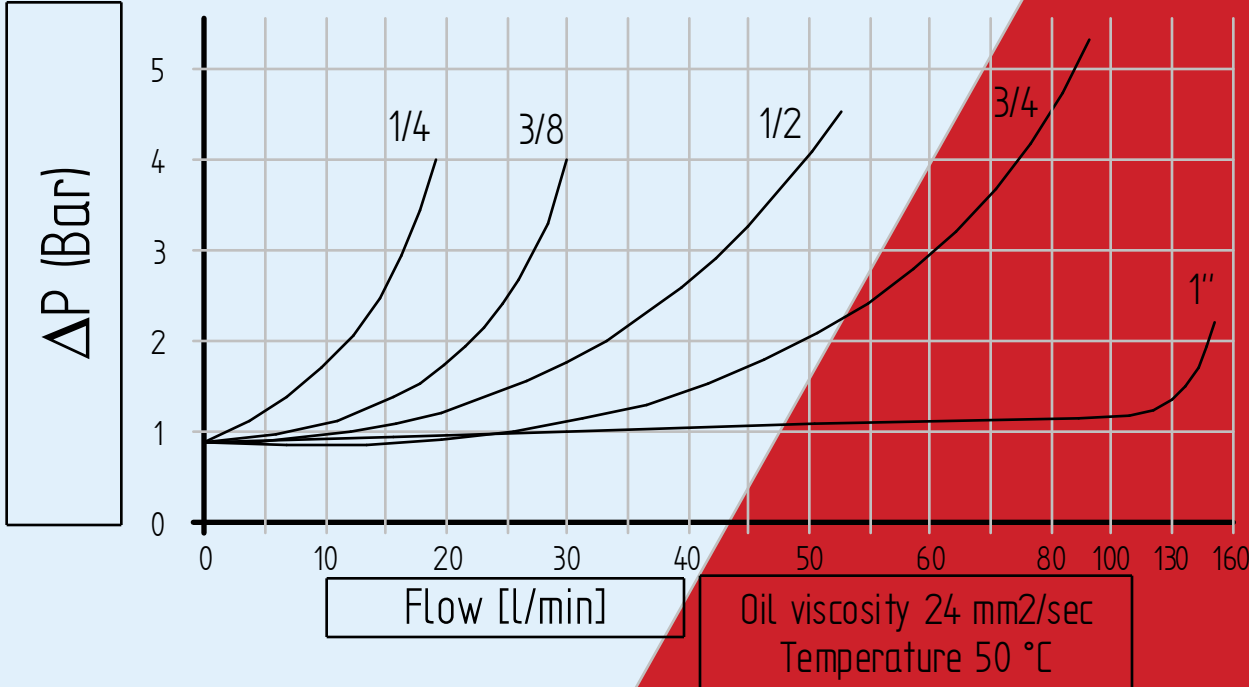
Option 1	G1/4	Option 2	X
	G3/8		Y
	G1/2		Z
	G3/4		
	G1"		

Nel caso non si indicasse l'Opzione2, sarà fornita in configurazione standard.

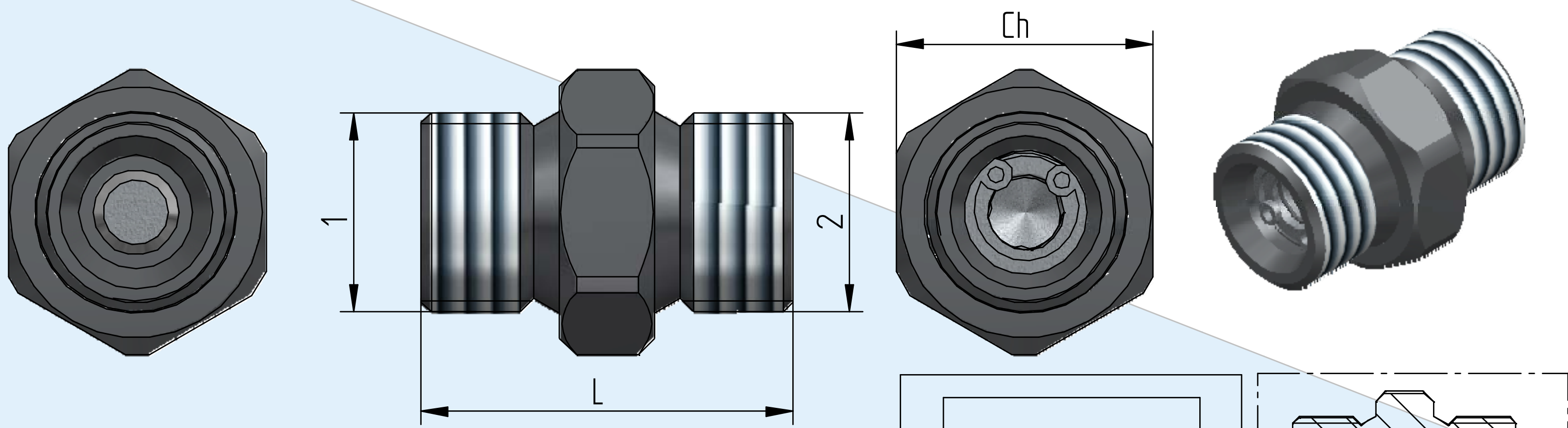
If Option2 is not indicated, standard configuration will be considered.

Option 1		Option 2	*= standard
Thread A1 - A2		X (*)	Pressione di apertura Cracking pressure 1 Bar
G1/4	Filetto 1/4 Gas - Thread 1/4 Gas	Y	Pressione di apertura Cracking pressure 3 Bar
G3/8	Filetto 3/8 Gas - Thread 3/8 Gas	Z	Pressione di apertura Cracking pressure 6 Bar
G1/2	Filetto 1/2 Gas - Thread 1/2 Gas		
G3/4	Filetto 3/4 Gas - Thread 3/4 Gas		
G1	Filetto 1" Gas - Thread 1" Gas		

Perdite di carico
Pressure drops curve



Descrizione Description	AI316VU -G1/4 MM	AI316VU -G3/8 MM	AI316VU -G1/2 MM	AI316VU -G3/4 MM	AI316VU -G1" MM	AI316VU -G1"1/4 MM	AI316VU -G1"1/2 MM	AI316VU -G2" MM
Pressione massima - Max pressure Bar	350	350	350	350	320	320	320	320
Portata - Flow Lt/min	8	20	50	90	90	250	300	650
Peso - Weight Kg	0,033	0,053	0,092	0,142	0,288	0,594	0,910	1,800
1 - 2	1/4 GAS	3/8 GAS	1/2 GAS	3/4 GAS	1" GAS	1" 1/4 GAS	1" 1/2 GAS	2" GAS
L	32	34	39	45	55	70	86	102
CH	19	22	27	32	40	50	55	70
Materiale corpo - Body material	Stainless steel AISI316							



Codice di ordinazione
Ordering code

AI316VU-

Option 1

G1/4

G3/8

G1/2

G3/4

G1

G11/4

G11/2

G2

MM

Option 2

X

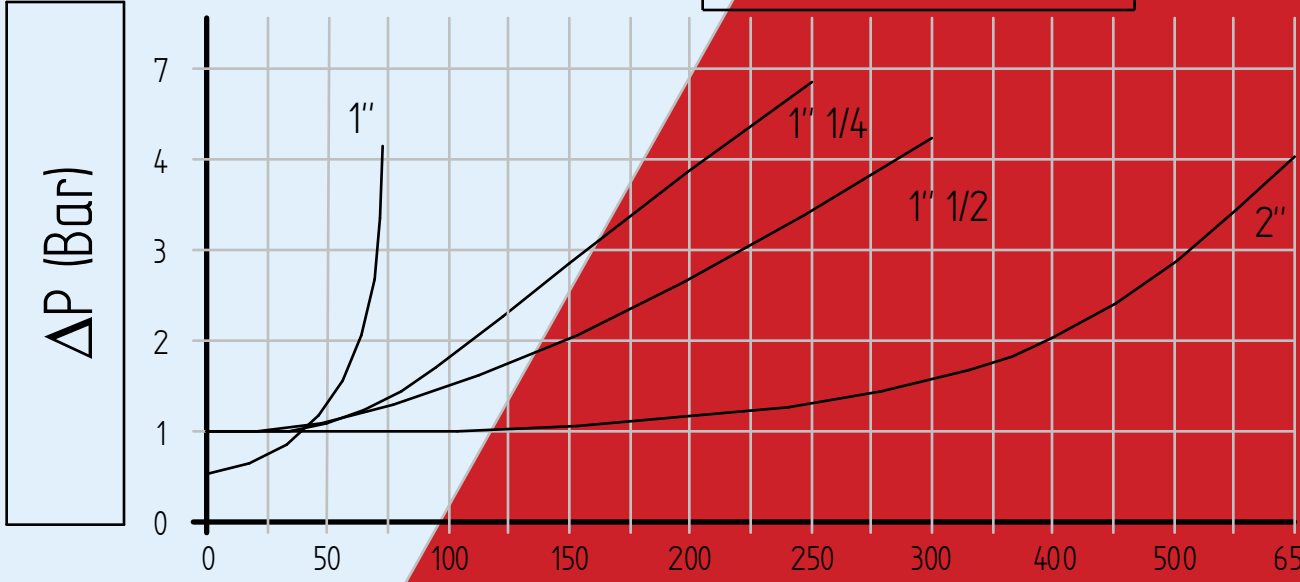
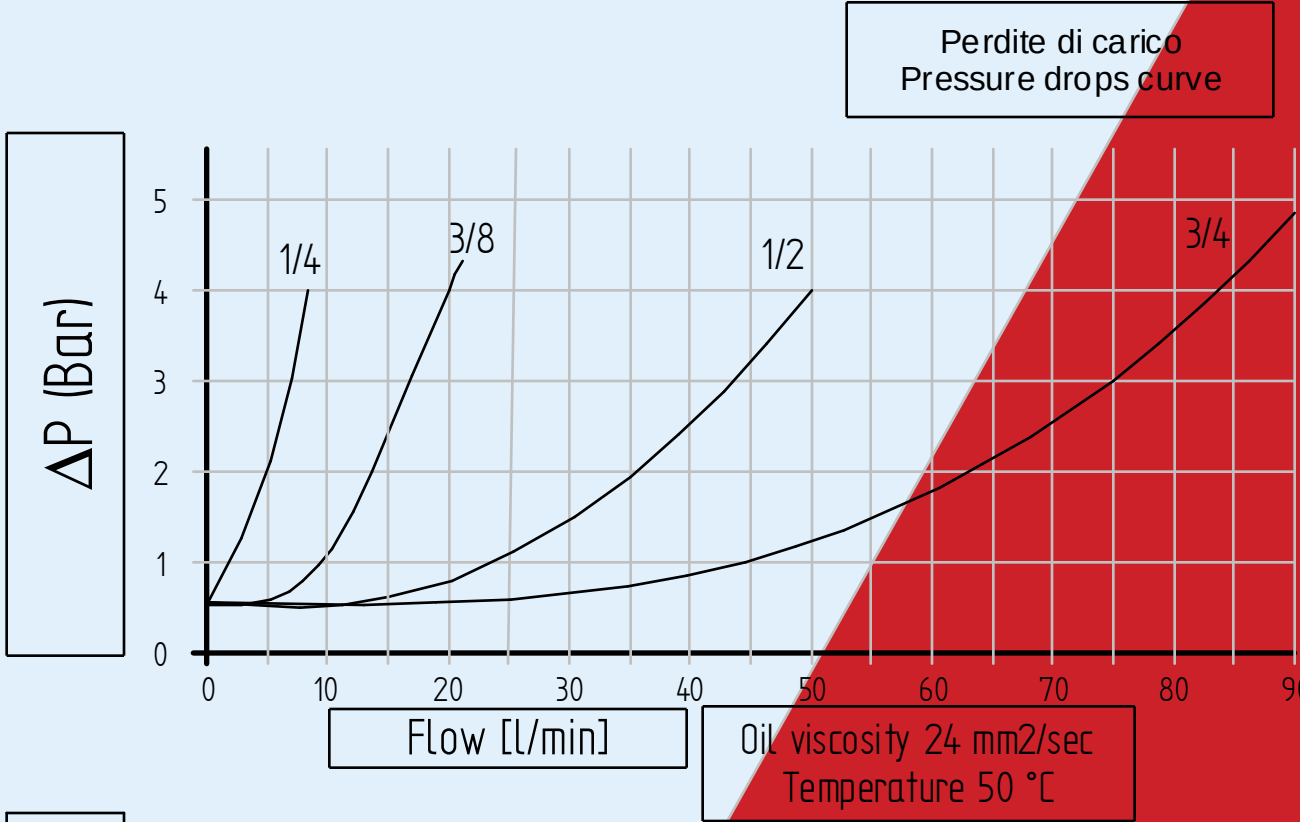
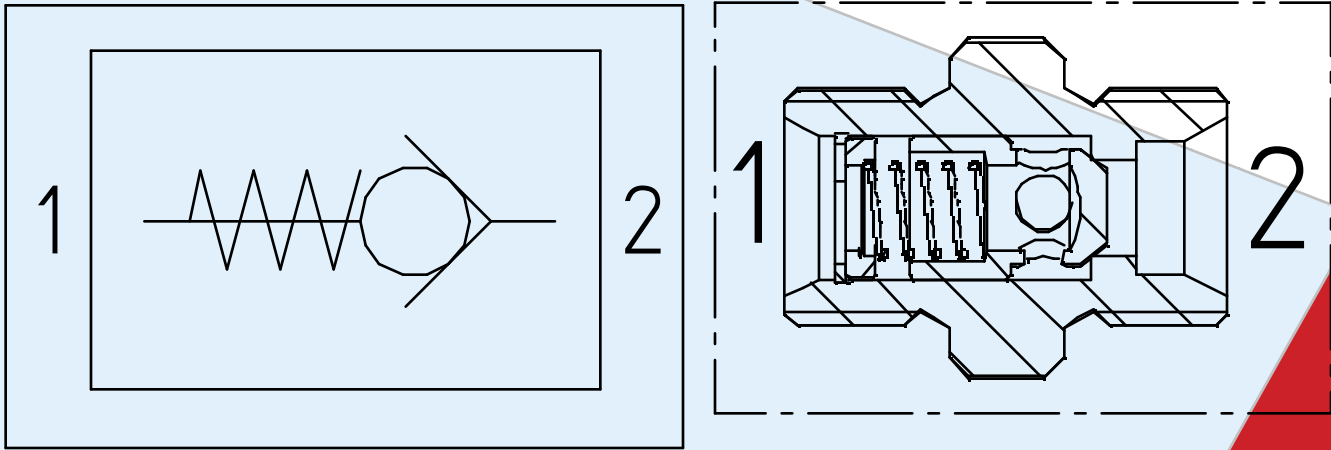
Y

Z

Nel caso non si indicasse l'Opzione2, sarà fornita in configurazione standard.

If Option2 is not indicated, standard configuration will be considered.

Option 1	Option 2	*= standard
Thread A1 - A2	X (*)	Pressione di apertura Cracking pressure 1 Bar
G1/4 Filetto 1/4 Gas - Thread 1/4 Gas	Y	Pressione di apertura Cracking pressure Until 1" - 3 Bar From 1"1/4 - 6 Bar
G3/8 Filetto 3/8 Gas - Thread 3/8 Gas		
G1/2 Filetto 1/2 Gas - Thread 1/2 Gas		
G3/4 Filetto 3/4 Gas - Thread 3/4 Gas		
G1 Filetto 1" Gas - Thread 1" Gas	Z	Pressione di apertura Cracking pressure Until 1" - 6 Bar From 1"1/4 - 9 Bar
G11/4 Filetto 1"1/4 Gas - Thread 1"1/4 Gas		
G11/2 Filetto 1"1/2 Gas - Thread 1"1/2 Gas		
G2 Filetto 2" Gas - Thread 2" Gas		



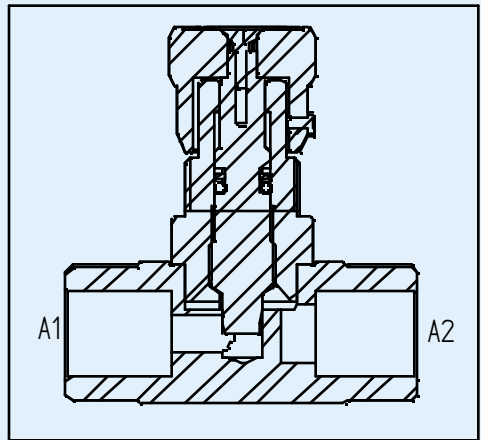
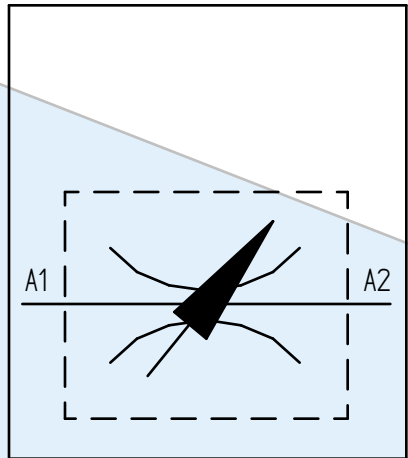
AI316ST

Stainless steel 316

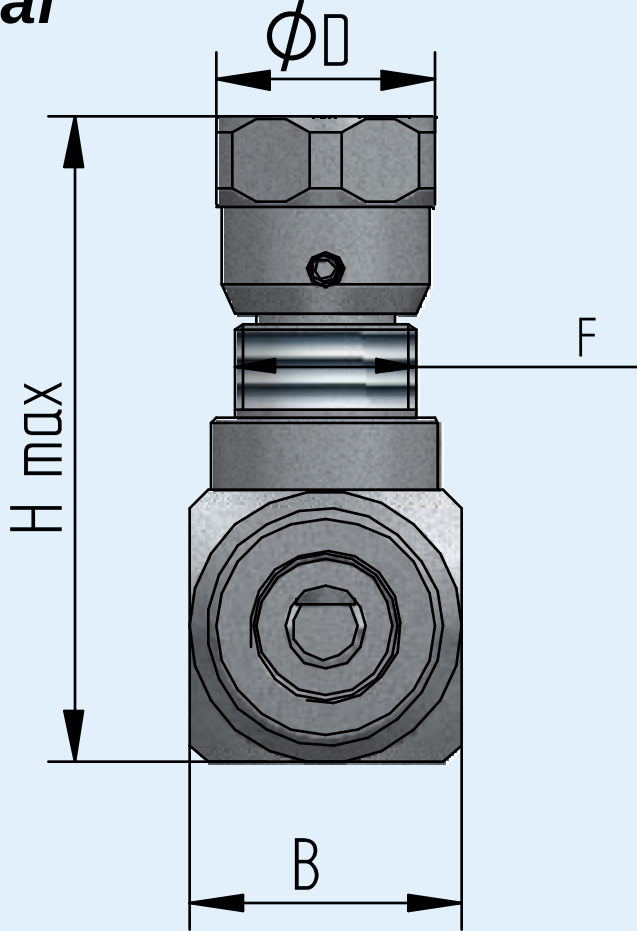
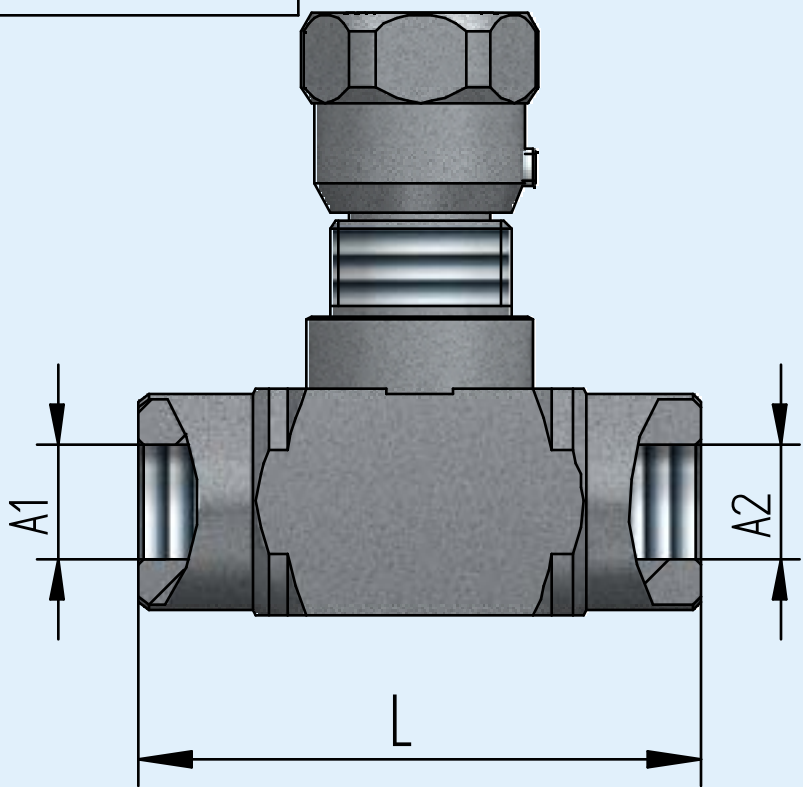
Valvola di regolazione flusso a 90°
90° flow control valve



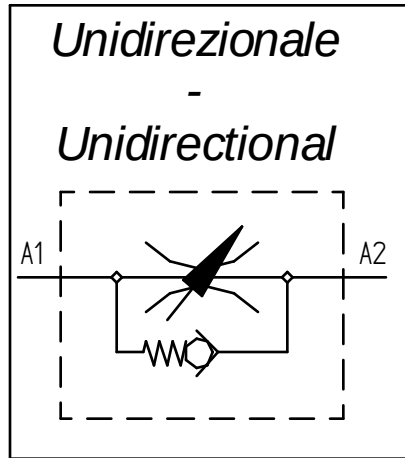
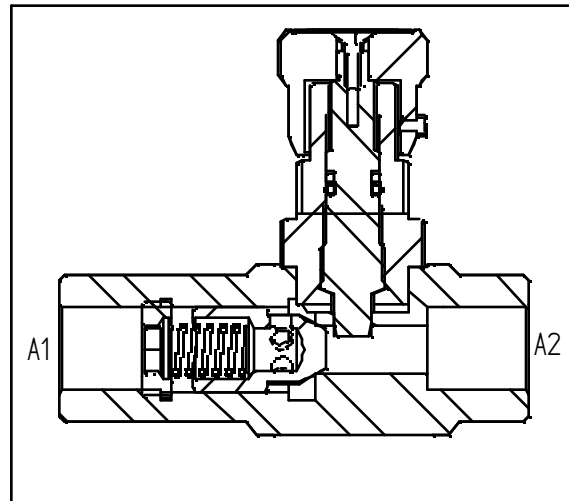
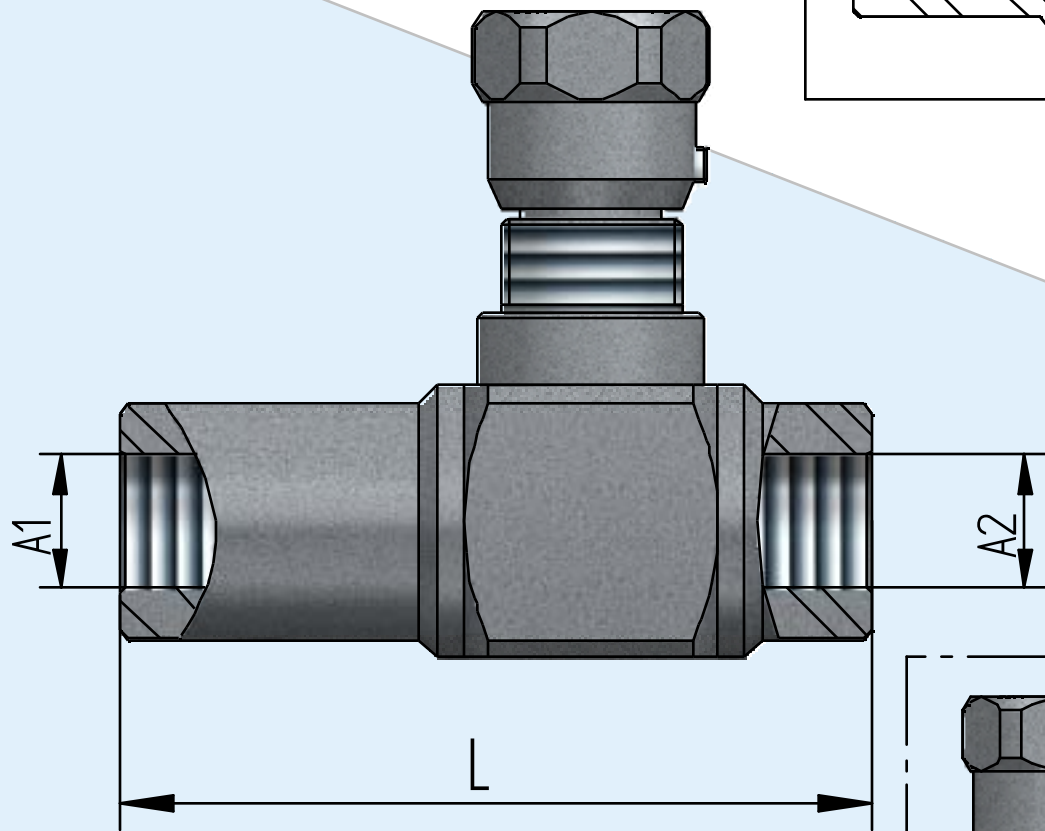
Descrizione <i>Description</i>	AI316ST -G1/4		AI316ST -G3/8		AI316ST -G1/2	
	B	U	B	U	B	U
Pressione massima - Max pressure Bar	400		400		400	
Portata - Flow Lt/min	15		30		50	
Peso - Weight Kg	0,34	0,38	0,33	0,50	0,45	0,55
A1 - A2	1/4 GAS		3/8 GAS		1/2 GAS	
L	62	72	62	83	70	94
B	25		25		30	
D	ϕ 30		ϕ 30		ϕ 30	
H	85		85		85	
F	M20x1		M20x1		M20x1	
Materiale corpo - Body material	AISI316					



Bidirezionale
-
Bidirectional



Unidirezionale
-
Unidirectional



Codice di ordinazione
Ordering code

AI316ST

Option 1

B
U

Option 2

G1/4
G3/8
G1/2

Option 1

B

Regolazione flusso bidirezionale
Bidirectional flow control

U

Regolazione flusso unidirezionale
Unidirectional flow control

Option 2

Thread A1 - A2

G1/4

Filetto 1/4 Gas - Thread 1/4 Gas

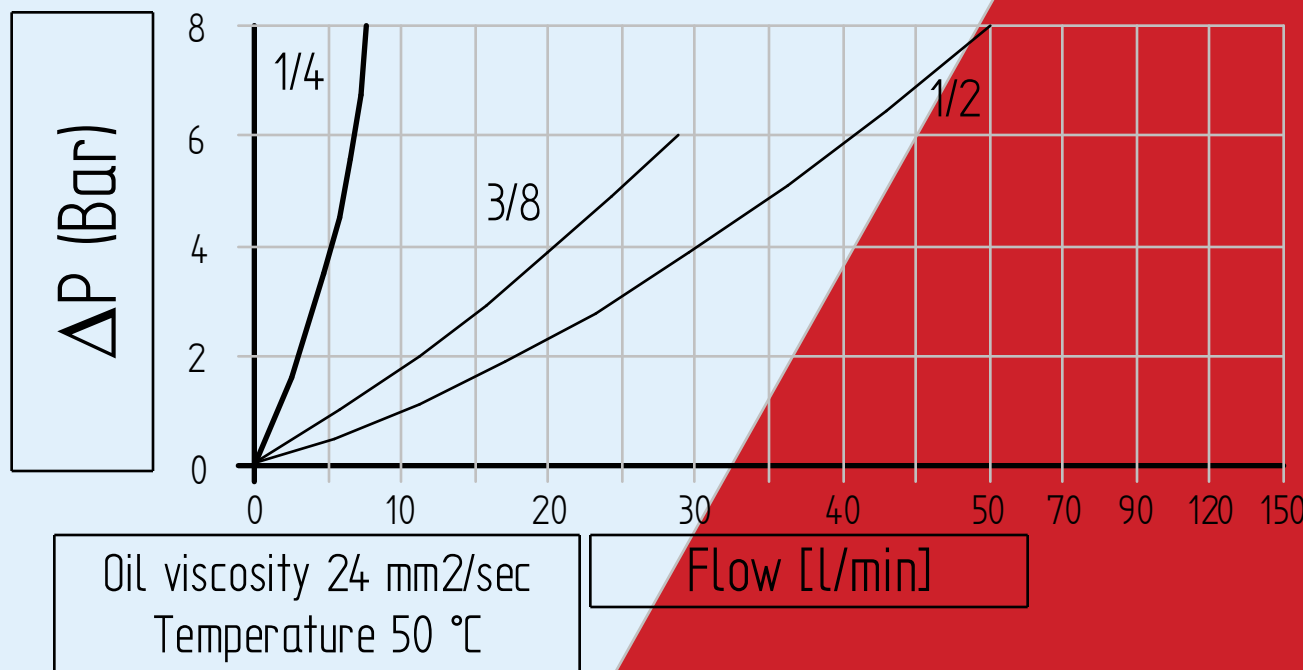
G3/8

Filetto 3/8 Gas - Thread 3/8 Gas

G1/2

Filetto 1/2 Gas - Thread 1/2 Gas

Perdite di carico
Pressure drops curve



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Ed. 2023

Pag. 21



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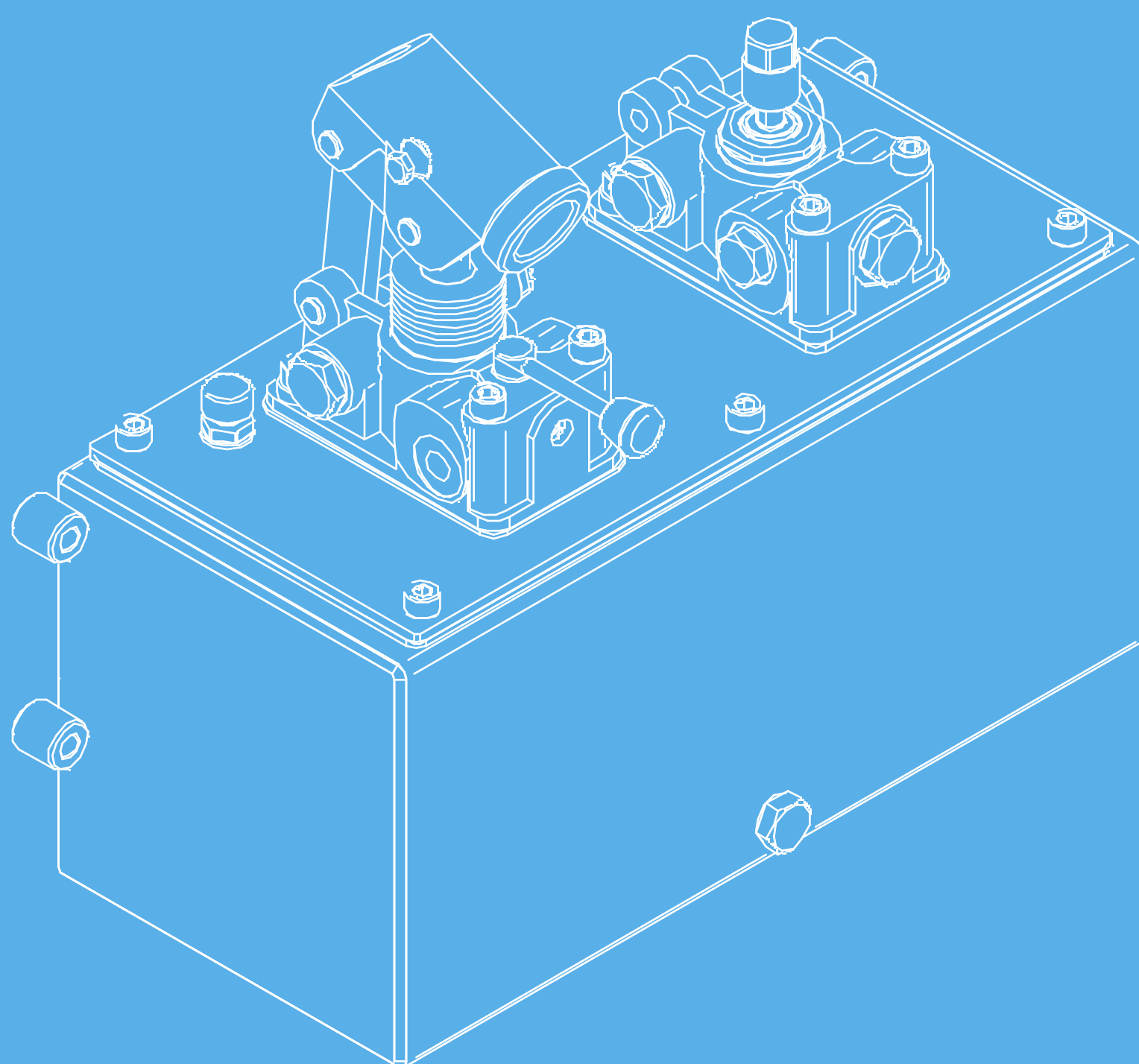
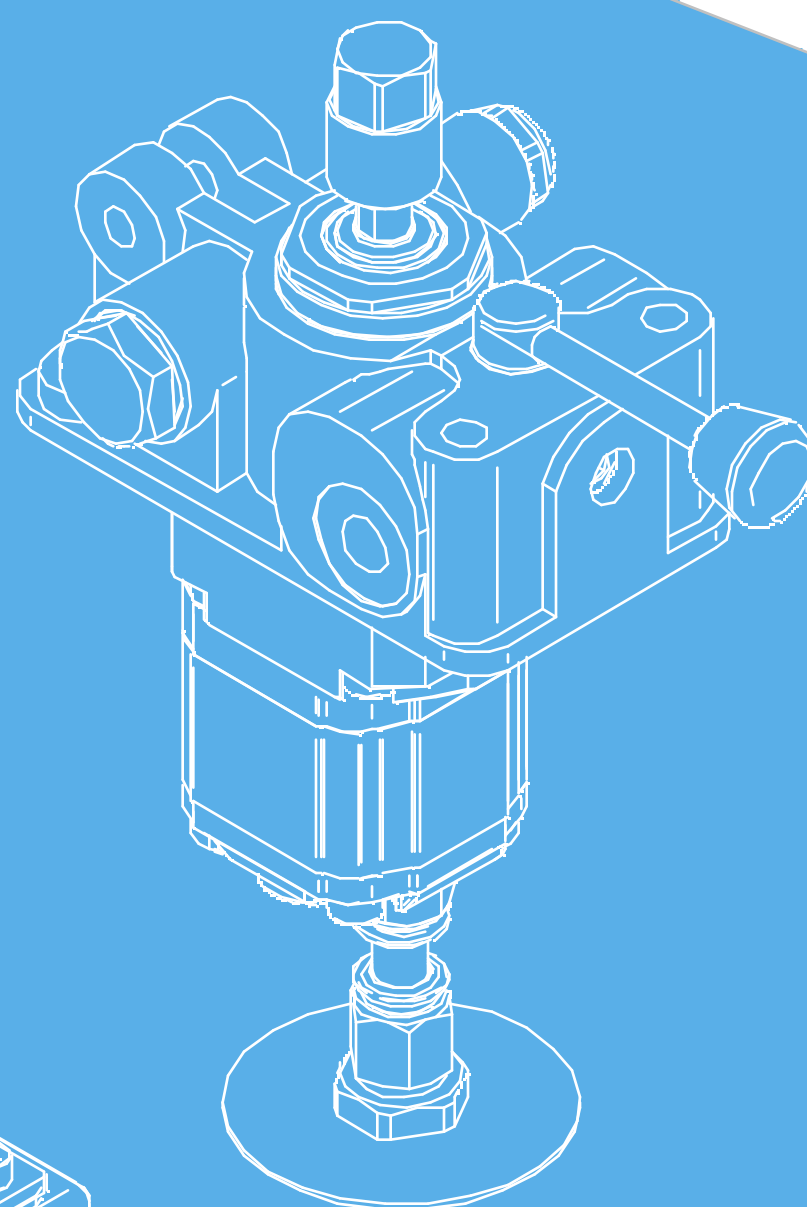
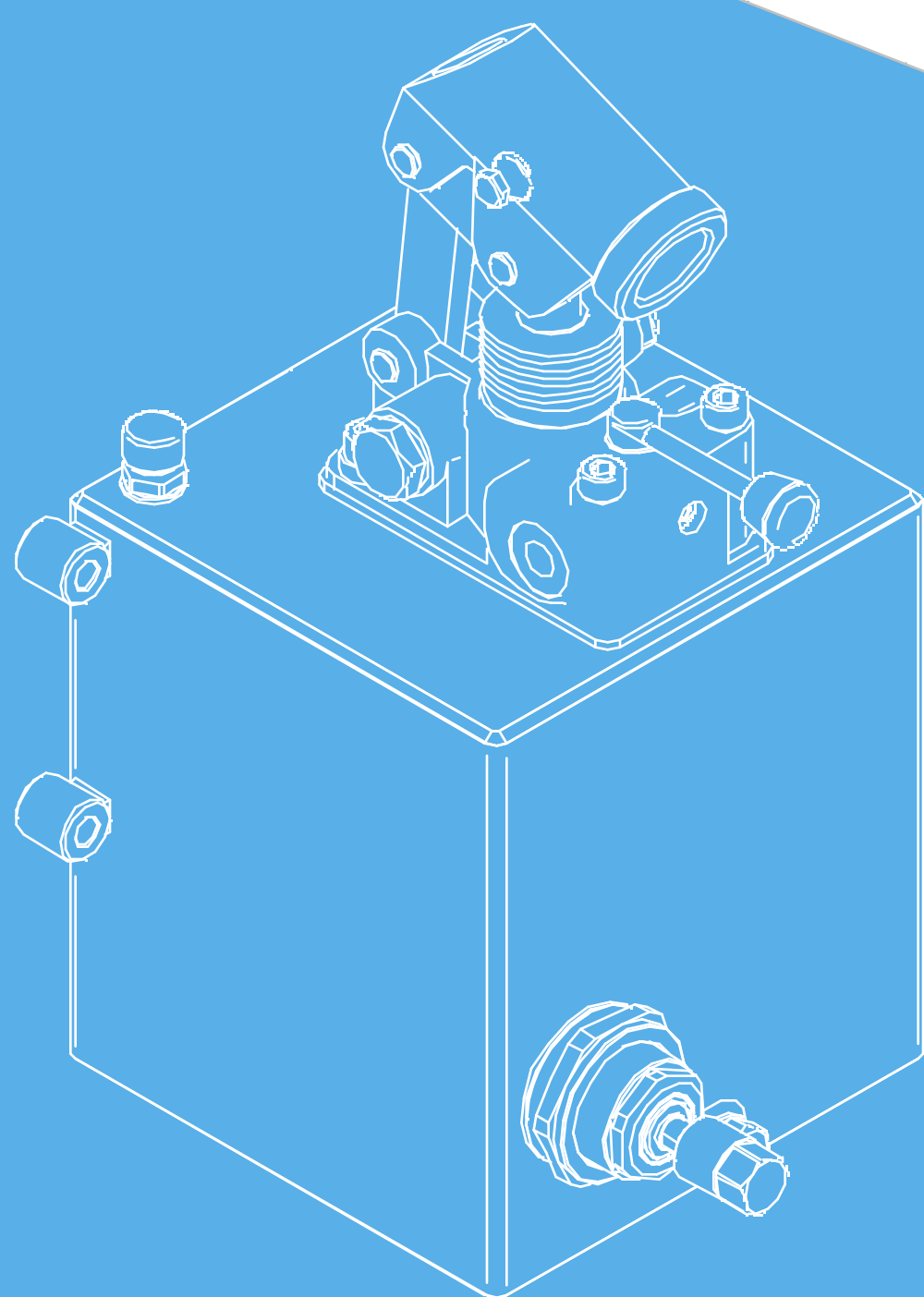
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ZES

Zero Effort System



Ed. 2023

G.L. HYDRAULIC S.R.L. è una realtà produttiva all'avanguardia specializzata nella realizzazione di una vasta gamma di componenti oleodinamici che trovano applicazione nei più diversi settori industriali.

Gli elevati standard qualitativi del prodotto vengono scrupolosamente garantiti dall'impiego dei materiali migliori e dalla rigorosa attuazione di severe procedure di controllo. Grazie all'esperienza, alla profonda conoscenza del mercato e all'elevata competenza tecnica, G.L. HYDRAULIC S.R.L. è un punto di riferimento indispensabile per tutti coloro che cercano risposte puntuali e soluzioni concrete alle esigenze più diversificate. L'ottima assistenza pre e post vendita e la rapidità delle consegne assicurano servizi efficaci e tempestivi, frutto di una gestione aziendale dinamica e flessibile che è sinonimo di competenza e professionalità.

G.L. HYDRAULIC S.R.L. is a leading-edge manufacturer who specializes in producing a wide range of hydraulic components for application in a variety of industrial sectors. The exceptional product quality standards are carefully guaranteed through the use of very best materials and the implementation of extremely tough quality-control procedures. Thanks to its experience, extensive knowledge of the market and outstanding technical skills, G.L. HYDRAULIC S.R.L. is an indispensable port of call for those seeking prompt, concrete solutions for every type of requirement, no matter how difficult it might seem. Excellent pre and after assistance, together with fast delivery, ensure a highly efficient customer service arising from the flexible, dynamic company management synonymous with skill and professionalism

CATALOGO TECNICO *TECHNICAL CATALOGUE*

ZES

Zero Effort System

Patented

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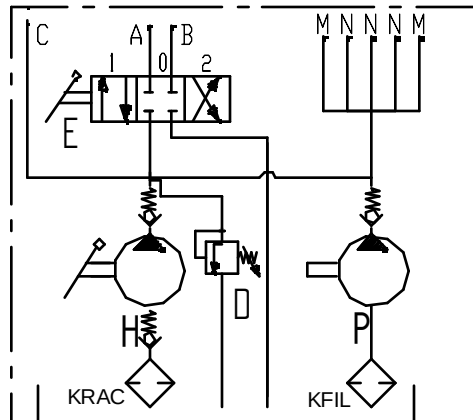
Indice - Index

<i>ZES - "Zero Effort System"</i>	<i>Pag.</i>
- ZES con serbatoio per cilindro a doppio effetto con pompa manuale e pompa a ingranaggi - ZES with oil tank for a double acting cylinder with hand pump and gear pump - Line ZES_DE_	5
- ZES con serbatoio per cilindro a semplice effetto con pompa manuale e pompa a ingranaggi - ZES with oil tank for a single acting cylinder with hand pump and gear pump - Line ZES_SE_	6
- ZES senza serbatoio per cilindro a doppio effetto con pompa manuale e pompa a ingranaggi - ZES without oil tank for a double acting cylinder with hand pump and gear pump - Line ZES_DEWOT	7
- ZES senza serbatoio per cilindro a semplice effetto con pompa manuale e pompa a ingranaggi - ZES without oil tank for a single acting cylinder with hand pump and gear pump - Line ZES_SEWOT	8
- ZES con serbatoio per cilindro a doppio effetto con pompa manuale e pompa a ingranaggi - ZES with oil tank for a double acting cylinder with hand pump and gear pump - Line ZES_DE_SR_	9
- ZES con serbatoio per cilindro a semplice effetto con pompa manuale e pompa a ingranaggi - ZES with oil tank for a single acting cylinder with hand pump and gear pump - Line ZES_SE_SR_	10
- ZES con serbatoio per cilindro a doppio effetto con pompa a ingranaggi - ZES with oil tank for a double acting cylinder with gear pump - Line ZES_DE_	11
- ZES con serbatoio per cilindro a semplice effetto con pompa a ingranaggi - ZES with oil tank for a single acting cylinder with gear pump - Line ZES_SE_	12
- ZES senza serbatoio per cilindro a doppio effetto con pompa a ingranaggi - ZES without oil tank for a double acting cylinder with gear pump - Line ZES_DEB	13
- ZES senza serbatoio per cilindro a semplice effetto con pompa a ingranaggi - ZES without oil tank for a single acting cylinder with gear pump - Line ZES_SEB	14
- ZES stand alone per cilindro a doppio effetto con pompa a ingranaggi - ZES stand alone for a double acting cylinder with gear pump - Line ZES_DEBP	15
- ZES stand alone per cilindro a semplice effetto con pompa a ingranaggi - ZES stand alone for a single acting cylinder with gear pump - Line ZES_SEBP	16
- Kit filtro aspirazione - Suction kit - Line KFIL - KFILL - KFILS - KRAC	17

DE
Clockwise rotation
Rotazione oraria

For double acting cylinder
with oil tank

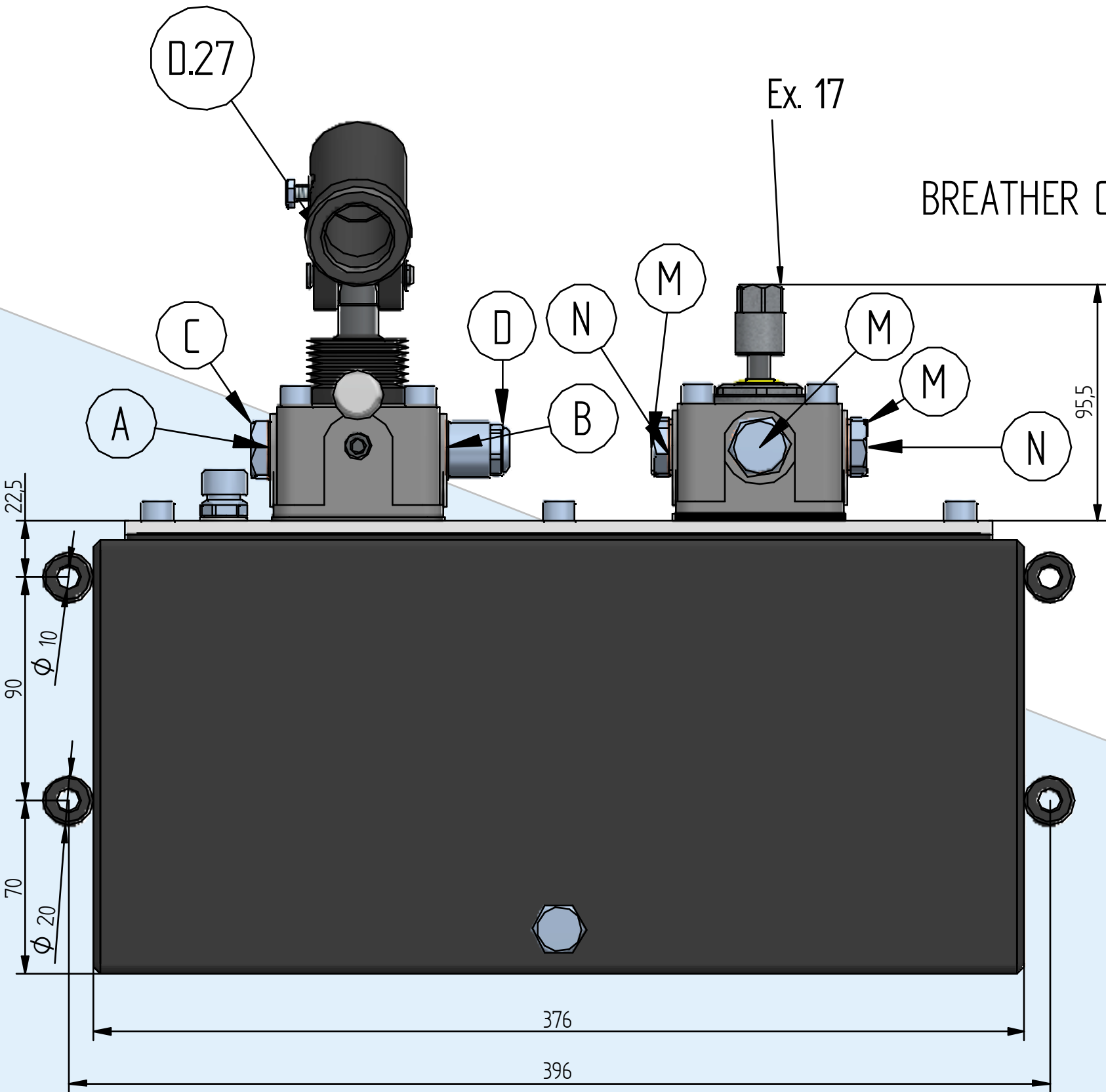
For double acting cylinder
Per cilindro a doppio effetto



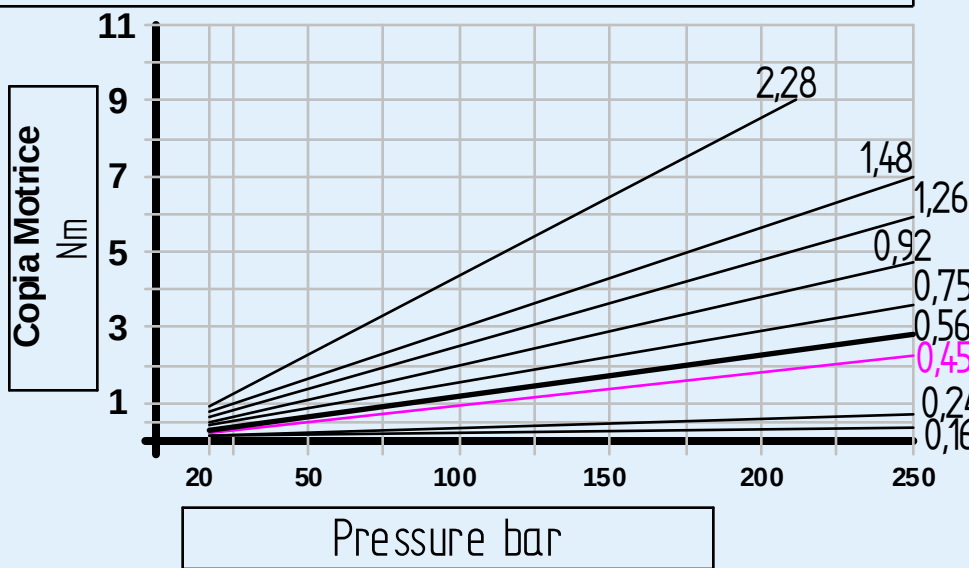
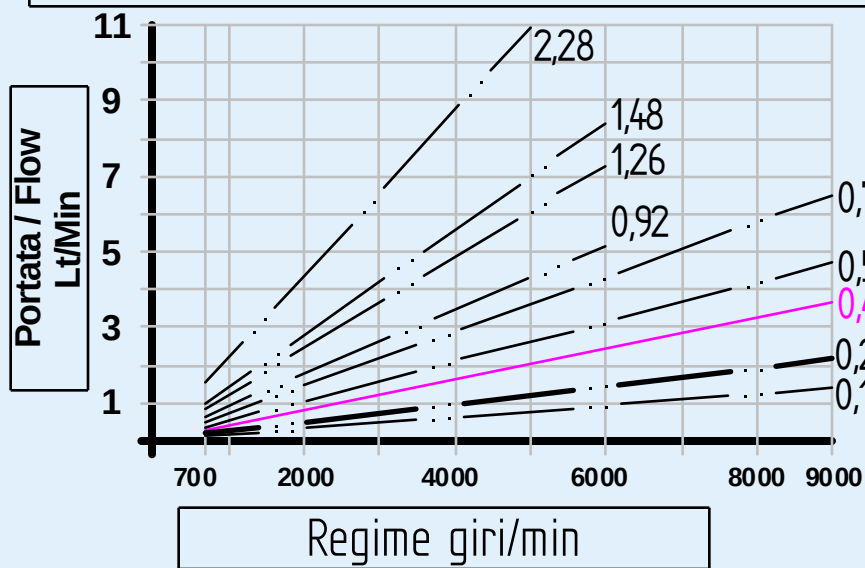
A	1/4 gas
B	1/4 gas
C	3/8 gas
D	Relief valve
M	1/4 gas
N	3/8 gas

Capacity of oil tank 10 Litres

Weight: 16,2 Kg

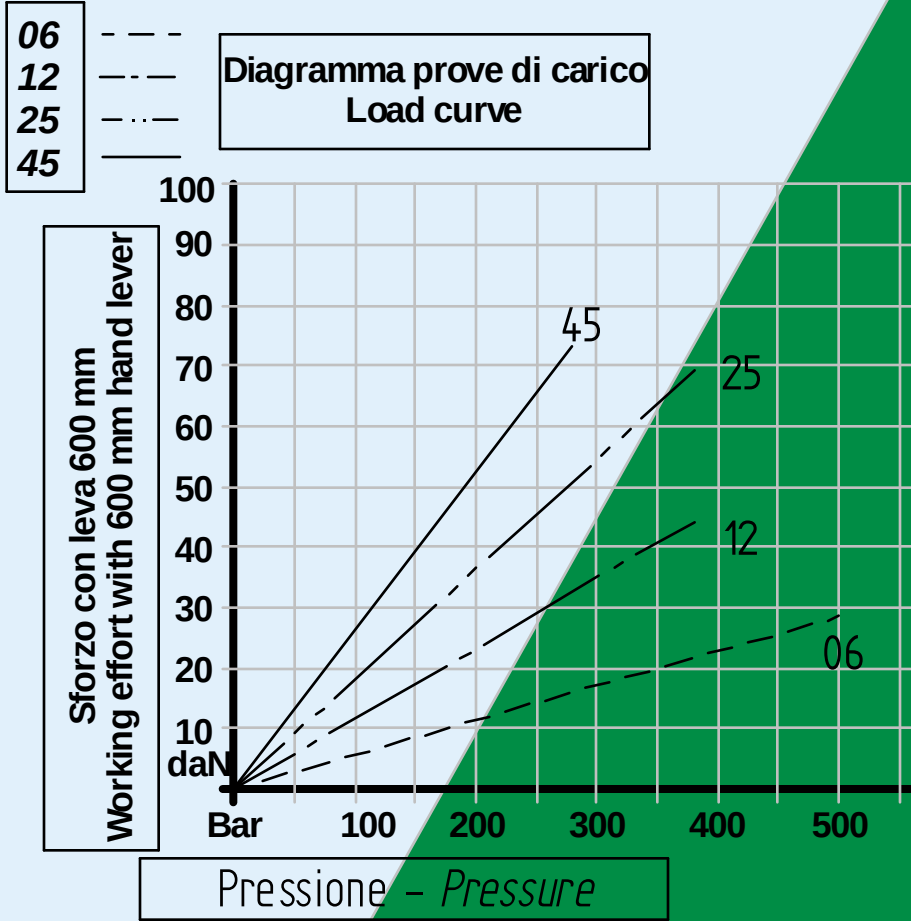


Pompa ad ingranaggi - Gear pump



Coppia di serraggio vite con rivetto: 8/10 Nm
Torque of fastened screw: 8/10 Nm

Diagramma prove di carico
Load curve



Codice di ordinazione - Ordering code

ZES

Option 1	017
	025
	045
	057
	076
	098
	127
	152
	230

DE

Option 2	06
	12
	25
	45

Option 1

cc Gear pump

017	0,16 cc
025	0,24 cc
045	0,45 cc - Standard Version
057	0,56 cc
076	0,75 cc
098	0,92 cc
127	1,26 cc
152	1,48 cc
230	2,28 cc

Option 2

cc Hand pump

6	6 cc
12	12,5 cc
25	19,5 cc - Standard Version
45	28 cc

Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pumps' max pressure
min - max (bar) 30 - (...)

Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
6	400	017	0,16	260	700	9.000
12,5	320	025	0,24	260	700	9.000
19,4	300	045	0,45	280	700	9.000
28	250	057	0,56	280	700	9.000
		076	0,75	280	700	9.000
		098	0,92	280	700	6.000
		127	1,26	280	700	6.000
		152	1,48	280	700	6.000
		230	2,28	210	700	5.000

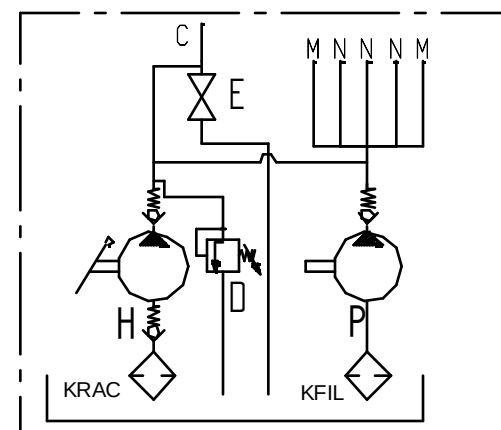
SE

Clockwise rotation

Rotazione oraria

For single acting cylinder
with oil tank

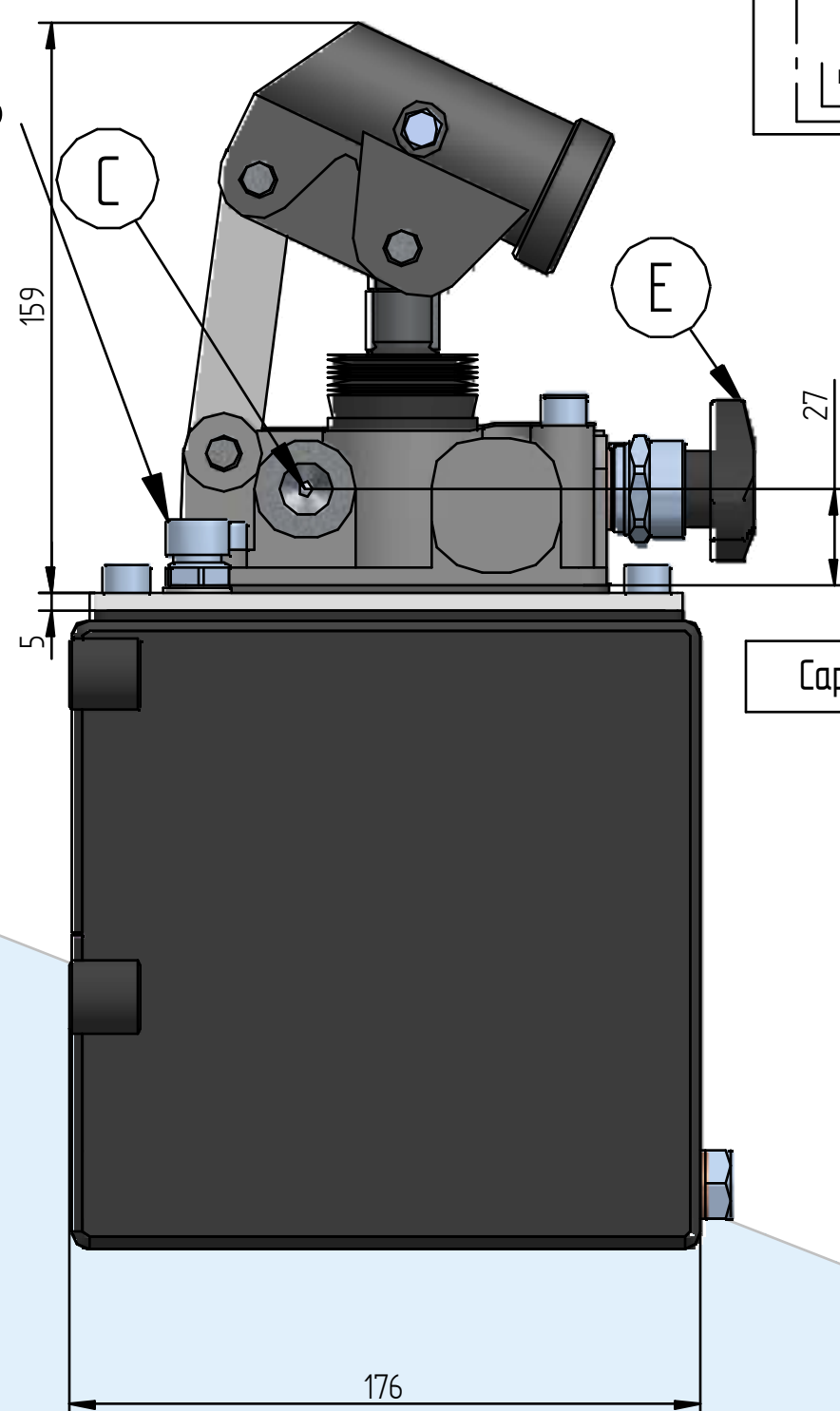
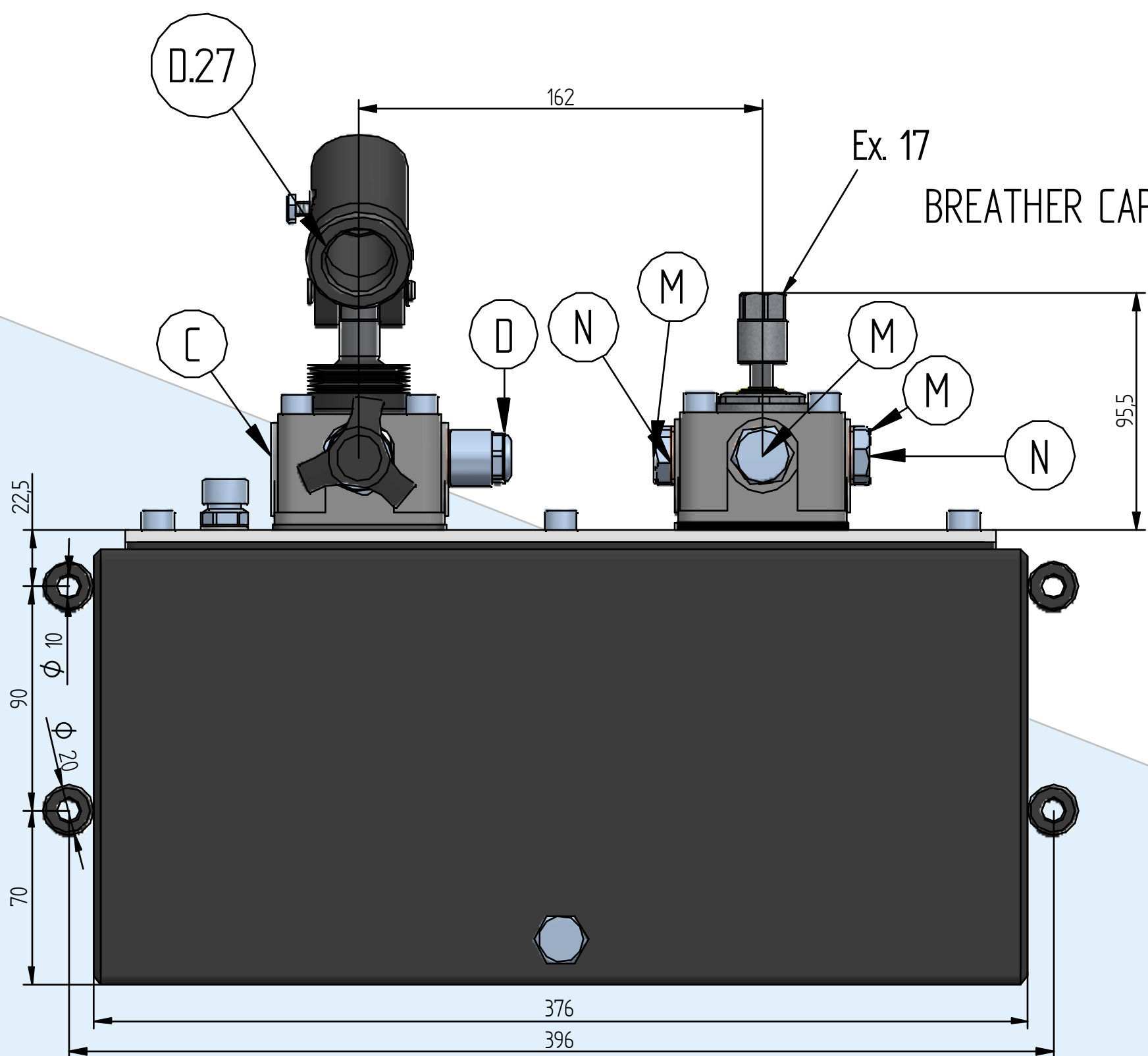
For single acting cylinder
Per cilindro a semplice effetto



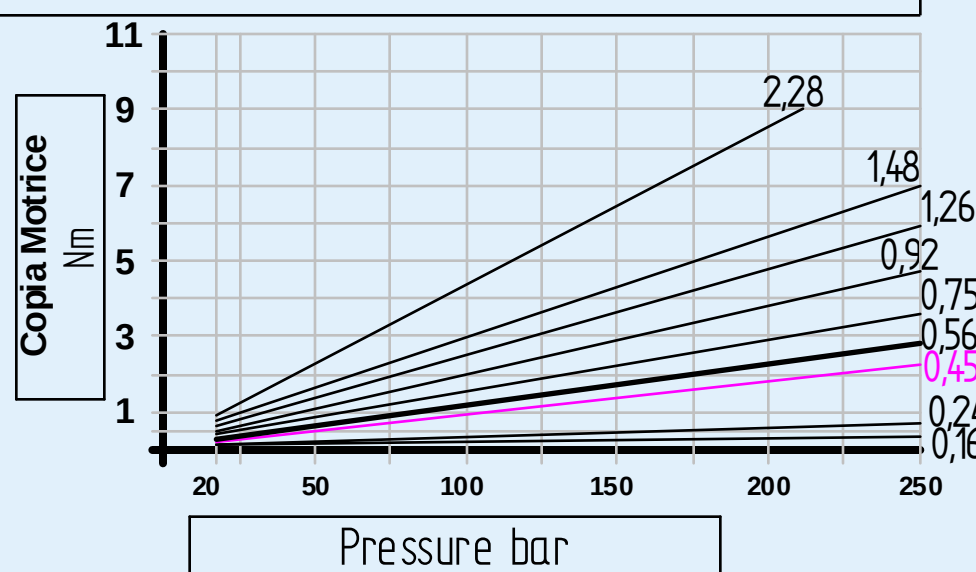
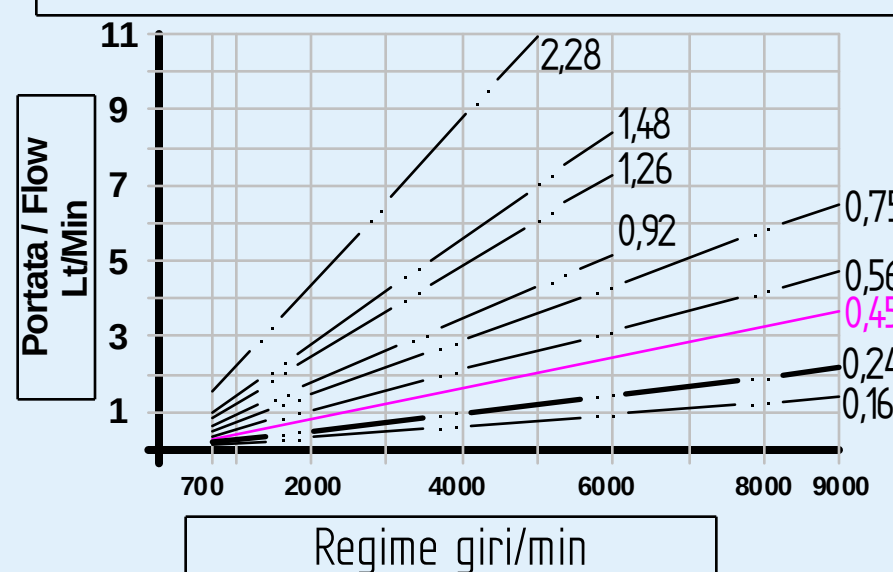
C	3/8 gas
D	Relief valve
M	1/4 gas
N	3/8 gas

Capacity of oil tank 10 Litres

Weight: 16,2 Kg

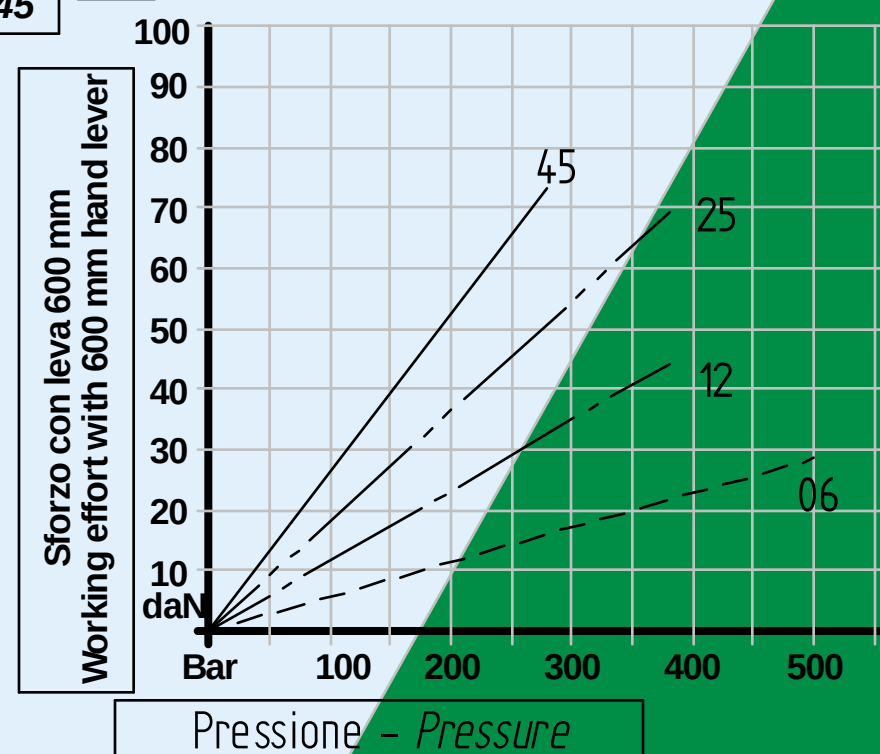


Pompa ad ingranaggi - Gear pump



Coppia di serraggio vite con rivetto: 8/10 Nm
Torque of fastened screw: 8/10 Nm

Diagramma prove di carico Load curve



Codice di ordinazione - Ordering code

ZES

Option 1	017
	025
	045
	057
	076
	098
	127
	152
	230

SE

Option 2	06
	12
	25
	45

Option 1

cc Gear pump

017	0,16 cc
025	0,24 cc
045	0,45 cc - Standard Version
057	0,56 cc
076	0,75 cc
098	0,92 cc
127	1,26 cc
152	1,48 cc
230	2,28 cc

Option 2

cc Hand pump

6	6 cc
12	12,5 cc
25	19,5 cc - Standard Version
45	28 cc

Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pumps' max pressure
min - max (bar) 30 - (...)

Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
6	400	017	0,16	260	700	9.000
12,5	320	025	0,24	260	700	9.000
19,4	300	045	0,45	280	700	9.000
28	250	057	0,56	280	700	9.000
		076	0,75	280	700	9.000
		098	0,92	280	700	6.000
		127	1,26	280	700	6.000
		152	1,48	280	700	6.000
		230	2,28	210	700	5.000

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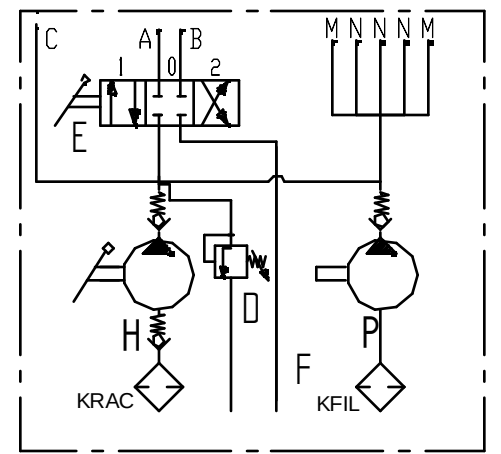
WOT

Clockwise rotation

Rotazione oraria

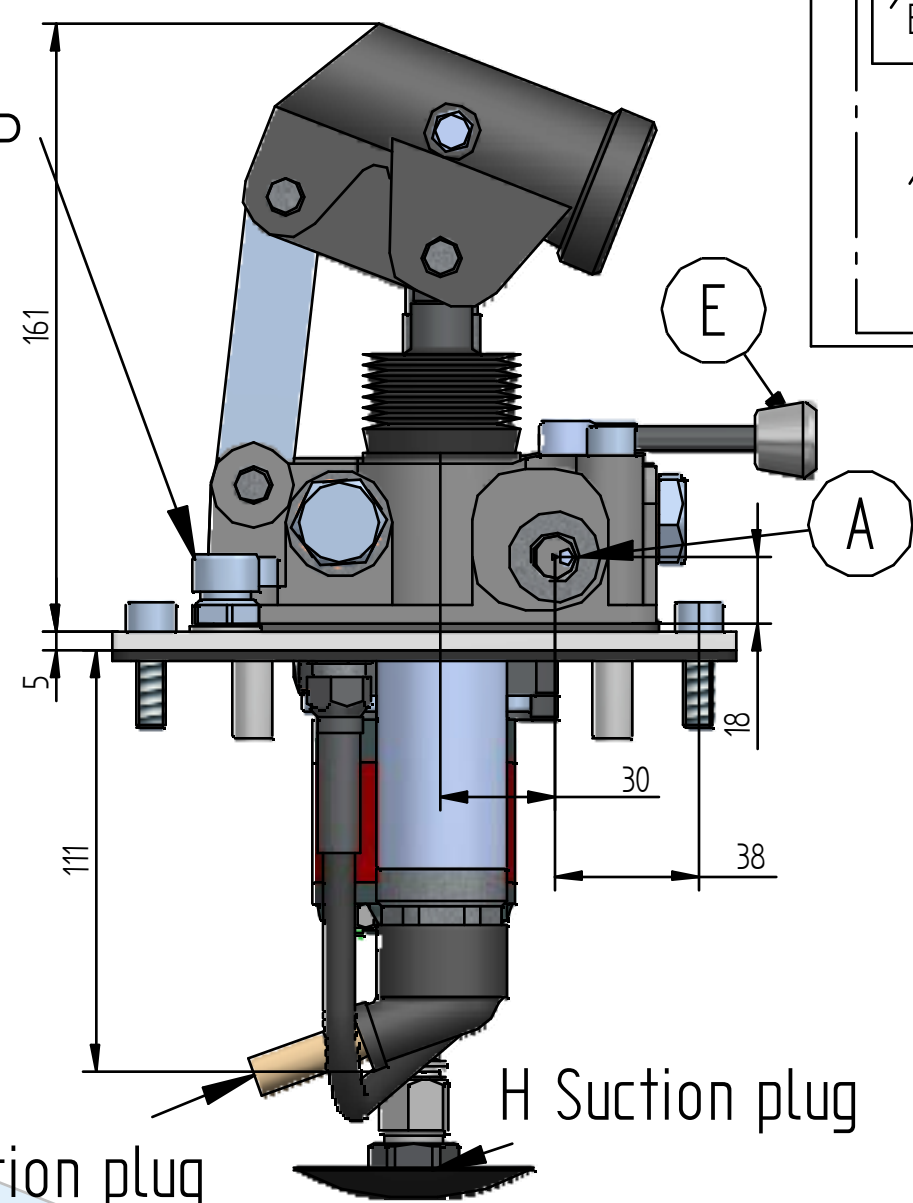
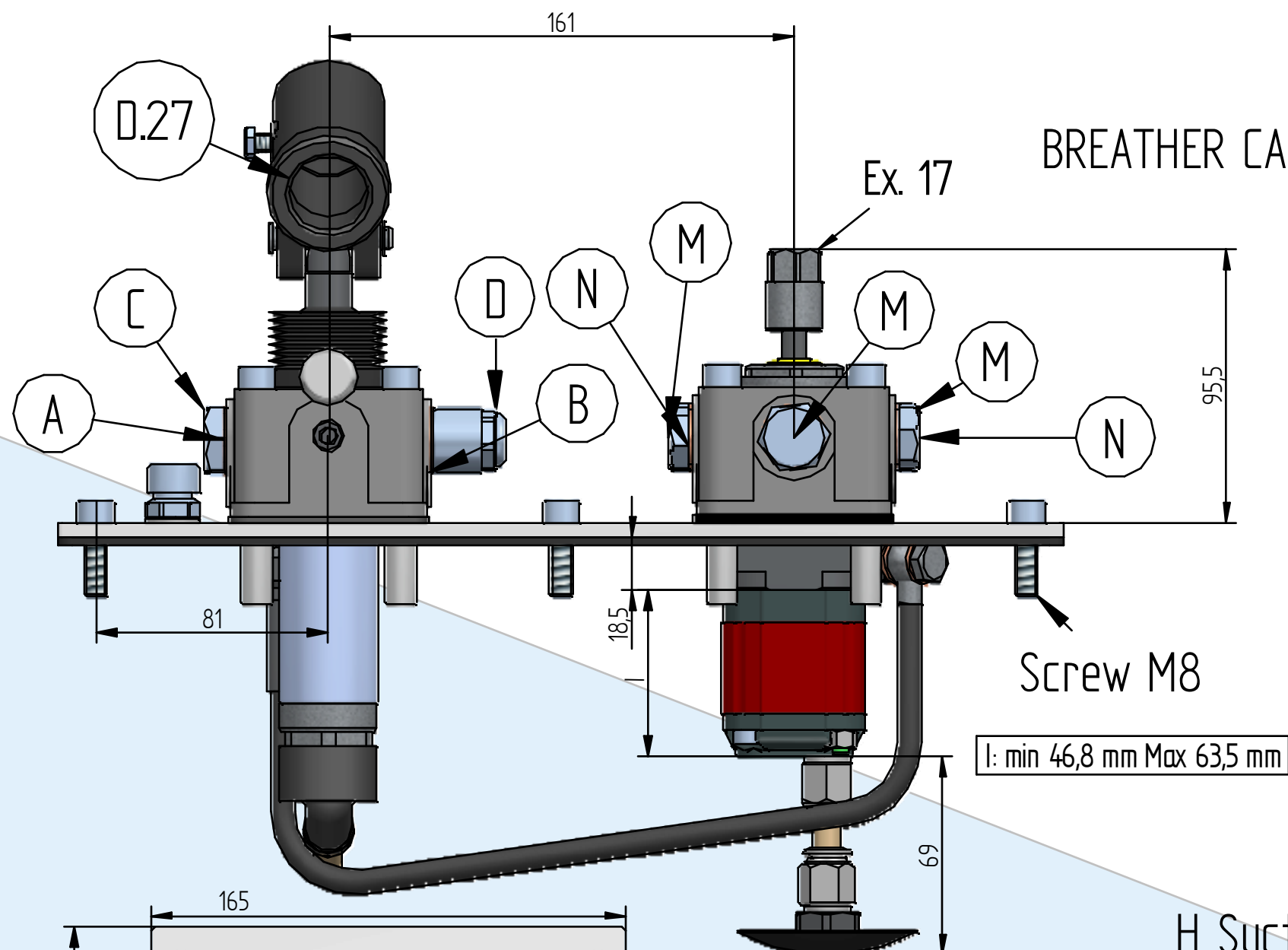
For double acting cylinder
without oil tank

For double acting cylinder
Per cilindro a doppio effetto

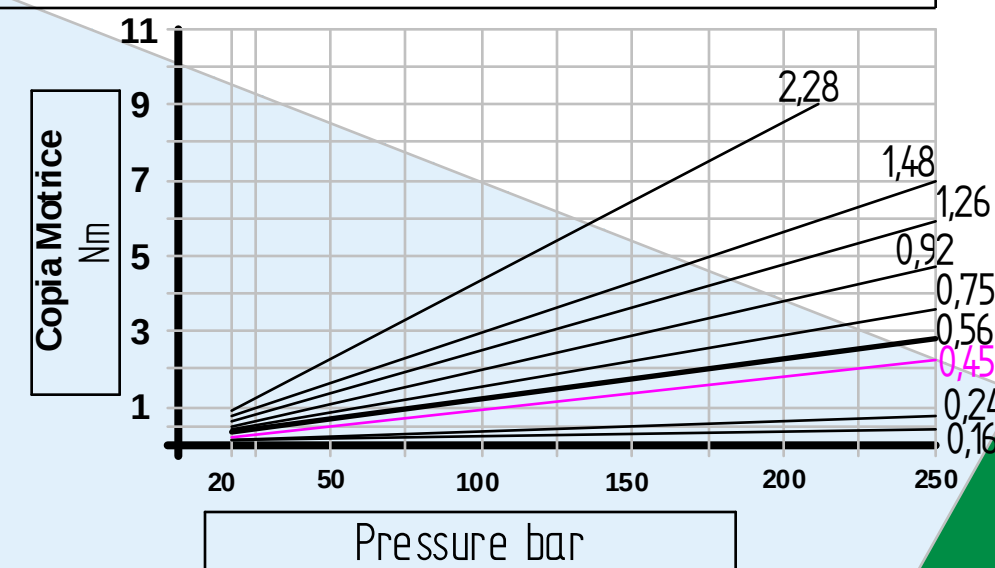
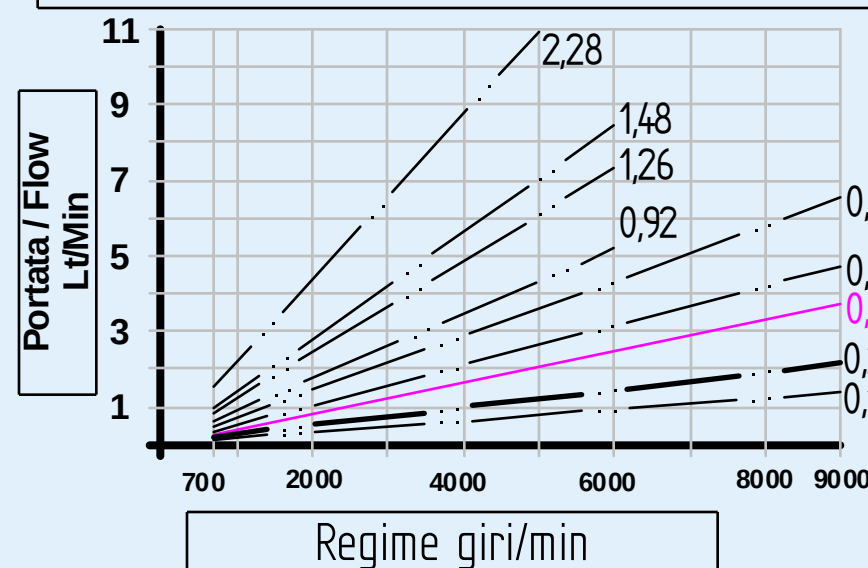


A	1/4 gas
B	1/4 gas
C	3/8 gas
D	Relief valve
F	Hole
H	Suction
M	1/4 gas
N	3/8 gas

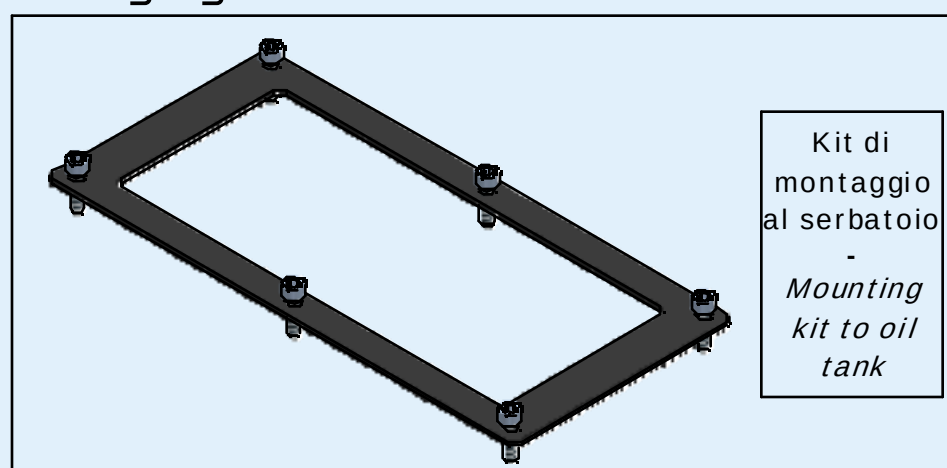
Weight: 9 Kg



Pompa ad ingranaggi - Gear pump

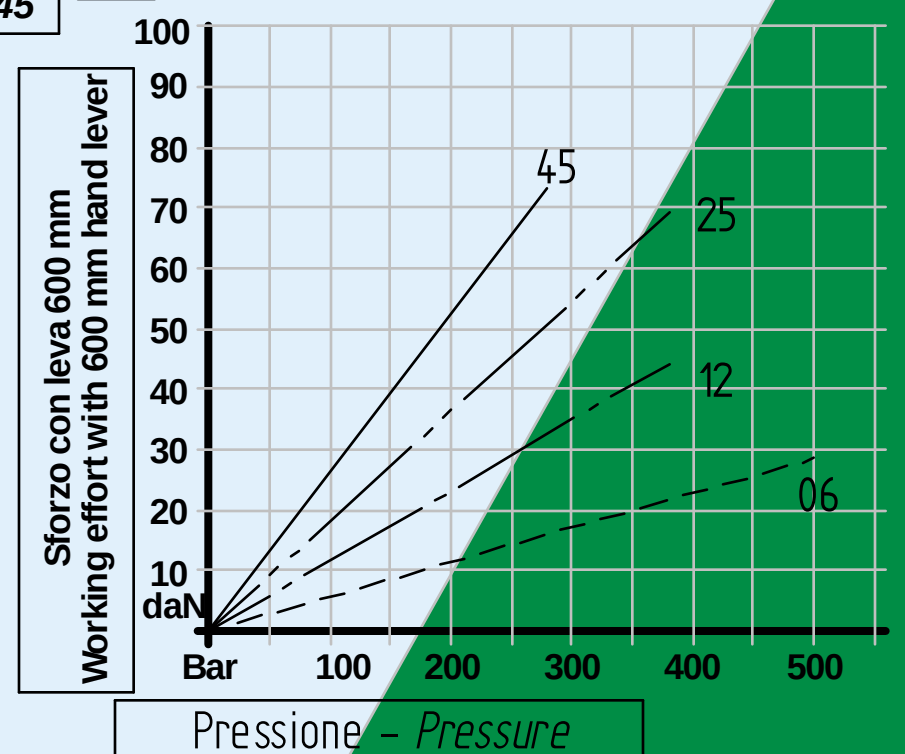


D Discharging hole



Kit di montaggio al serbatoio
-
Mounting kit to oil tank

Diagramma prove di carico Load curve



Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pumps' max pressure
min - max (bar) 30 - (...)

Codice di ordinazione - Ordering code

ZES

Option 1	017
	025
	045
	057
	076
	098
	127
	152
	230

DE

Option 2	06
	12
	25
	45

WOT

Option 1

cc Gear pump

017	0,16 cc
025	0,24 cc
045	0,45 cc - Standard Version
057	0,56 cc
076	0,75 cc
098	0,92 cc
127	1,26 cc
152	1,48 cc
230	2,28 cc

Option 2

cc Hand pump

6	6 cc
12	12,5 cc
25	19,5 cc - Standard Version
45	28 cc

Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
6	400	017	0,16	260	700	9.000
12,5	320	025	0,24	260	700	9.000
19,4	300	045	0,45	280	700	9.000
28	250	057	0,56	280	700	9.000
		076	0,75	280	700	9.000
		098	0,92	280	700	6.000
		127	1,26	280	700	6.000
		152	1,48	280	700	6.000
		230	2,28	210	700	5.000

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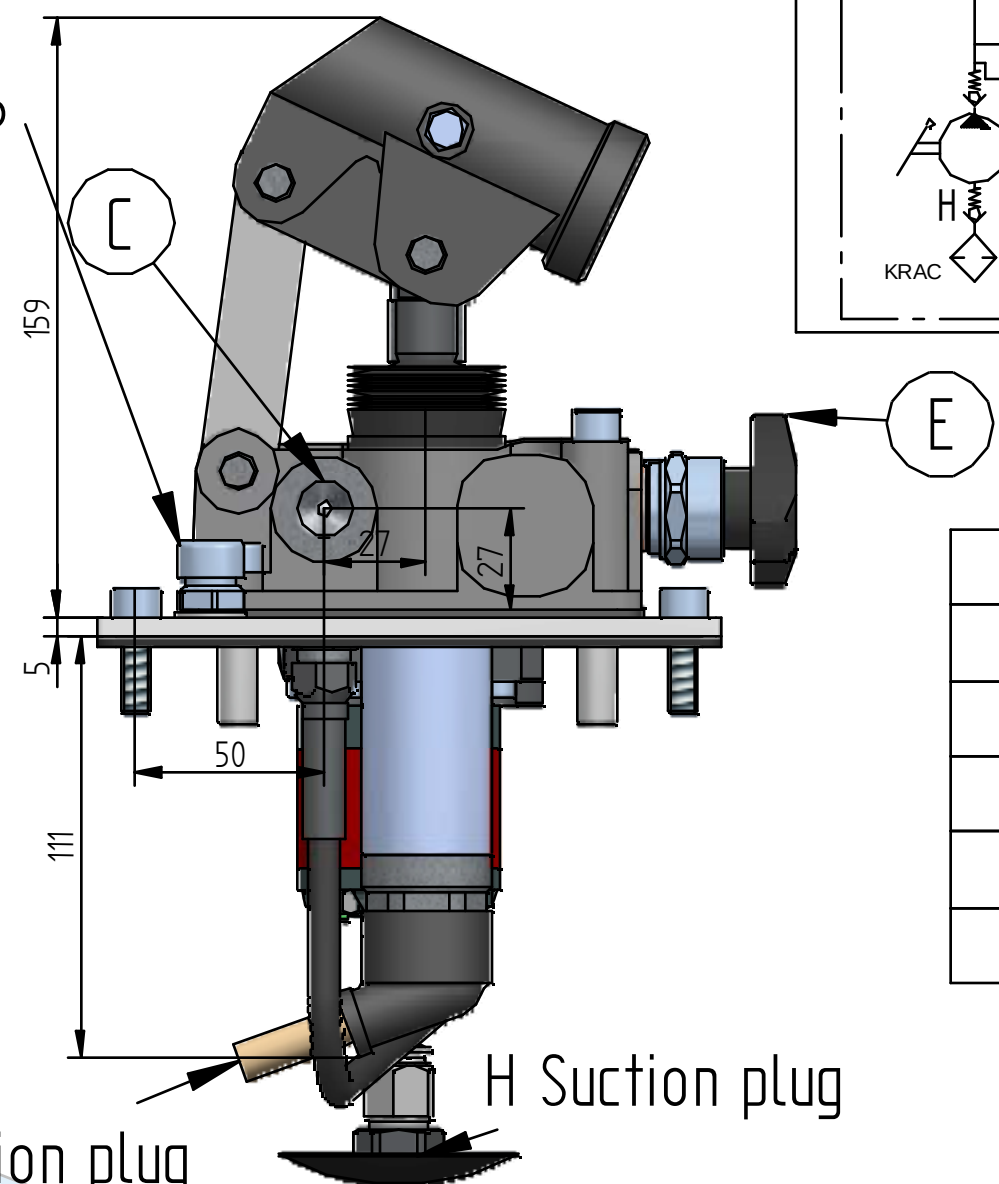
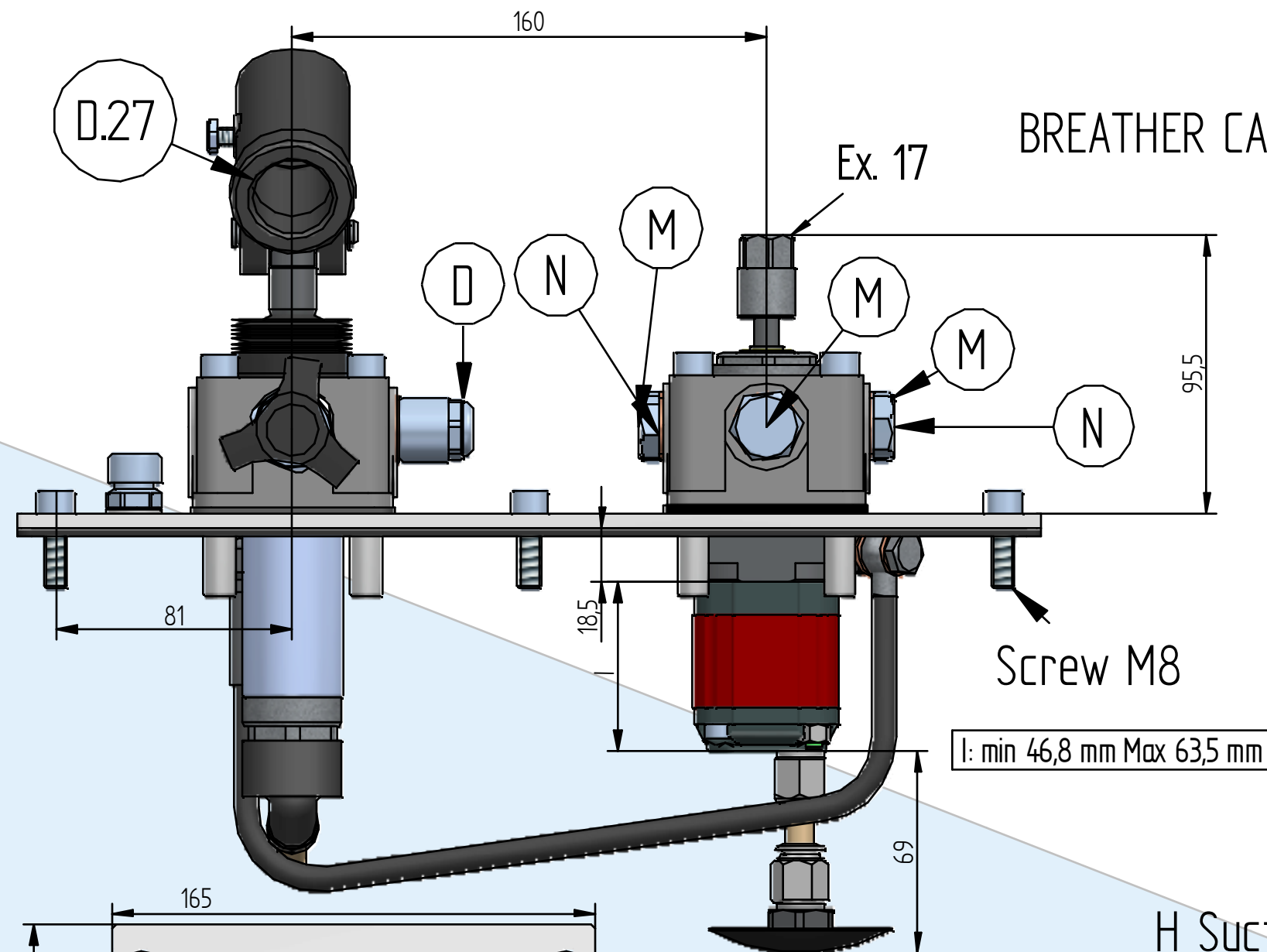
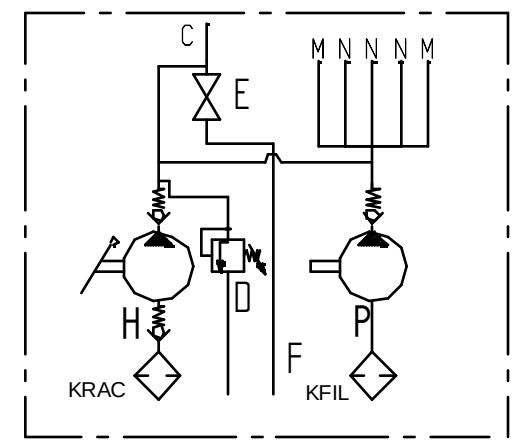
WOT

Clockwise rotation

Rotazione oraria

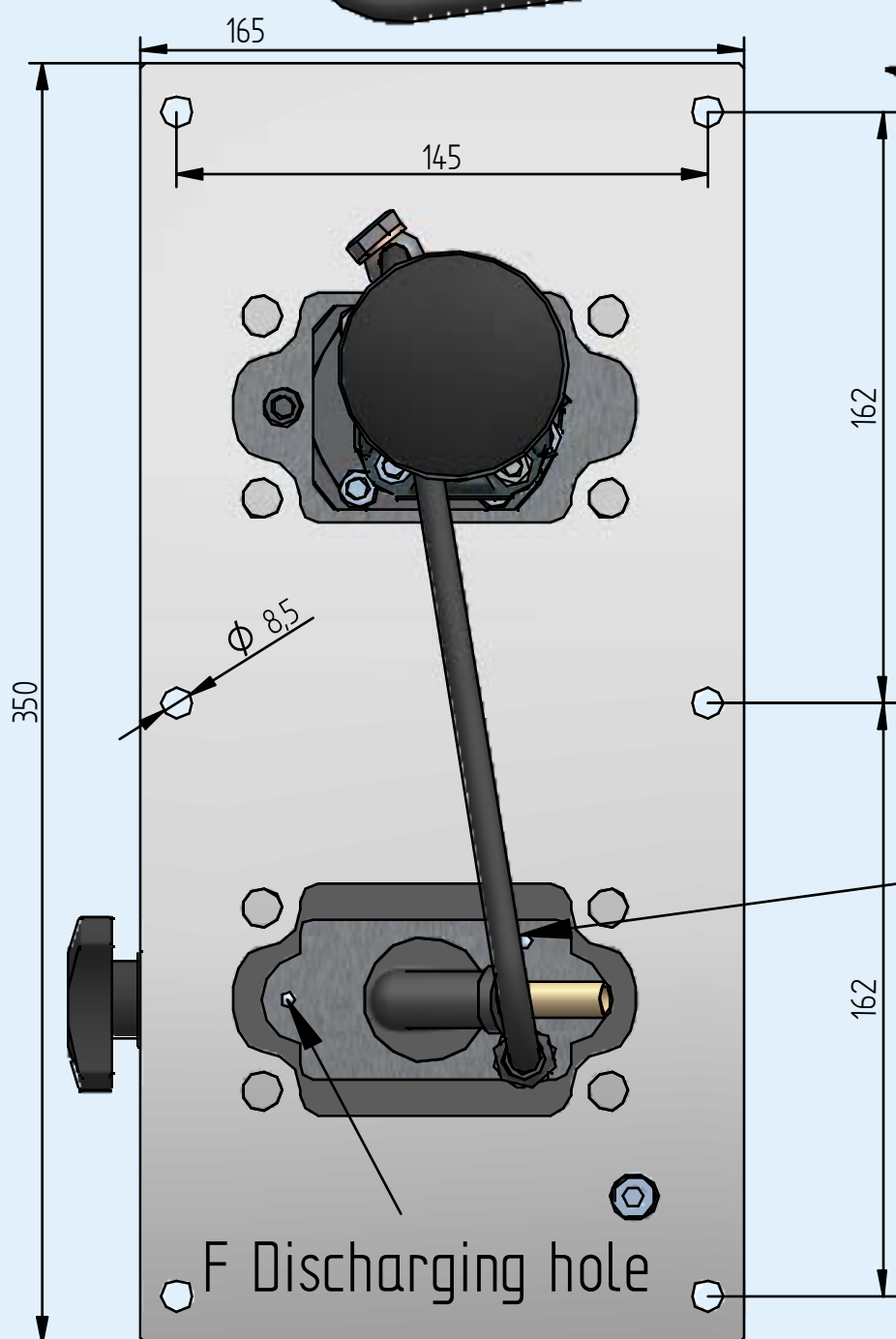
For single acting cylinder
without oil tank

For single acting cylinder
Per cilindro a semplice effetto

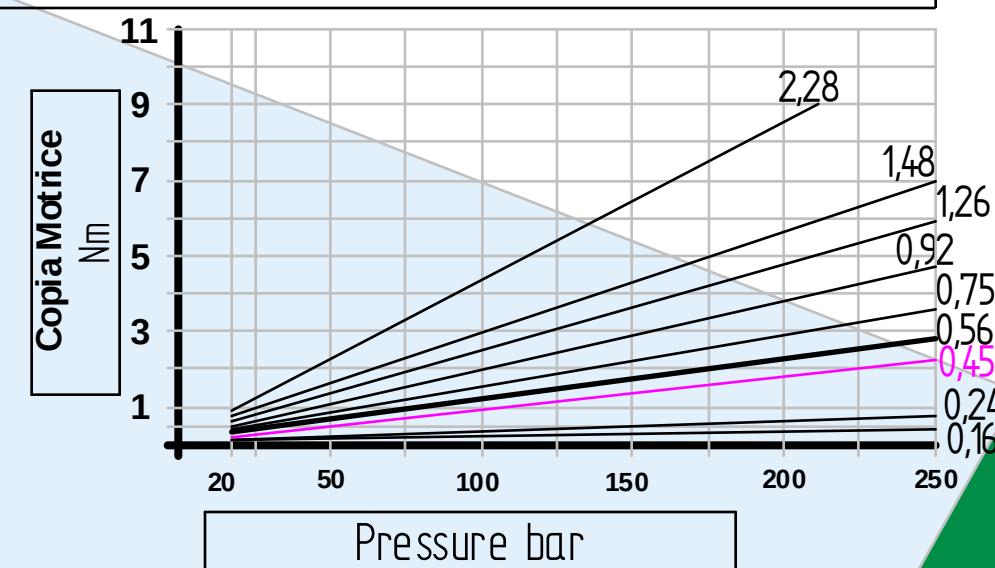
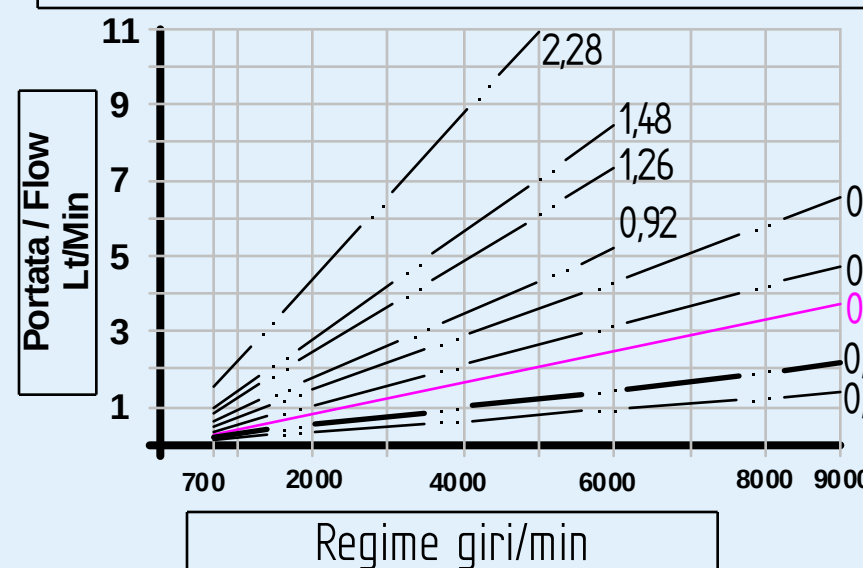


C	3/8 gas
D	Relief valve
F	Hole
H	Suction
M	1/4 gas
N	3/8 gas

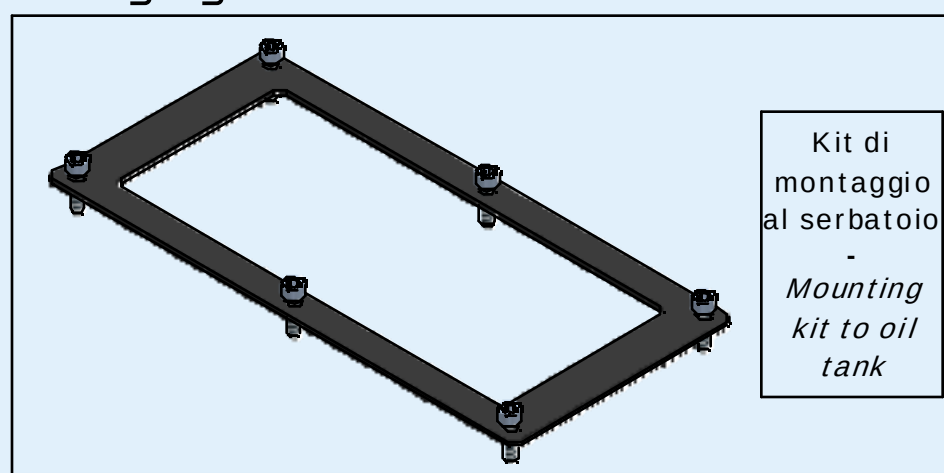
Weight: 9 Kg



Pompa ad ingranaggi - Gear pump

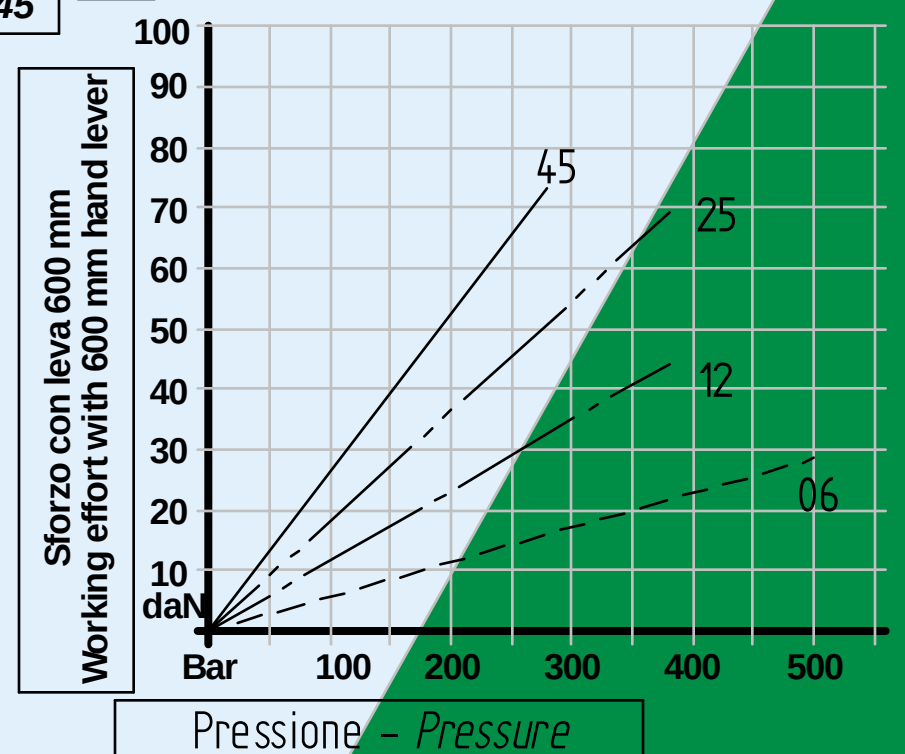


D Discharging hole



Kit di montaggio al serbatoio
-
Mounting kit to oil tank

Diagramma prove di carico Load curve



Codice di ordinazione - Ordering code

ZES

Option 1	017
	025
	045
	057
	076
	098
	127
	152
	230

SE

Option 2	06
	12
	25
	45

WOT

Option 1

cc Gear pump

017	0.16 cc
025	0.24 cc
045	0.45 cc - Standard Version
057	0.56 cc
076	0.75 cc
098	0.92 cc
127	1.26 cc
152	1.48 cc
230	2.28 cc

Option 2

cc Hand pump

6	6 cc
12	12.5 cc
25	19.5 cc - Standard Version
45	28 cc

Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pumps' max pressure
min - max (bar) 30 - (...)

Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
6	400	017	0.16	260	700	9.000
12,5	320	025	0.24	260	700	9.000
19,4	300	045	0.45	280	700	9.000
28	250	057	0.56	280	700	9.000
		076	0.75	280	700	9.000
		098	0.92	280	700	6.000
		127	1.26	280	700	6.000
		152	1.48	280	700	6.000
		230	2.28	210	700	5.000

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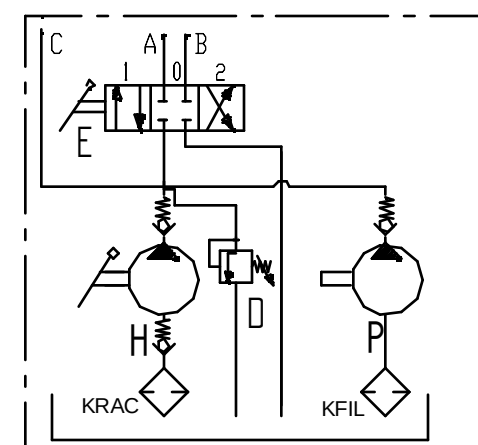
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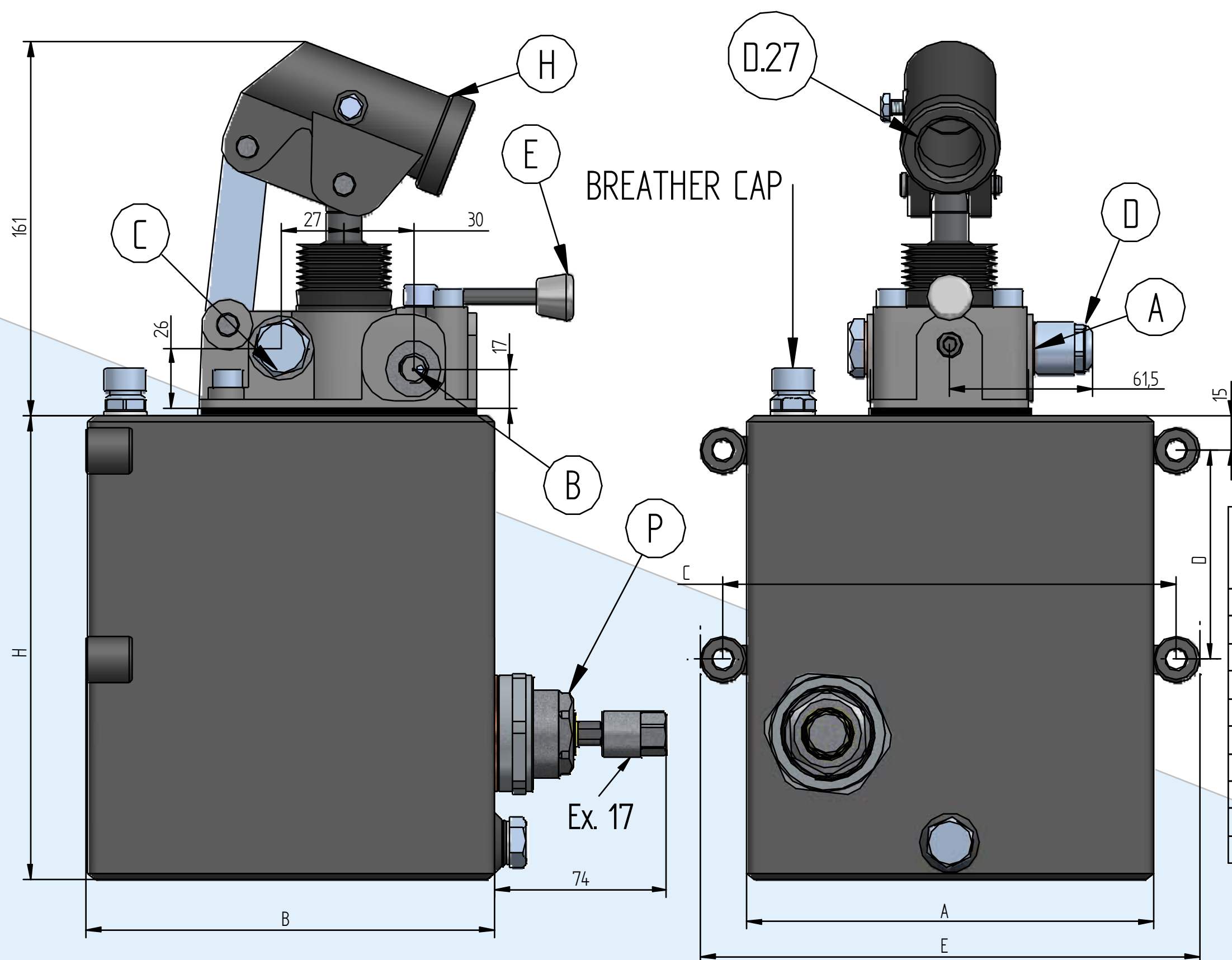
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For double acting cylinder
Per cilindro a doppio effetto



A	1/4 gas
B	1/4 gas
C	3/8 gas
D	Relief valve

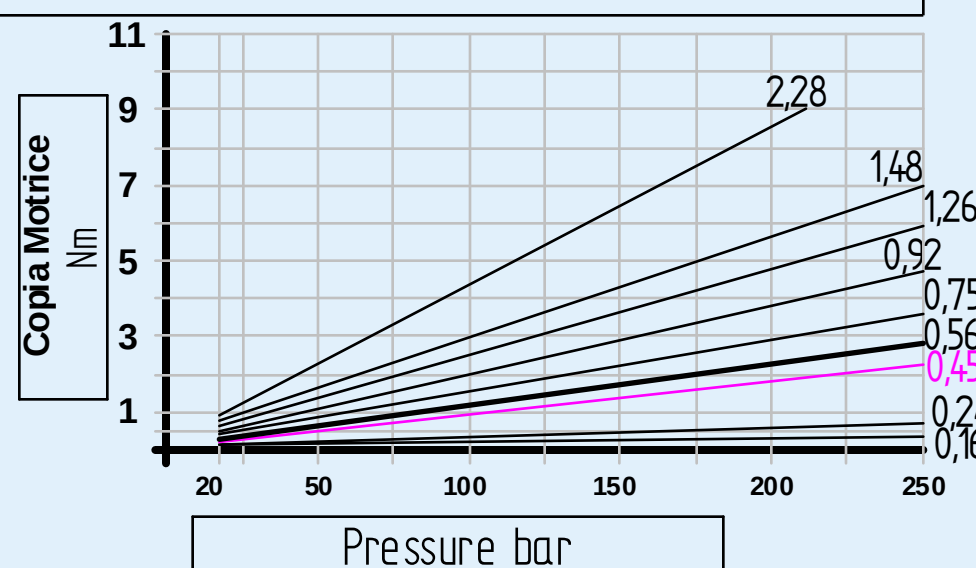
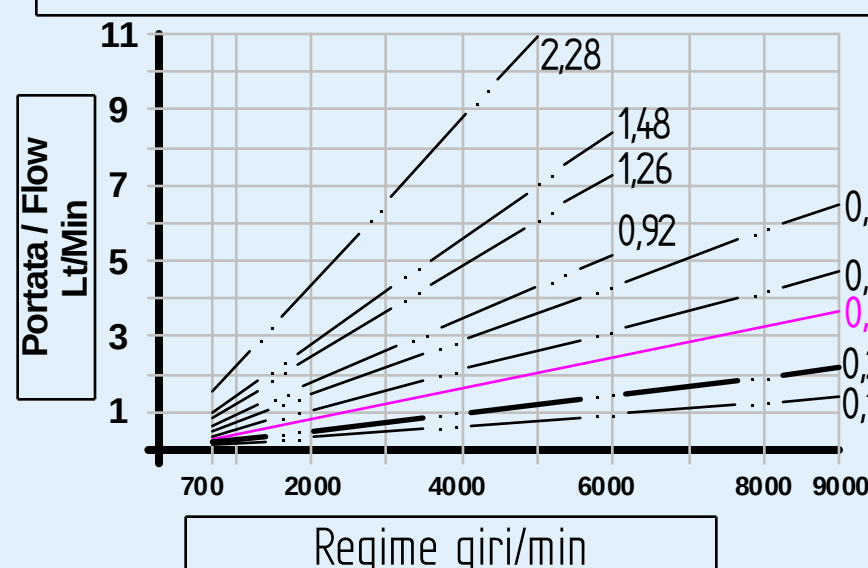


Oil Tank	SR 03 FE	SR 07 FE	SR 07 FE	SR 10 FE
Capacità - Tank capacity (litres)	3	5	7	10
Tappo sfiato - Breather cap	X	X	X	X
Ferro verniciato - Painted iron	X	X	X	X
A (mm)	100	175	175	175
B (mm)	150	175	175	175
C (mm)	120	195	195	195
D (mm)	90	90	90	90
E (mm)	140	215	215	215
H (mm)	245	200	269	376
Peso - Weight (Kg)	2,5	4,5	5,4	6,8

Total Weight Kg

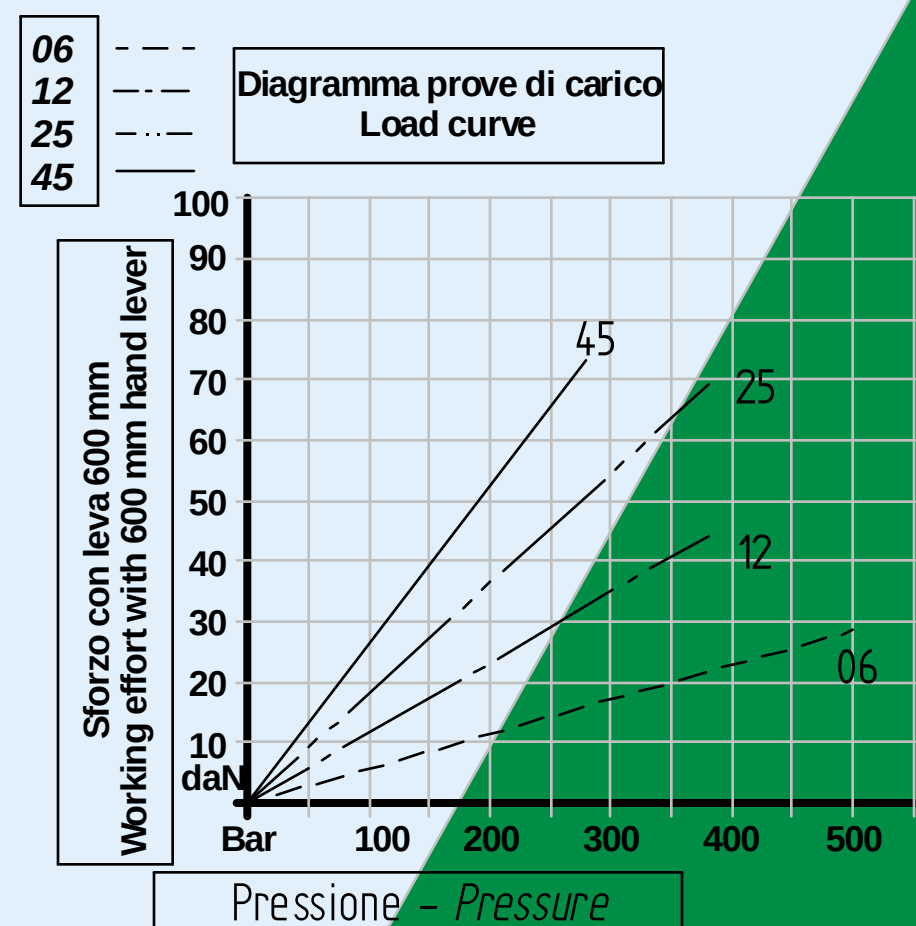
5,7 + Weight of oil tank

Pompa ad ingranaggi - Gear pump



Coppia di serraggio vite con rivetto: 8/10 Nm
Torque of fastened screw: 8/10 Nm

Diagramma prove di carico
Load curve

**Codice di ordinazione - Ordering code**

ZES	Option 1	017
		025
		045
		057
		076
		098
		127
		152
		230

DE

Option 2	06
	12
	25
	45

SR

Option 3	03
	05
	07
	10

Option 1	
cc Gear pump	
017	0,16 cc
025	0,24 cc
045	0,45 cc - Standard Version
057	0,56 cc
076	0,75 cc
098	0,92 cc
127	1,26 cc
152	1,48 cc
230	2,28 cc

Option 2	
cc Hand pump	
6	6 cc
12	12,5 cc
25	19,5 cc - Standard Version
45	28 cc

Option 3	
Lt Oil Tank	
SR03	3
SR05	5
SR07	7
SR10	10

Taratura valvola di massima pressione - (Comunque non oltre la pressione massima della pompa).
Relief valve setting - However not over the pumps' max pressure
min - max (bar) 30 - (...)

Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
6	400	017	016	260	700	9.000
		025	024	260	700	9.000
		045	045	280	700	9.000
12,5	320	057	056	280	700	9.000
		076	075	280	700	9.000
19,4	300	098	092	280	700	6.000
		127	126	280	700	6.000
28	250	152	148	280	700	6.000
		230	228	210	700	5.000

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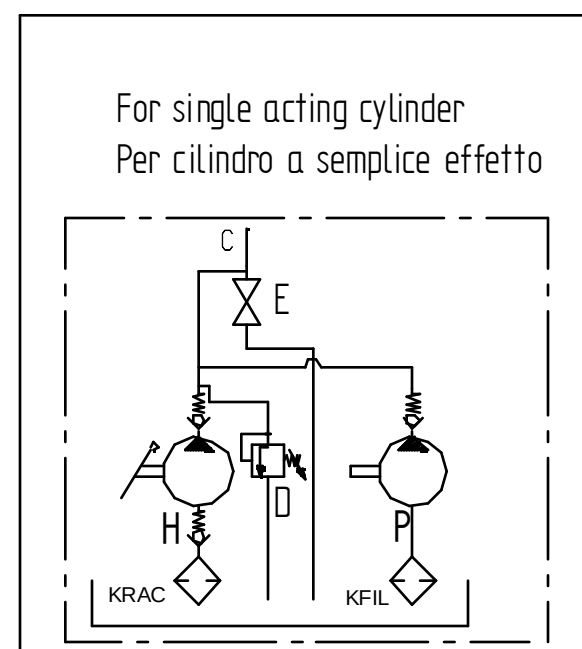
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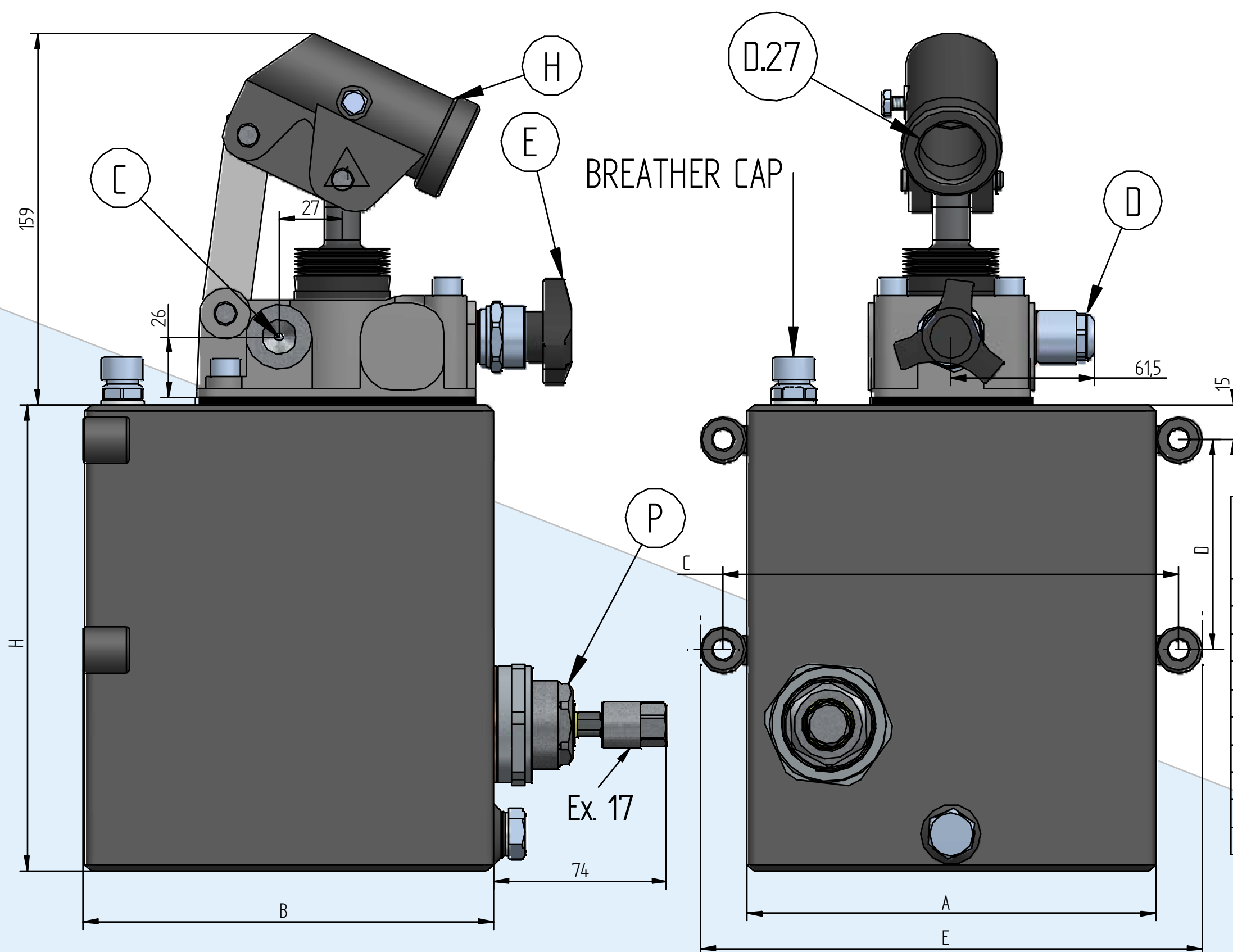
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*For single acting cylinder
with oil tank*



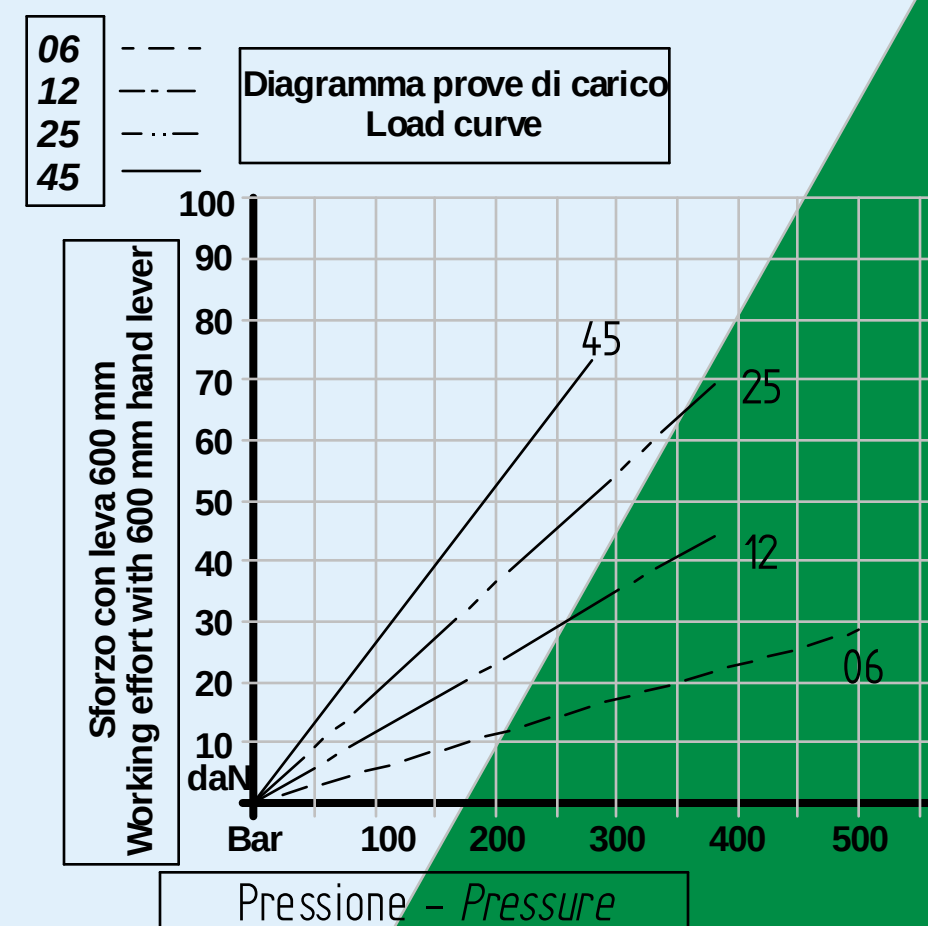
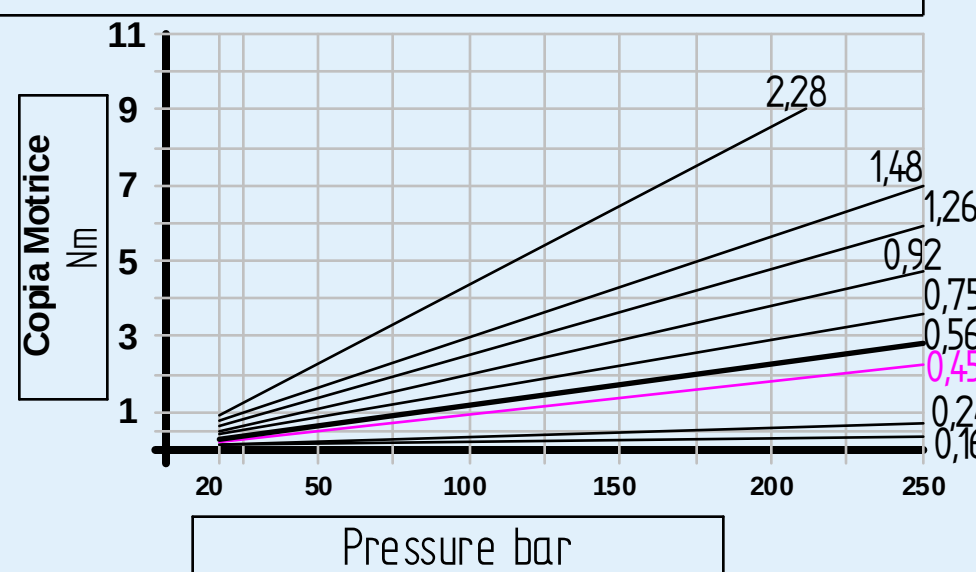
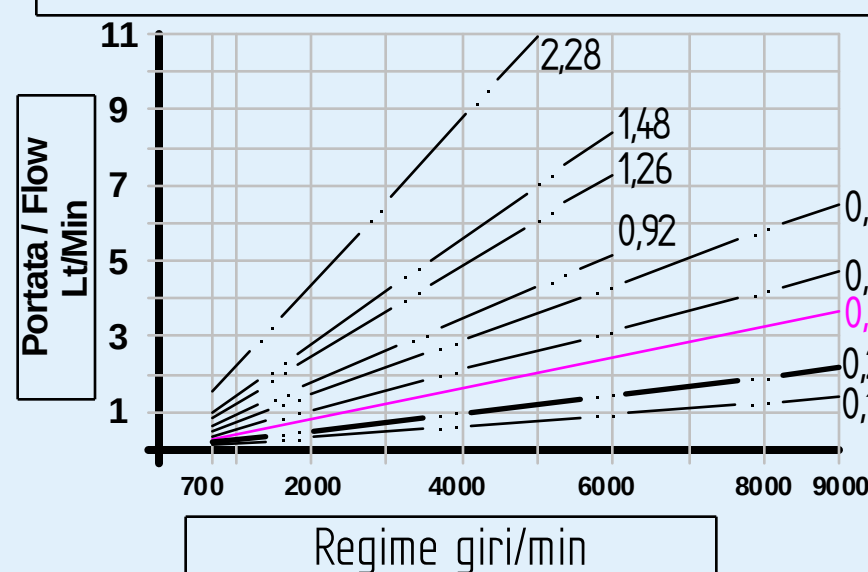
C	3/8 gas
D	Relief valve



Oil Tank	SR 03 FE	SR 05 FE	SR 07 FE	SR 10 FE
<i>Capacità - Tank capacity (litres)</i>	3	5	7	10
<i>Tappo sfiato - Breather cap</i>	X	X	X	X
<i>Ferro verniciato - Painted iron</i>	X	X	X	X
<i>A (mm)</i>	100	175	175	175
<i>B (mm)</i>	150	175	175	175
<i>C (mm)</i>	120	195	195	195
<i>D (mm)</i>	90	90	90	90
<i>E (mm)</i>	140	215	215	215
<i>H (mm)</i>	245	200	269	376
<i>Peso - Weight (Kg)</i>	2,5	4,5	5,4	6,8

Total Weight Kg
5,7 + Weight of oil tank

Coppia di serraggio vite con rivetto: 8/10 Nm
Torque of fastened screw: 8/10 Nm



ZES

Option 1	017
	025
	045
	057
	076
	098
	127
	152

SE

Option 2	06
	12
	25
	45

SR

Option 3	03
	05
	07
	10

Option 1	
cc Gear pump	
017	0,16 cc
025	0,24 cc
045	0,45 cc - Standard Version
057	0,56 cc
076	0,75 cc
098	0,92 cc
127	1,26 cc
152	1,48 cc
230	2,28 cc

Option 2	
cc Hand pump	
6	6 cc
12	12,5 cc
25	19,5 cc - Standard Version
45	28 cc

Option 3	
Lt Oil Tank	
SR03	3
SR05	5
SR07	7
SR10	10

Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
6	400	017	0,16	260	700	9.000
		025	0,24	260	700	9.000
		045	0,45	280	700	9.000
12,5	320	057	0,56	280	700	9.000
		076	0,75	280	700	9.000
		098	0,92	280	700	6.000
19,4	300	127	1,26	280	700	6.000
		152	1,48	280	700	6.000
		230	2,28	210	700	5.000
28	250					

Taratura valvola di massima pressione - (Comunque non oltre la pressione massima della pompa.)
Relief valve setting - (However not over the pumps' max pressure)
 min - max (bar) 30 - (...)

Dati tecnici indicativi e non impegnativi.
L'azienda si riserva di apportare modifiche in qualsiasi momento e senza preavviso.
Technical data not binding. Modifications reserved without prior notice.

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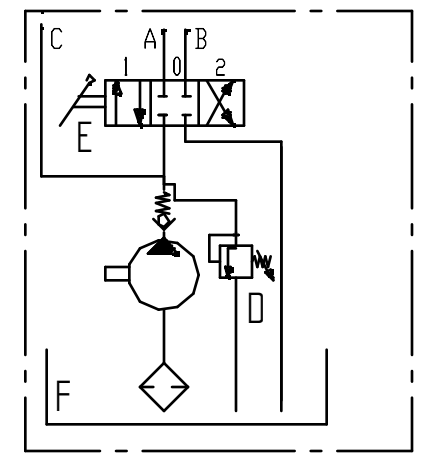
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Clockwise rotation
Rotazione oraria

For double acting cylinder
with oil tank

For double acting cylinder
Per cilindro a doppio effetto

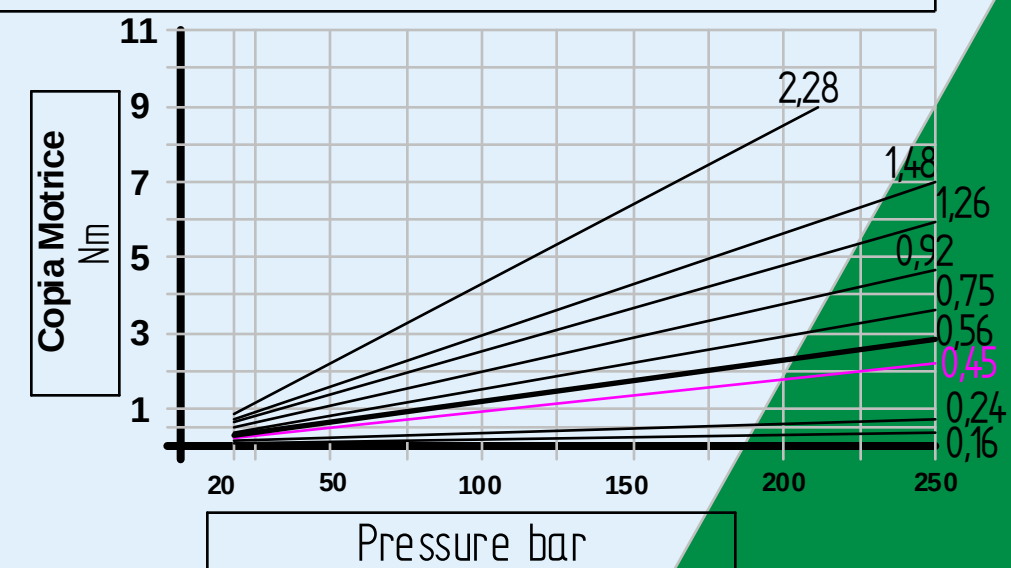
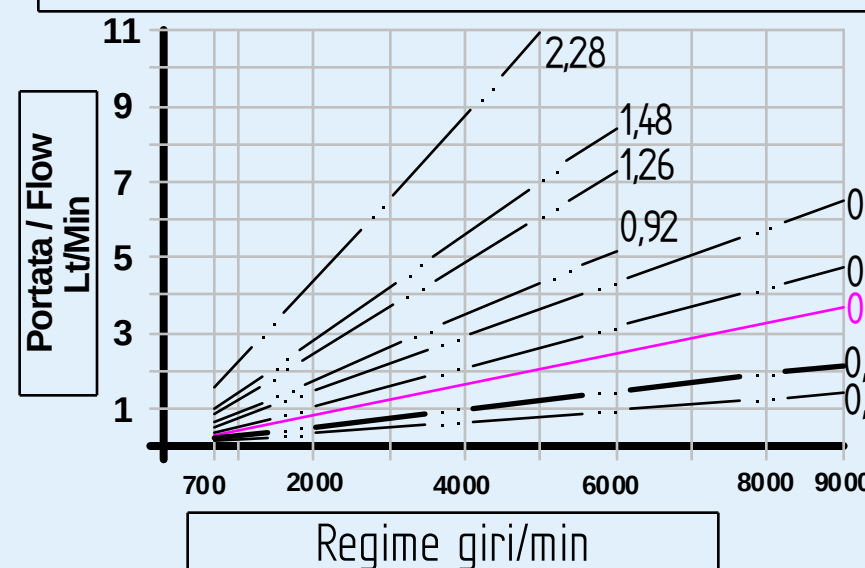


A	1/4 gas
B	1/4 gas
C	3/8 gas
D	Relief valve
F	Oil Tank
H	Breather cap

Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
017	0,16	260	700	9.000
025	0,24	260	700	9.000
045	0,45	280	700	9.000
057	0,56	280	700	9.000
076	0,75	280	700	9.000
098	0,92	280	700	6.000
127	1,26	280	700	6.000
152	1,48	280	700	6.000
230	2,28	210	700	5.000
Peso/Weight		3,3 Kg		

Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pump's max pressure
min - max (bar) 30 - (...)

Pompa ad ingranaggi - Gear pump



Codice di ordinazione
Ordering code

ZES Option 1 DE Option 2

Option 1

cc Gear pump

Option 2

Oil Tank

017	0,16 cc
025	0,24 cc
045	0,45 cc - Standard Version
057	0,56 cc
076	0,75 cc
098	0,92 cc
127	1,26 cc
152	1,48 cc
230	2,28 cc

Total Weight Kg
3,3 + Weight of oil tank

Coppia di serraggio vite con rivetto: 8/10 Nm
Torque of fastened screw: 8/10 Nm

Option 2

	SR 01	SR 02	SR 03	SR 05	SR 07	SR 10	SR 02,5 -160	SR 04 -160	SR 06 -160	SR 08 -160	SR 02 -150	SR 03 -150	SR 05 -150	SR 07 -150	SR 10 -150	SR 01 ALO	SR 02 ALO	SR 03 ALO	SR 05 ALO
Capacità - Tank capacity (litres)	1	2	3	5	7	10	2,5	4	6	8	2	3	5	7	10	1	2	3	5
Spie livello olio - Oil level																X	X	X	X
Tappo sfiato - Breather cap	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Alluminio - Aluminium																X	X	X	X
Ferro verniciato - Painted iron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
A (mm)	100	100	100	175	175	175	160	160	160	160	150	150	150	150	150	132	174	174	174
B (mm)	150	150	150	175	175	175	160	160	160	160	150	150	150	150	150	157	181	181	181
C (mm)	120	120	120	195	195	195	180	180	180	180	170	170	170	170	170	96	180	180	180
D (mm)	90	90	90	90	90	90	90	90	90	90	80	80	80	80	80	110	90	90	90
E (mm)	140	140	140	215	215	215	200	200	200	200	190	190	190	190	190	132	202	202	202
H (mm)	120	180	245	200	269	376	120	180	265	350	120	156	245	340	485	145	142	223	303
Peso - Weight (Kg)	2	2,2	2,5	4,5	5,4	6,8	2,9	3,9	5,0	6,2	2,6	3,1	4,3	5,6	7,6	1,3	1,7	1,9	2,4

Dati tecnici indicativi e non impegnativi.
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Technical data not binding. Modifications reserved without prior notice.

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C.F. - P.I. : IT01808760357

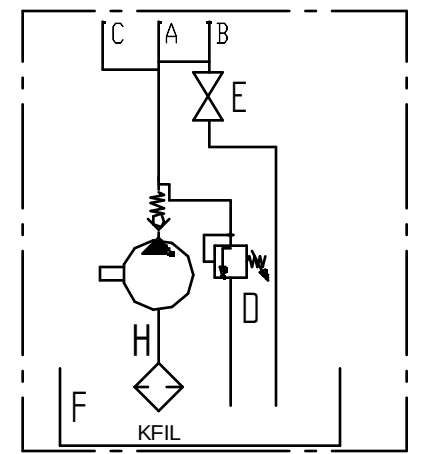
Ed. 2023

Pag. 11

Clockwise rotation
Rotazione oraria

For single acting cylinder
with oil tank

For single acting cylinder
Per cilindro a semplice effetto

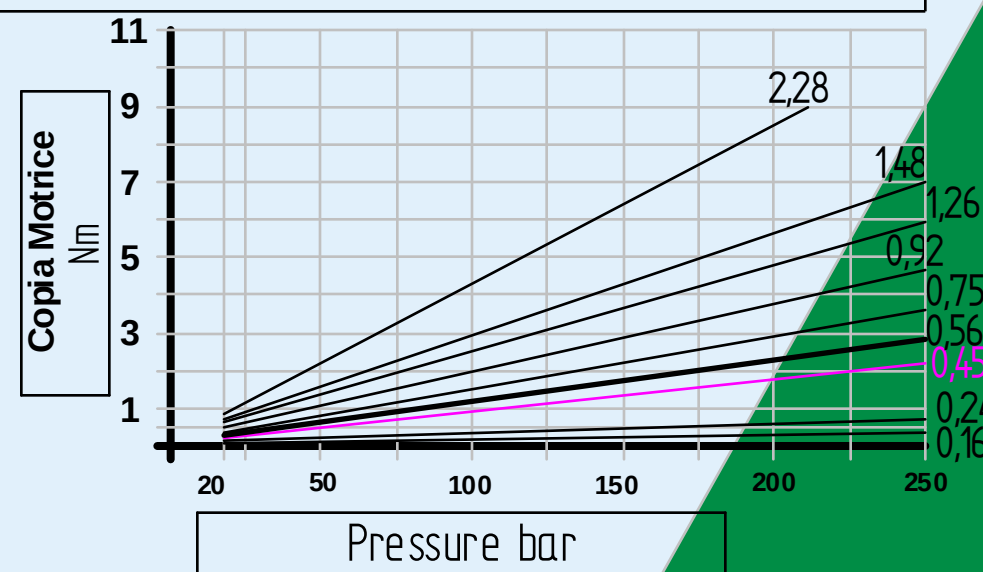
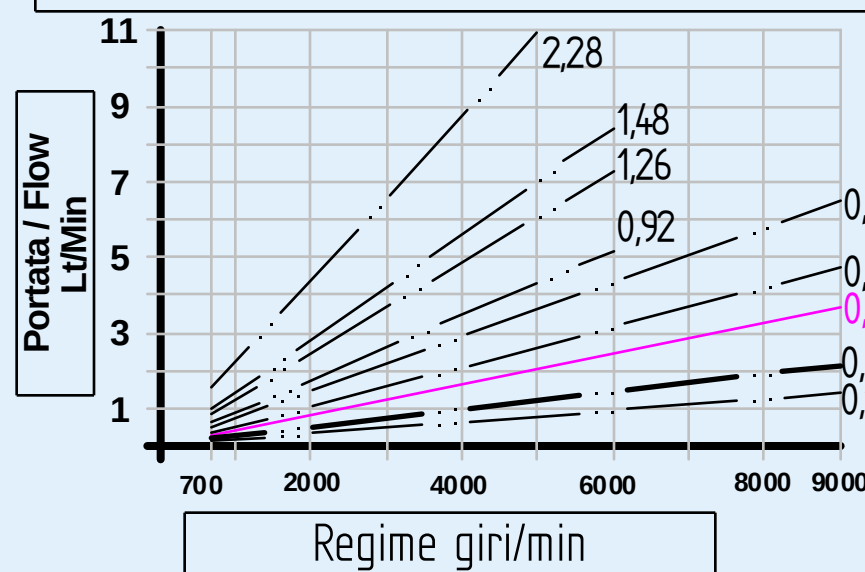


A	1/4 gas
B	1/4 gas
C	3/8 gas
D	Relief valve
F	Oil Tank
H	Breather cap

Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
017	0,16	260	700	9.000
025	0,24	260	700	9.000
045	0,45	280	700	9.000
057	0,56	280	700	9.000
076	0,75	280	700	9.000
098	0,92	280	700	6.000
127	1,26	280	700	6.000
152	1,48	280	700	6.000
230	2,28	210	700	5.000
Peso/Weight		3,3 Kg		

Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pump's max pressure
min - max (bar) 30 - (...)

Pompa ad ingranaggi - Gear pump



Codice di ordinazione
Ordering code

ZES Option 1 SE Option 2

Option 1

cc Gear pump

Option 2

Oil Tank

017	0,16 cc
025	0,24 cc
045	0,45 cc - Standard Version
057	0,56 cc
076	0,75 cc
098	0,92 cc
127	1,26 cc
152	1,48 cc
230	2,28 cc

Total Weight Kg
3,3 + Weight of oil tank

Coppia di serraggio vite con rivetto: 8/10 Nm
Torque of fastened screw: 8/10 Nm

Option 2

	SR 01	SR 02	SR 03	SR 05	SR 07	SR 10	SR 02,5 -160	SR 04 -160	SR 06 -160	SR 08 -160	SR 02 -150	SR 03 -150	SR 05 -150	SR 07 -150	SR 10 -150	SR 01 ALO	SR 02 ALO	SR 03 ALO	SR 05 ALO
Capacità - Tank capacity (litres)	1	2	3	5	7	10	2,5	4	6	8	2	3	5	7	10	1	2	3	5
Spie livello olio - Oil level																X	X	X	X
Tappo sfiato - Breather cap	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Alluminio - Aluminium																X	X	X	X
Ferro verniciato - Painted iron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
A (mm)	100	100	100	175	175	175	160	160	160	160	150	150	150	150	150	132	174	174	174
B (mm)	150	150	150	175	175	175	160	160	160	160	150	150	150	150	150	157	181	181	181
C (mm)	120	120	120	195	195	195	180	180	180	180	170	170	170	170	170	96	180	180	180
D (mm)	90	90	90	90	90	90	90	90	90	90	80	80	80	80	80	110	90	90	90
E (mm)	140	140	140	215	215	215	200	200	200	200	190	190	190	190	190	132	202	202	202
H (mm)	120	180	245	200	269	376	120	180	265	350	120	156	245	340	485	145	142	223	303
Peso - Weight (Kg)	2	2,2	2,5	4,5	5,4	6,8	2,9	3,9	5,0	6,2	2,6	3,1	4,3	5,6	7,6	1,3	1,7	1,9	2,4

Dati tecnici indicativi e non impegnativi.
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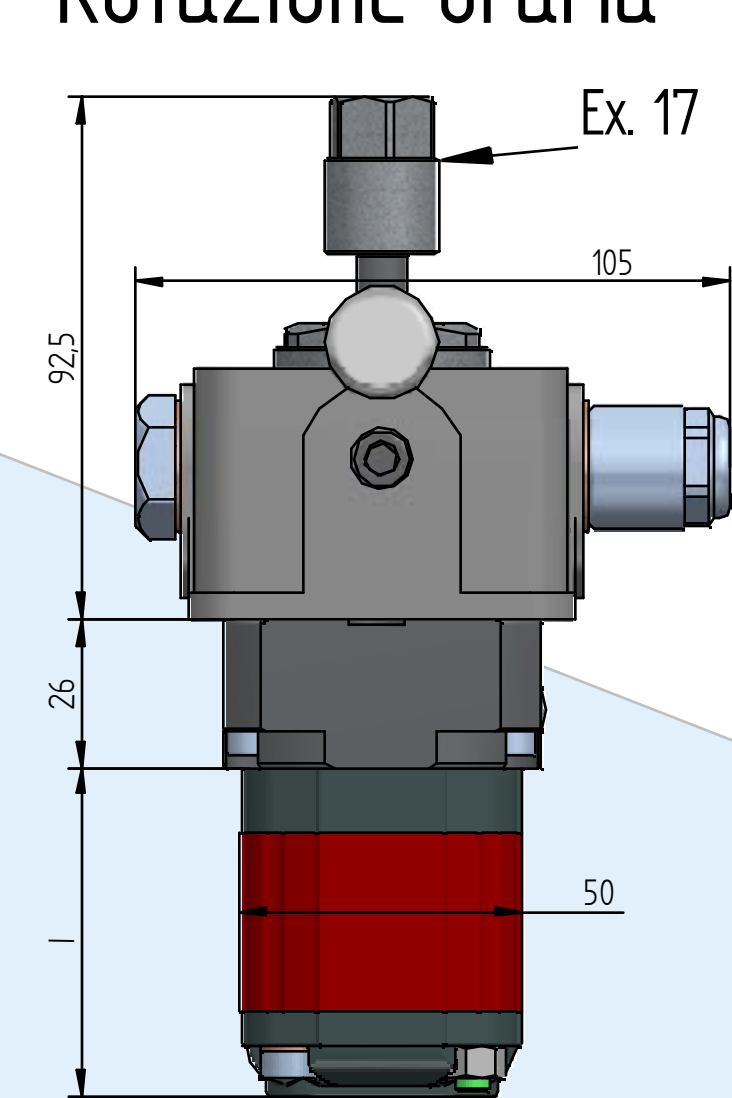
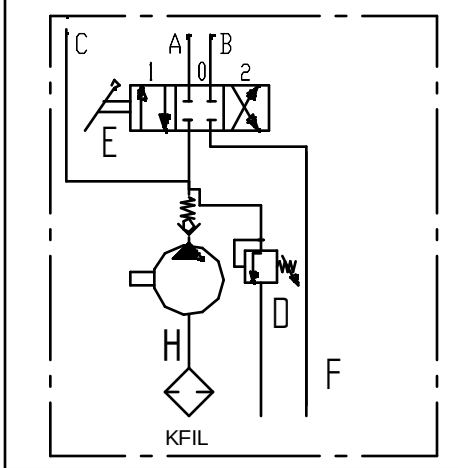
Ed. 2023

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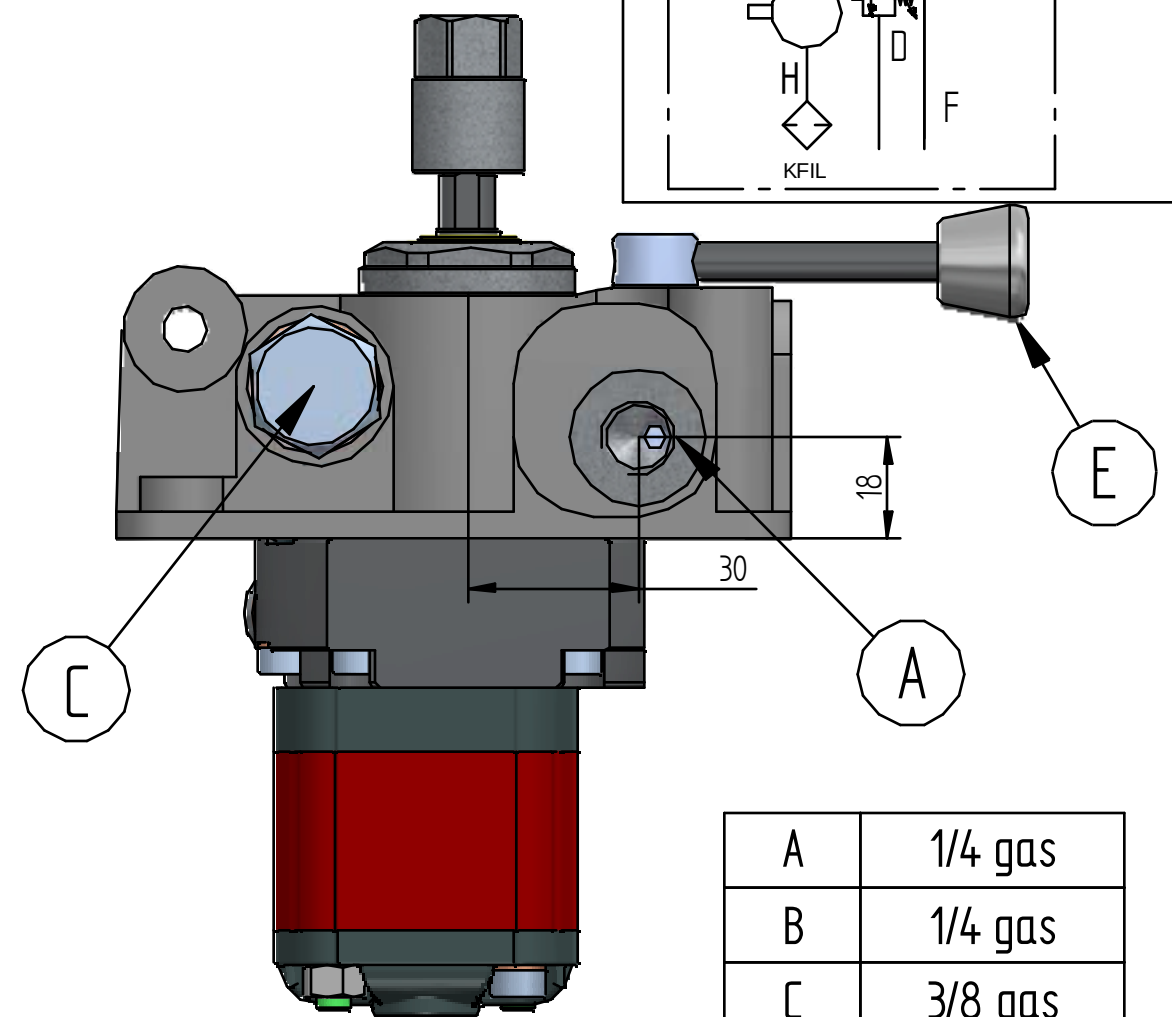
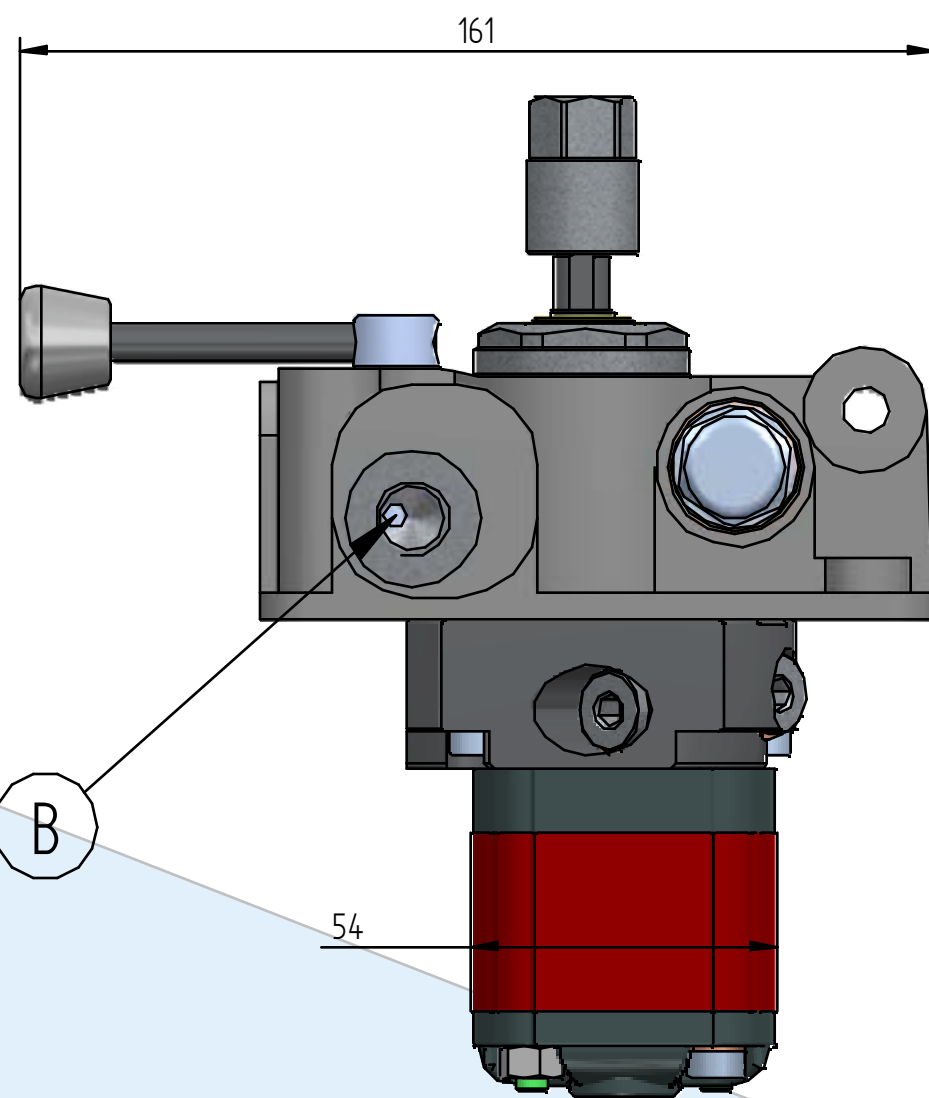
Clockwise rotation
Rotazione oraria

For double acting cylinder
without oil tank

For double acting cylinder
Per cilindro a doppio effetto



I: min 46,8 mm Max 63,5 mm



A	1/4 gas
B	1/4 gas
C	3/8 gas
D	Relief valve
F	Hole
H	1/4 gas

H Suction plug

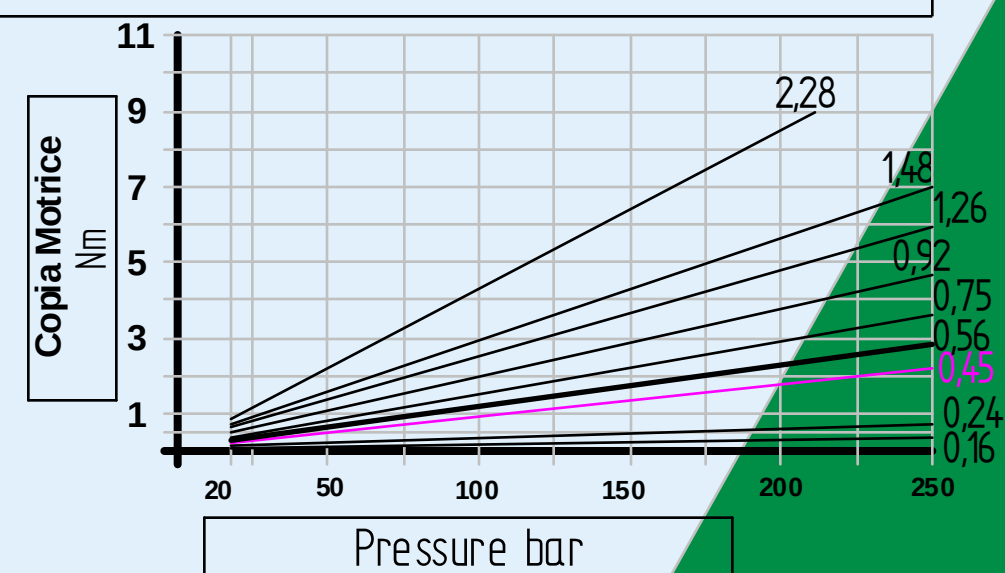
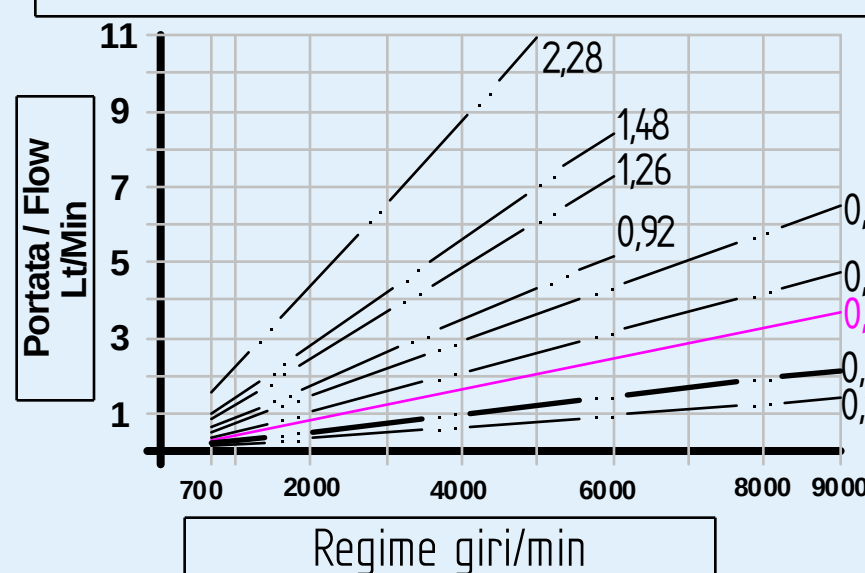
KFIL - KFILL - KFILS

Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pump's max pressure
min - max (bar) 30 - (...)

F Discharging hole

H Suction plug

Pompa ad ingranaggi - Gear pump



Codice di ordinazione - Ordering code

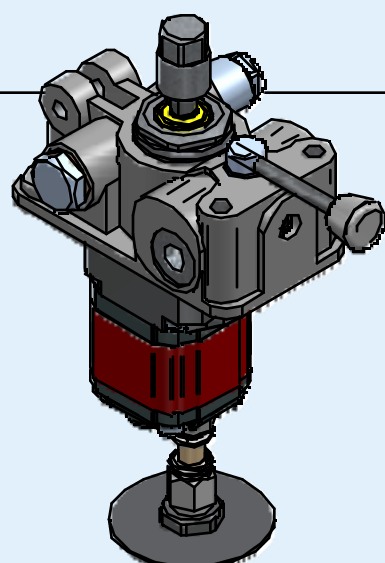
ZES

Option 1	017
	025
	045
	057
	076
	098
	127
	152
	230

DEB

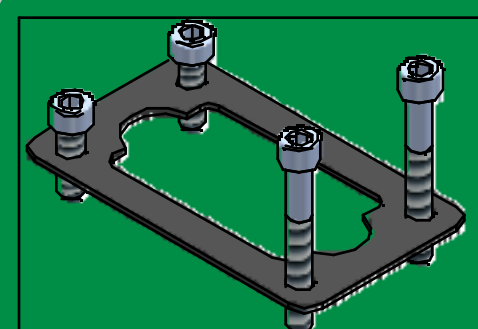
Option 1 cc Gear pump

017	0.16 cc
025	0.24 cc
045	0.45 cc - Standard Version
057	0.56 cc
076	0.75 cc
098	0.92 cc
127	1.26 cc
152	1.48 cc
230	2.28 cc



Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
017	0.16	260	700	9.000
025	0.24	260	700	9.000
045	0.45	280	700	9.000
057	0.56	280	700	9.000
076	0.75	280	700	9.000
098	0.92	280	700	6.000
127	1.26	280	700	6.000
152	1.48	280	700	6.000
230	2.28	210	700	5.000
Peso/Weight		3,3 kg		

KFIL - KFILL - KFILS
Filtro per aspirazione
ordinabile separatamente
Suction filter can be
ordered separately

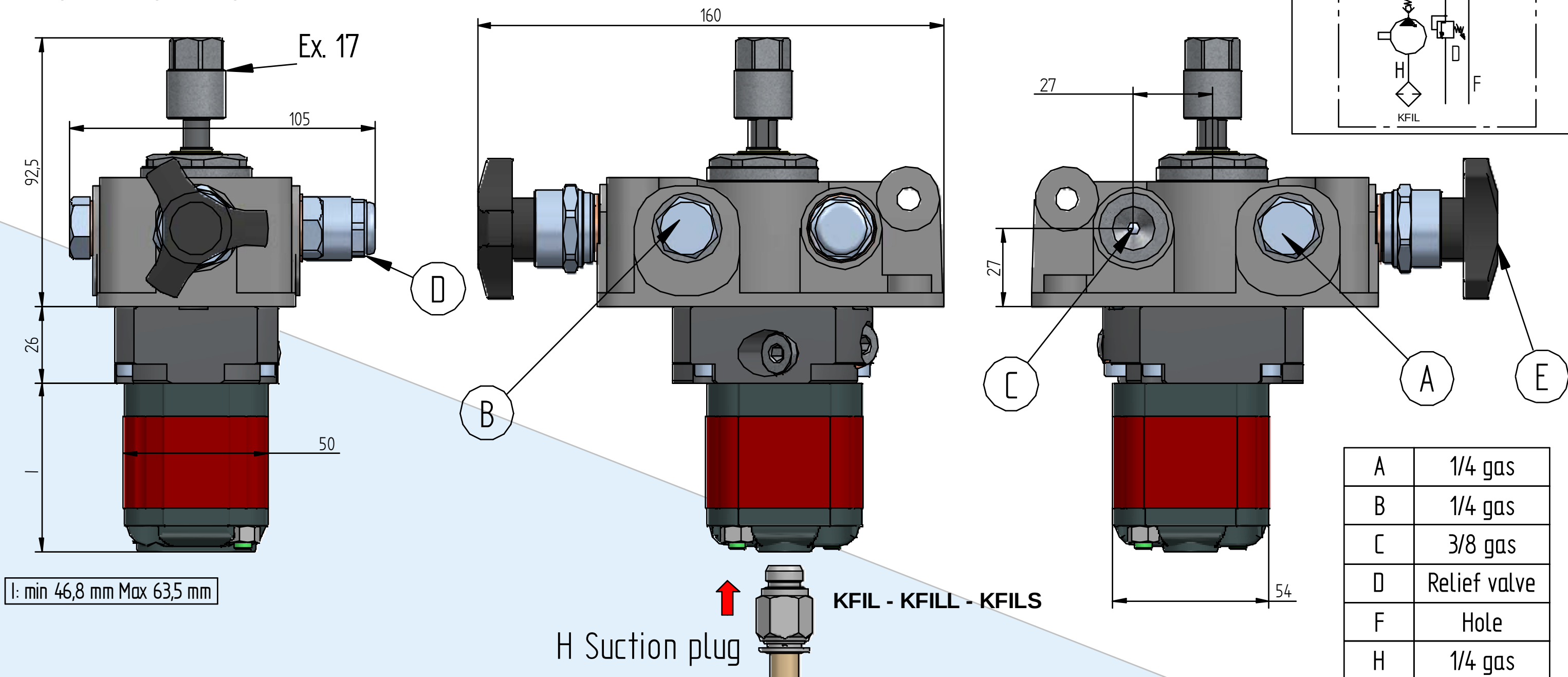
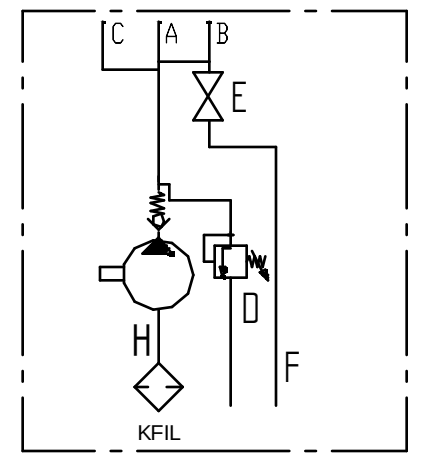


Kit di
montaggio
al serbatoio
-
Mounting
kit to oil
tank

Clockwise rotation
Rotazione oraria

For single acting cylinder
without oil tank

For single acting cylinder
Per cilindro a semplice effetto



I: min 46,8 mm Max 63,5 mm

H Suction plug

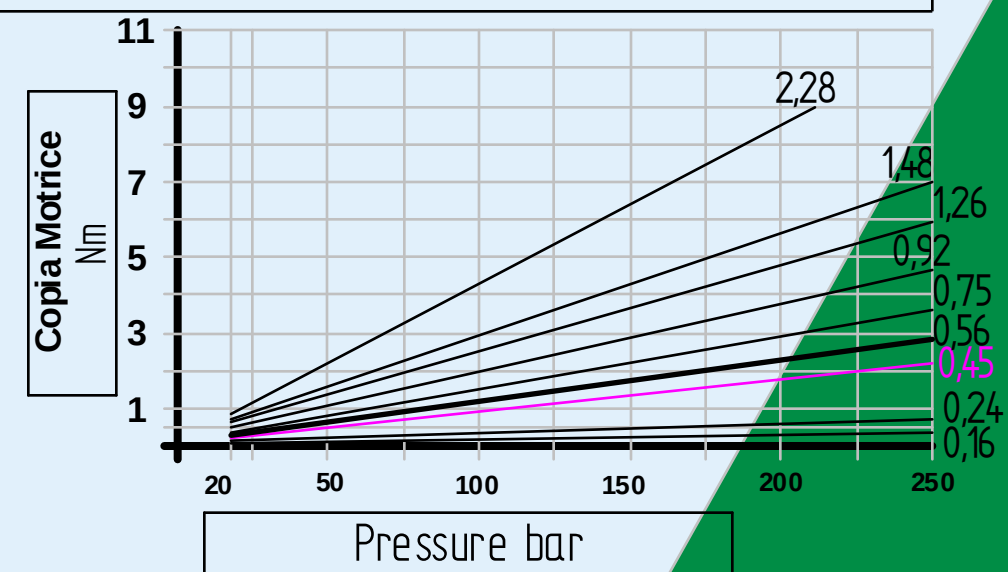
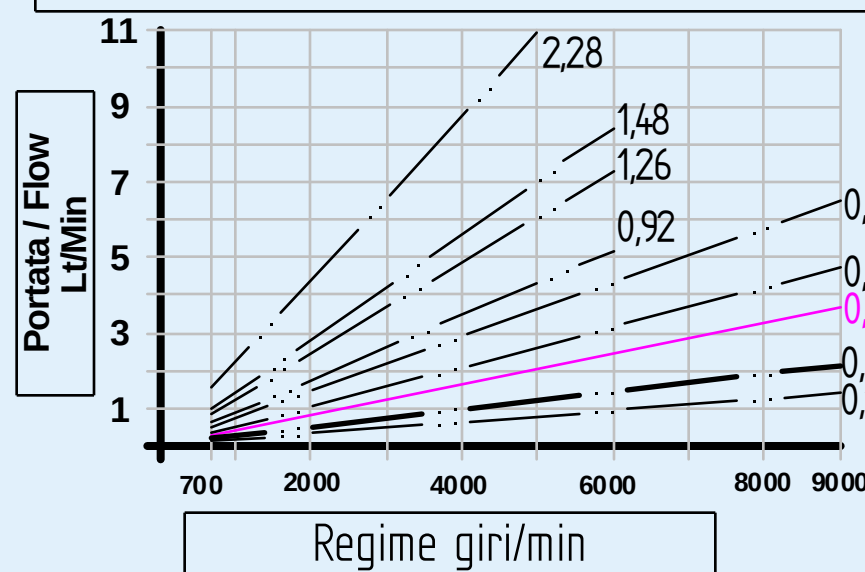
KFIL - KFILL - KFILS

Taratura valvola di massima pressione - Comunque non oltre la pressione massima della pompa.
Relief valve setting - However not over the pump's max pressure
min - max (bar) 30 - (...)

F Discharging hole

H Suction plug

Pompa ad ingranaggi - Gear pump



Codice di ordinazione - Ordering code

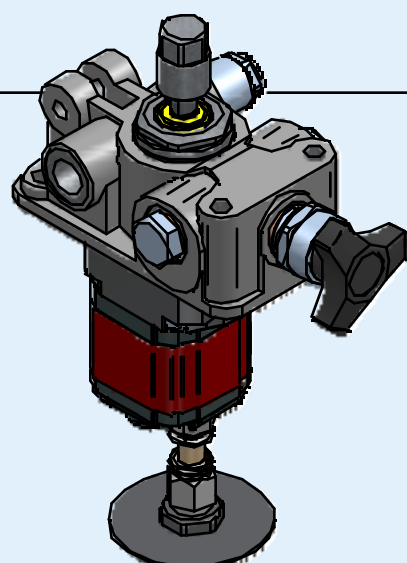
ZES

Option 1	017
	025
	045
	057
	076
	098
	127
	152
	230

SEB

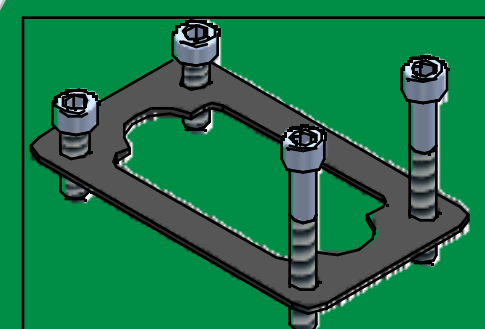
Option 1
cc Gear pump

017	0.16 cc
025	0.24 cc
045	0.45 cc - Standard Version
057	0.56 cc
076	0.75 cc
098	0.92 cc
127	1.26 cc
152	1.48 cc
230	2.28 cc



Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
017	0.16	260	700	9.000
025	0.24	260	700	9.000
045	0.45	280	700	9.000
057	0.56	280	700	9.000
076	0.75	280	700	9.000
098	0.92	280	700	6.000
127	1.26	280	700	6.000
152	1.48	280	700	6.000
230	2.28	210	700	5.000
Peso/Weight		3,3 kg		

KFIL - KFILL - KFILS
Filtro per aspirazione
ordinabile separatamente
Suction filter can be
ordered separately

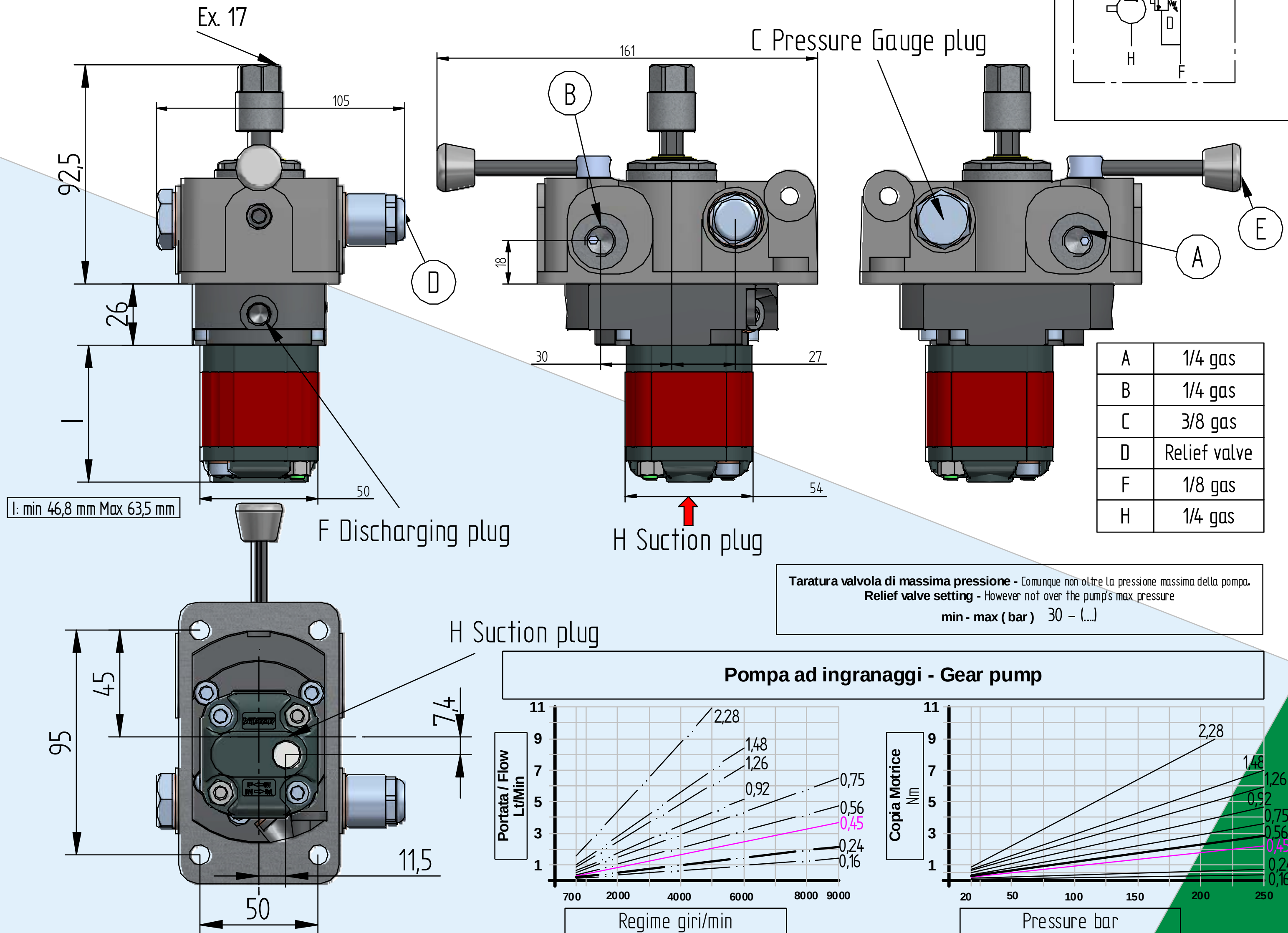
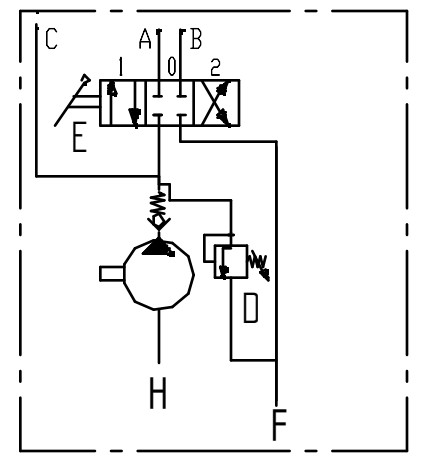


Kit di
montaggio
al serbatoio
-
Mounting
kit to oil
tank

Clockwise rotation
Rotazione oraria

For double acting cylinder
stand alone

For double acting cylinder
Per cilindro a doppio effetto



Codice di ordinazione - Ordering code

ZES

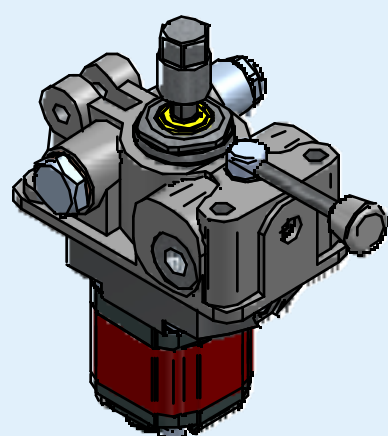
Option 1

DEBP

017
025
045
057
076
098
127
152
230

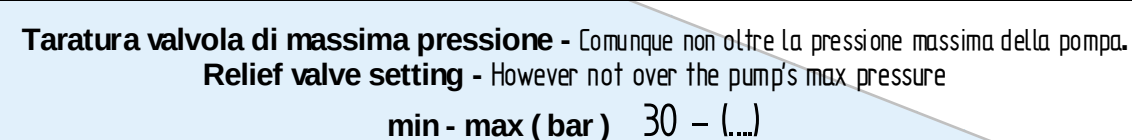
Option 1
cc Gear pump

017	0,16 cc
025	0,24 cc
045	0,45 cc - Standard Version
057	0,56 cc
076	0,75 cc
098	0,92 cc
127	1,26 cc
152	1,48 cc
230	2,28 cc



Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
017	0,16	260	700	9.000
025	0,24	260	700	9.000
045	0,45	280	700	9.000
057	0,56	280	700	9.000
076	0,75	280	700	9.000
098	0,92	280	700	6.000
127	1,26	280	700	6.000
152	1,48	280	700	6.000
230	2,28	210	700	5.000
Peso/Weight		3,3 kg		

*For single acting cylinder
stand alone*



Graph showing the relationship between Coptia Motrice (Nm) and Pressure (bar) for various flow rates (l/min). The graph shows that for a given pressure, the torque increases with the flow rate. The flow rates are 0.16, 0.24, 0.45, 0.56, 0.75, 0.92, 1.26, 1.48, and 2.28 l/min. The torque ranges from 1 to 11 Nm.

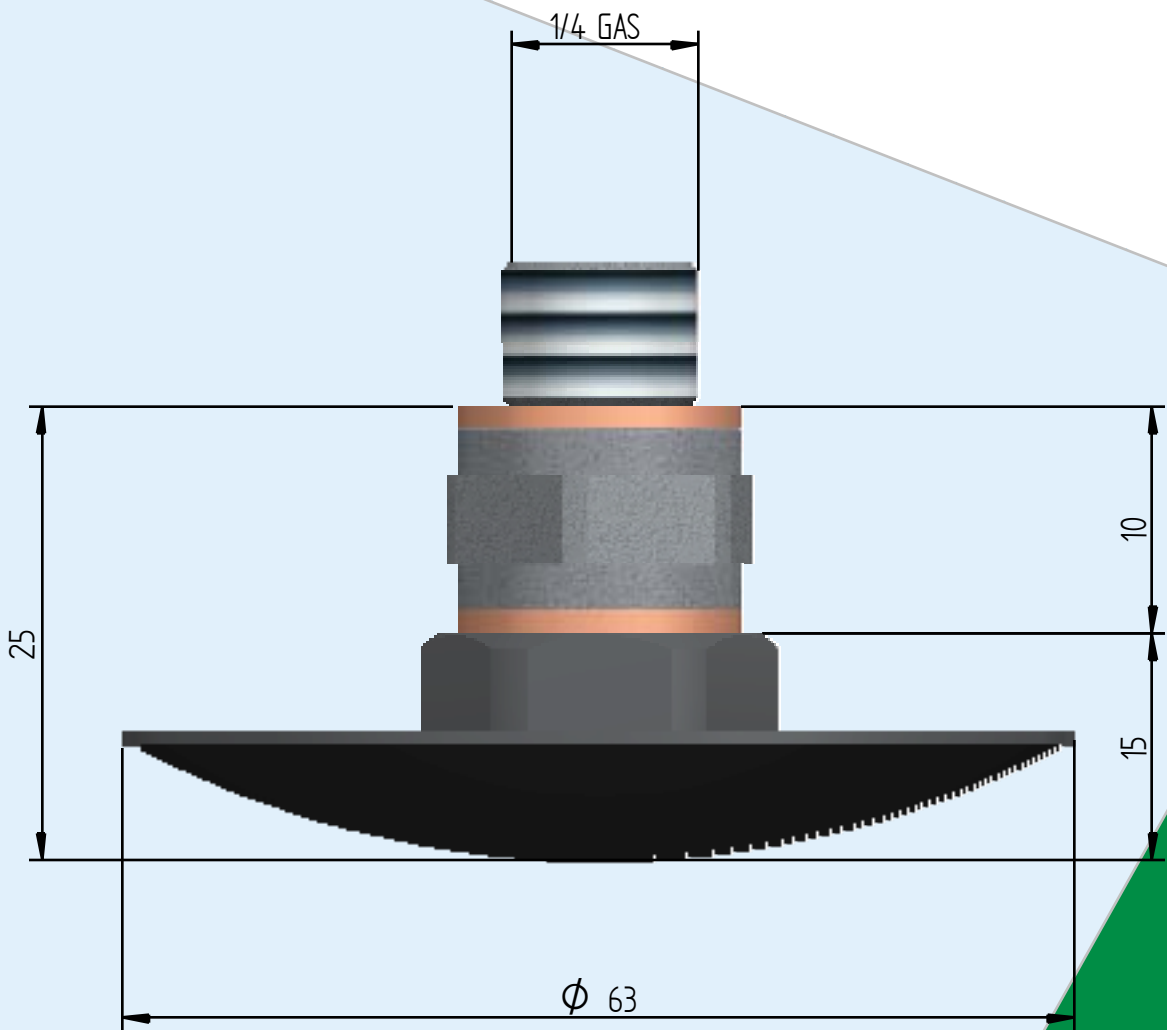
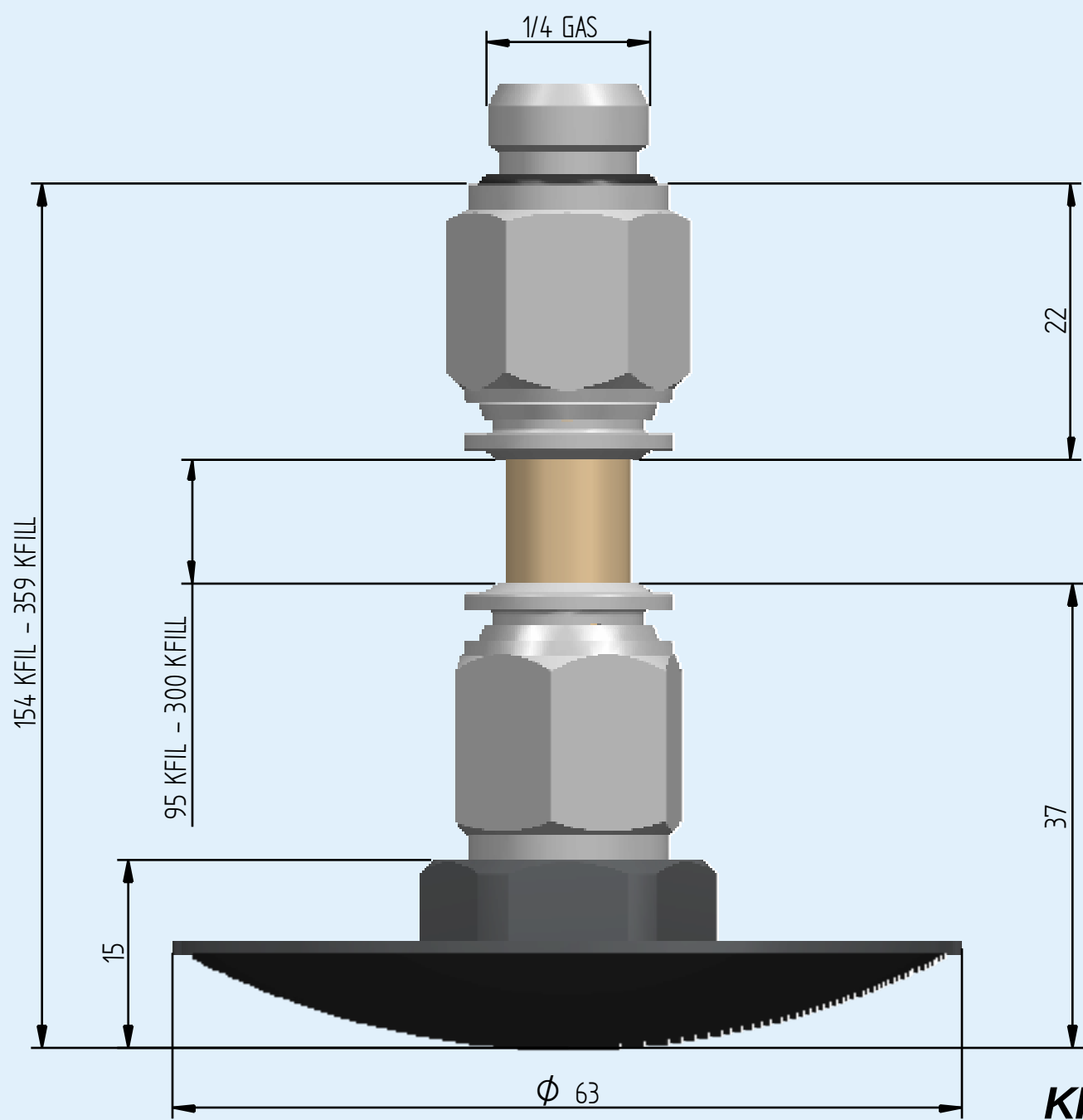
Type	Cilindrata Flow (cc)	Pressione massima Max pressure (bar)	rpm min.	rpm max.
017	0,16	260	700	9.000
025	0,24	260	700	9.000
045	0,45	280	700	9.000
057	0,56	280	700	9.000
076	0,75	280	700	9.000
098	0,92	280	700	6.000
127	1,26	280	700	6.000
152	1,48	280	700	6.000
230	2,28	210	700	5.000
Peso/Weight		33 kg		

Pag. 16

Codice / Code	KFIL	KFILS	KFILL	KRAC
Filtro / Filter (Micron)	90	90	90	520
Superficie filtrante / Filtering surface (mm2)	3000	3000	3000	415
Portata / Flow (Lt/Min)	7	7	7	2,5
Oil tank with measure H (mm) equal or less than 145 mm	NO	OK	NO	OK
Oil tank with measure H (mm) between 146 mm and 249 mm	OK	NO	NO	OK
Oil tank with measure H (mm) equal or more than 250 mm	NO	NO	OK	OK
Mounted with KCHP on oil tank	OK	NO	OK	OK

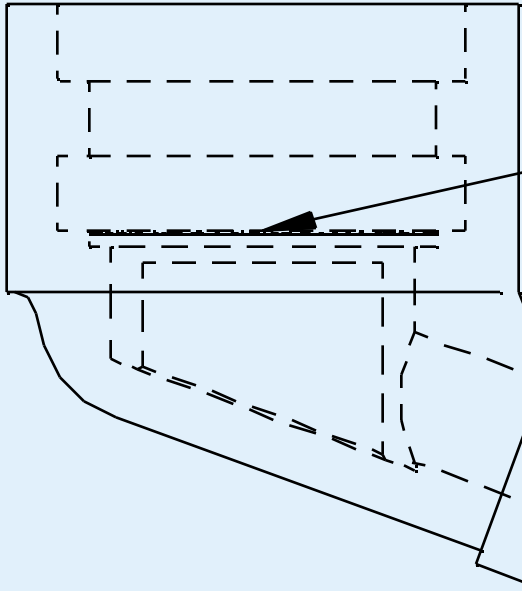
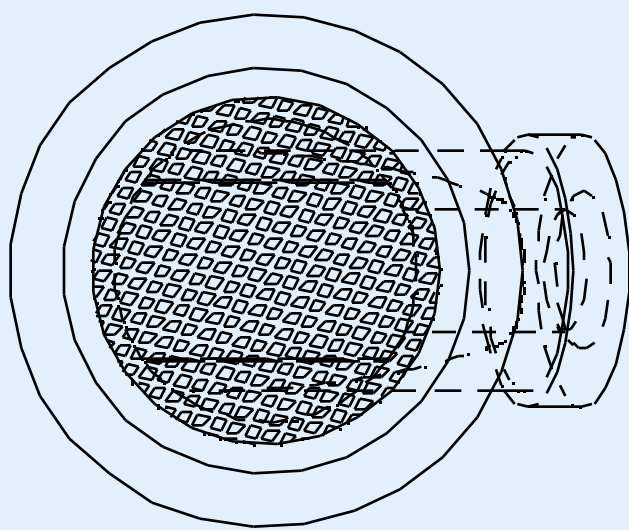
KFIL ~ KFILL

KFILS



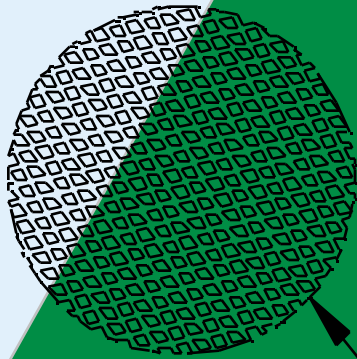
KFIL - KFILL - KFILLS to be used only with 1/4 gas aspiration suction

KRAC



Filter

For pipe d.10 mm



Filter



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