CAMSA technics

CATALOG PRODUSE

1.2

2019 – 2020

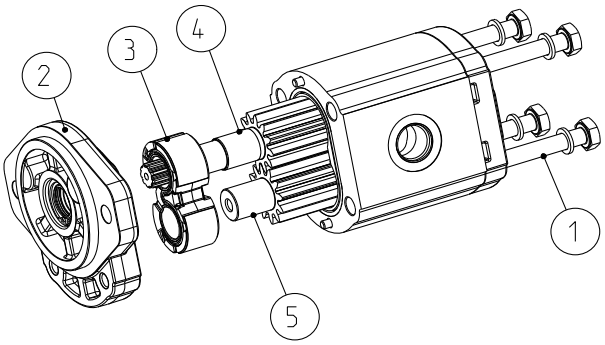
Cuprins

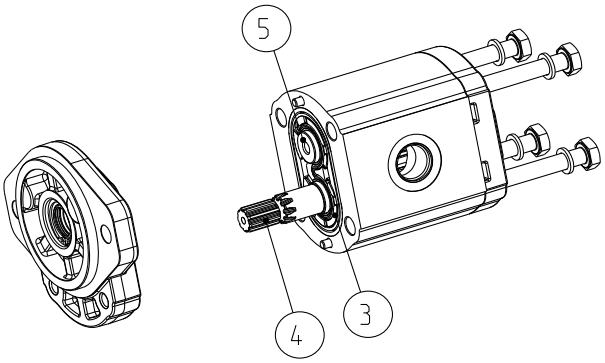
Pompe hidraulice cu roti dintate cu angrenare exterioara

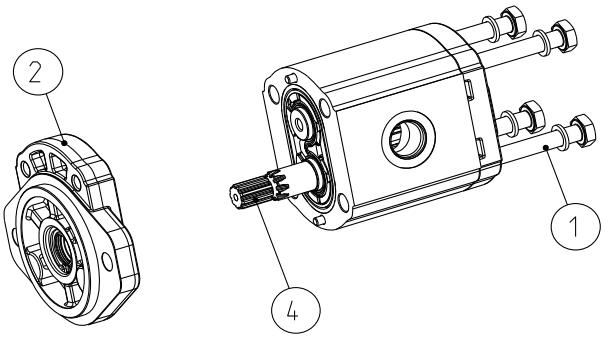
Modificarea sensului de rotatie al pompelor hidraulice cu roti dintate

Pentru schimbarea sensului de rotatie al pompelor hidraulice cu roti dintate trebuie urmata urmatoarea procedura:

a) Se curata cu grija pompa la exterior;
b) Se vor slabi si desface suruburile de fixare (1);
c) Muchiile ascutite ale arborelui de intrare (4) se vor proteja cu banda adeziva pentru a proteja búza semeringului de etansare in timpul procesului de montaj. Se greseaza arborele de intrare pentru a facilita indepartarea semeringului de etansare;
d) Se indeparteaza flansafrontala (2) avand grija ca acesta sa ramana in pozitie verticala. Toate celelalte componente trebuie sa ramana pe pozitie;
e) Miscati usor arborele de intrare (4) pentru a facilita indepartarea suportului frontal (3) avand grija sa nu deteriorati suprafele acestora;
f) Indepartati arborele condus (5). Flansa posterioara trebuie sa ramana pe pozitie;
g) Introduceti arborele condus (5) in locatia ocupata anterior de arborele conductator (4);
h) Introduceti arborele conducator (4) in locatia ocupata anterior de arborele condus (5);
i) Fixati suprtul frontal (3) in pozitia initiala;
j) Curatati flansa frontala (2) si partea frontala a corpului pompei ce vine in contact cu flansa;
k) Rotiti flansa frontala 180° si fixati-o pe pozitie;
l) Insurubati suruburile de fixare (schema de stangere in cruce). Stangerea se va reliza cu o cheie dinamometrica: pentru flansele din fonta 70^{+5} Nm iar pentru cele din aluminiu 45^{+5} Nm;
m) Verificati ca arborele de intrare (4) sa se roteasca usor cu mana. Daca nu se roteste este posibil ca una dintre garniturile flanselor sa fie ciupita;
n) Pompa este gata pentru a fi montata in sistem – avand sensul de rotatie inversat.



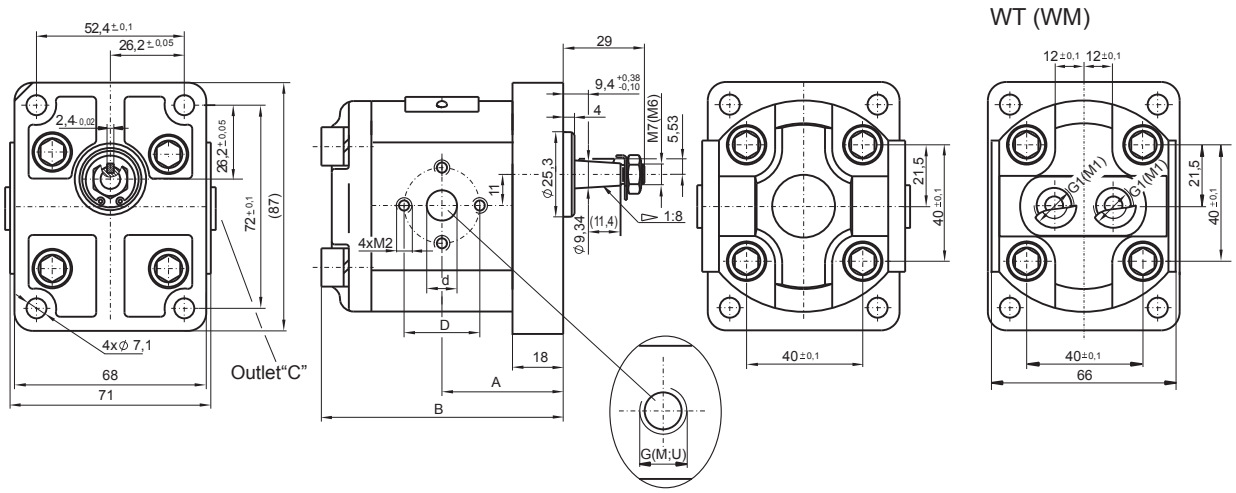




Pompe hidraulice cu roti dintate Grupa 1 - IDT

Caracteristici:

- Vascozitate ulei: recomandata 20 – 60 mm^2/s (adminisbila 6 – 200 mm^2/s)
- Temperatura ulei: recomandata 30 – 50 °C (maxim: -25 - +80 °C)
- Grad de filtrare: 25 µm;
- Presiune absorbtie: 0,8 – 2,2 bar
- Viteza recomandata ulei: absorbtie 0,3 – 1,3 ms/a | evacuare: 2 – 5,5 m/s



Tip	Volum geometric	Presiune max.	Viteza max.	Dimensiuni	
				A	B
	cm^3/rot	bar	rpm	mm	mm
A/C1X....	1	250	3500	39,5	82,3
A/C1,25X....	1,25	250	3500	39,9	83
A/C1,6X....	1,6	250	3500	40,3	84
A/C2X3....	2	250	3500	41,1	85,5
A/C2,5X....	2,5	250	3500	42,1	87,5
A/C3,15X....	3,15	250	3500	43,4	90,4
A/C3,65X....	3,65	250	3500	44,4	92,4
A/C4,2X....	4,2	250	3000	45,5	94,5
A/C5,1X....	5,1	250	3000	47,1	97,5
A/C5,7X....	5,7	200	2500	48,5	100,5

Tip	Volum geometric	Presiune max.	Viteza max.	Dimensiuni	
				A	B
	cm^3/rot	bar	rpm	mm	mm
A/C6,1X....	6,1	200	2500	49,4	102,2
A/C7X....	7	180	2000	51,2	106

Tip	Racord absorbtie								Racord evacuare							
	D	d	M2	M	G	U	G1	M1	D	d	M1	M	G	U	G1	M1
A/C1X....	Ø30	Ø12	M6	M16x1,5	G3/8"	3/4"-16UNF-2B	G 3/8"	M16 x 1,5	Ø30	Ø12	M6	M16x1,5	G3/8"	9/16"-18UNF-2B	G 1/4"	M14 x 1,5
A/C1,25X....	Ø30	Ø12	M6	M16x1,5	G3/8"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C1,6X....	Ø30	Ø12	M6	M16x1,5	G3/8"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C2X3....	Ø30	Ø12	M6	M16x1,5	G3/8"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C2,5X....	Ø30	Ø12	M6	M16x1,5	G3/8"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C3,15X....	Ø30	Ø12	M6	M20x1,5	G1/2"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C3,65X....	Ø30	Ø12	M6	M20x1,5	G1/2"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C4,2X....	Ø30	Ø12	M6	M20x1,5	G1/2"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C5,1X....	Ø30	Ø12	M6	M20x1,5	G1/2"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C5,7X....	Ø30	Ø12	M6	M20x1,5	G1/2"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C6,1X....	Ø30	Ø12	M6	M20x1,5	G1/2"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C7X....	Ø30	Ø12	M6	M20x1,5	G1/2"				Ø30	Ø12	M6	M16x1,5	G3/8"			
A/C1X....	Ø30	Ø12	M6	M20x1,5	G1/2"				Ø30	Ø12	M6	M16x1,5	G3/8"			

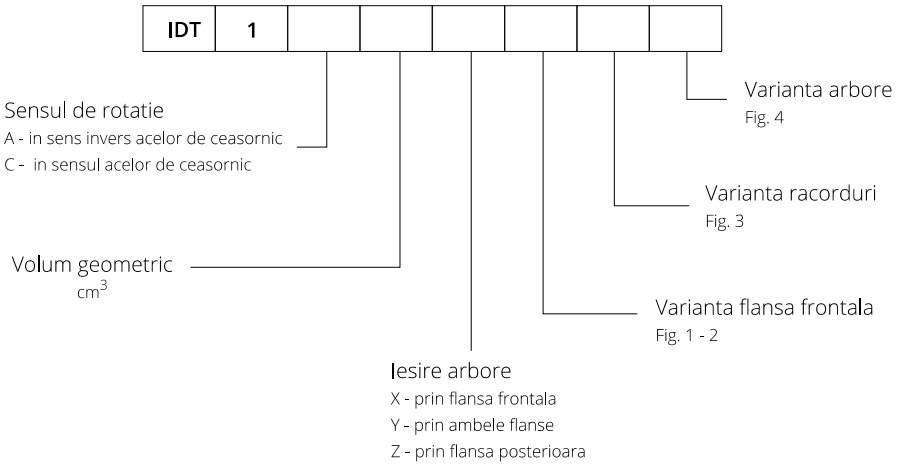


Figura 1: Variante de flansa frontala

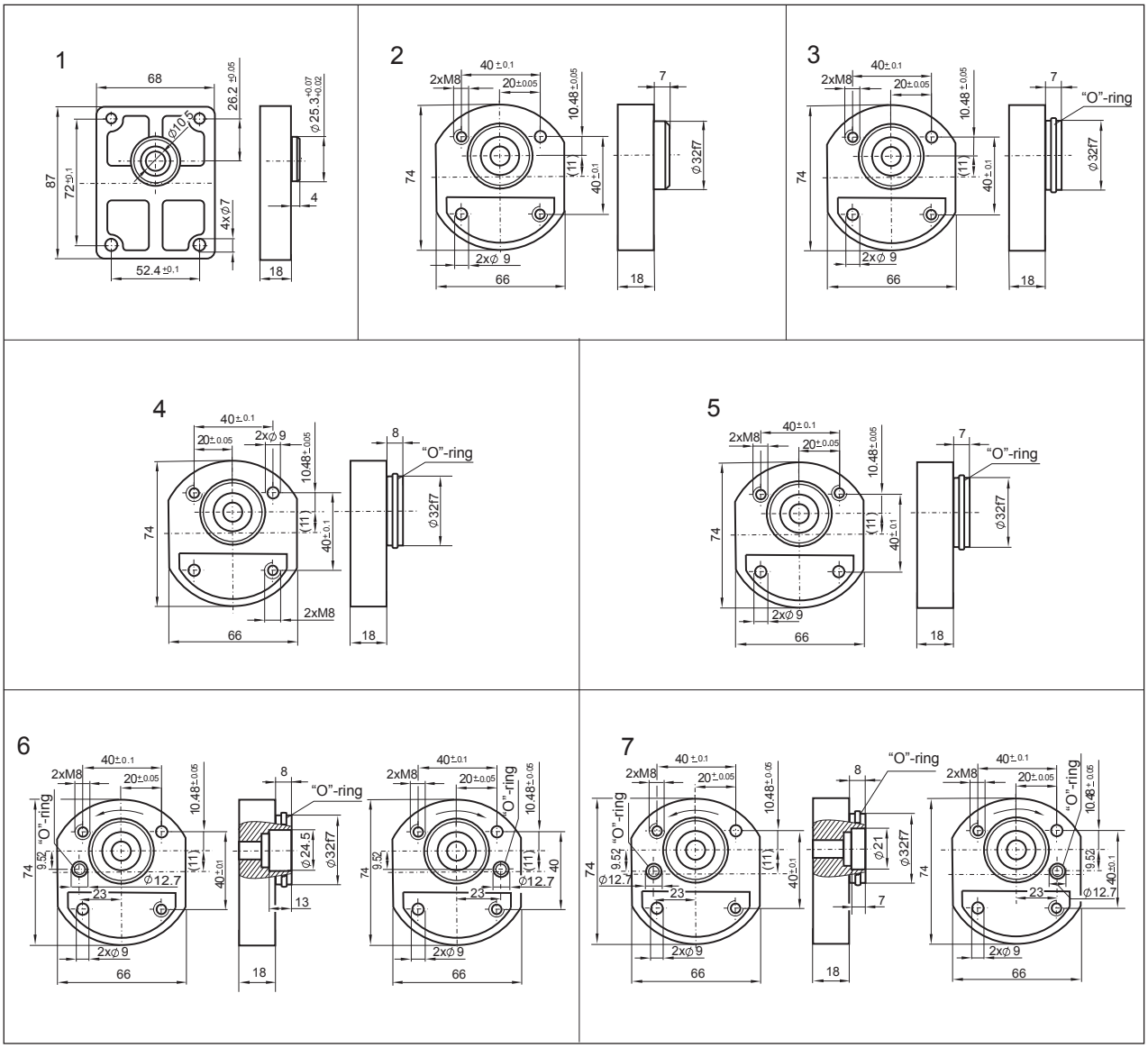


Figura 2: Variante de flansa frontala

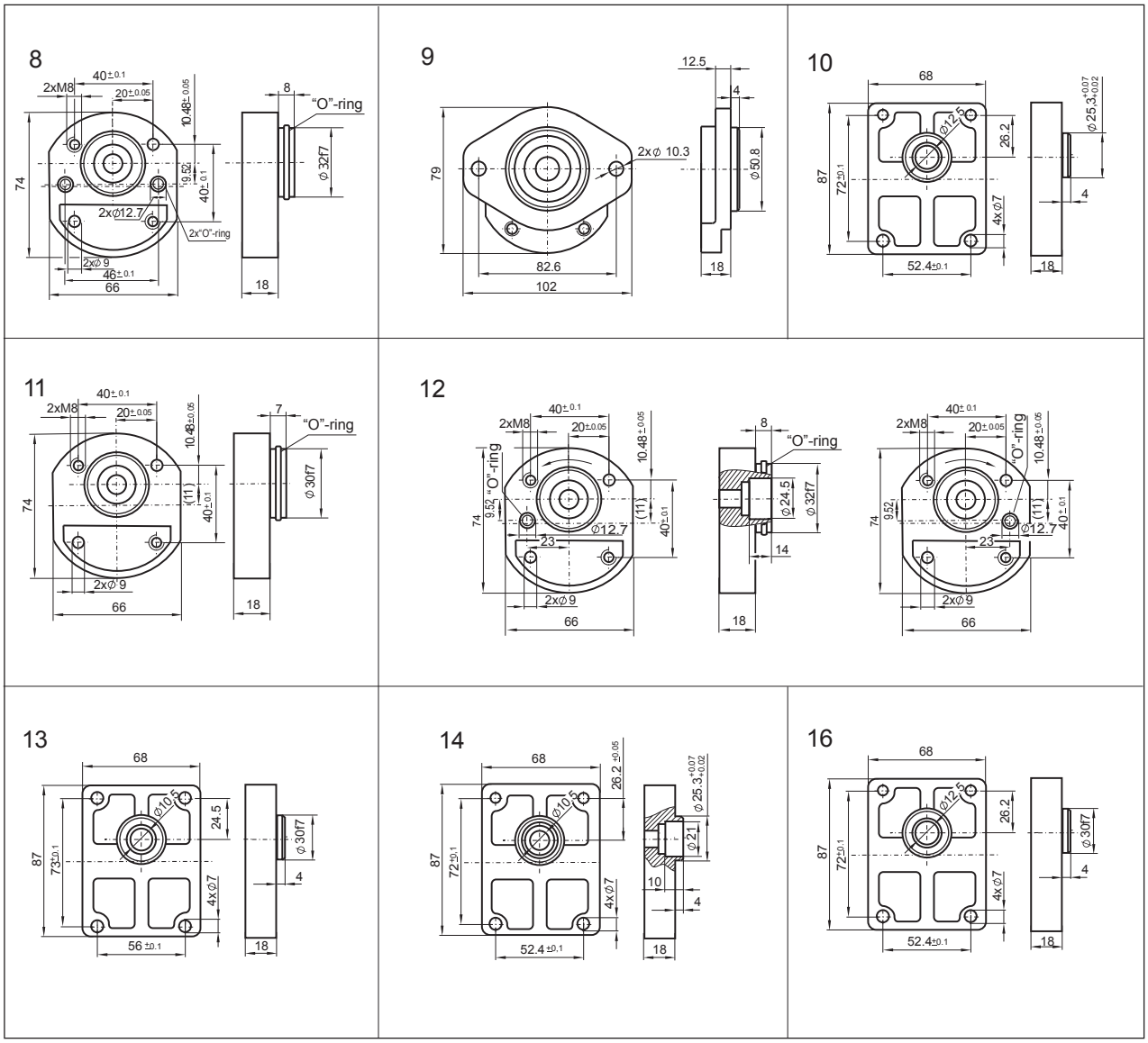


Figura 3: Variante racorduri

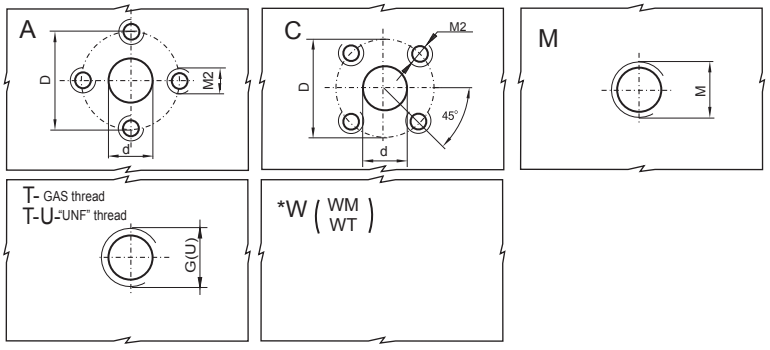
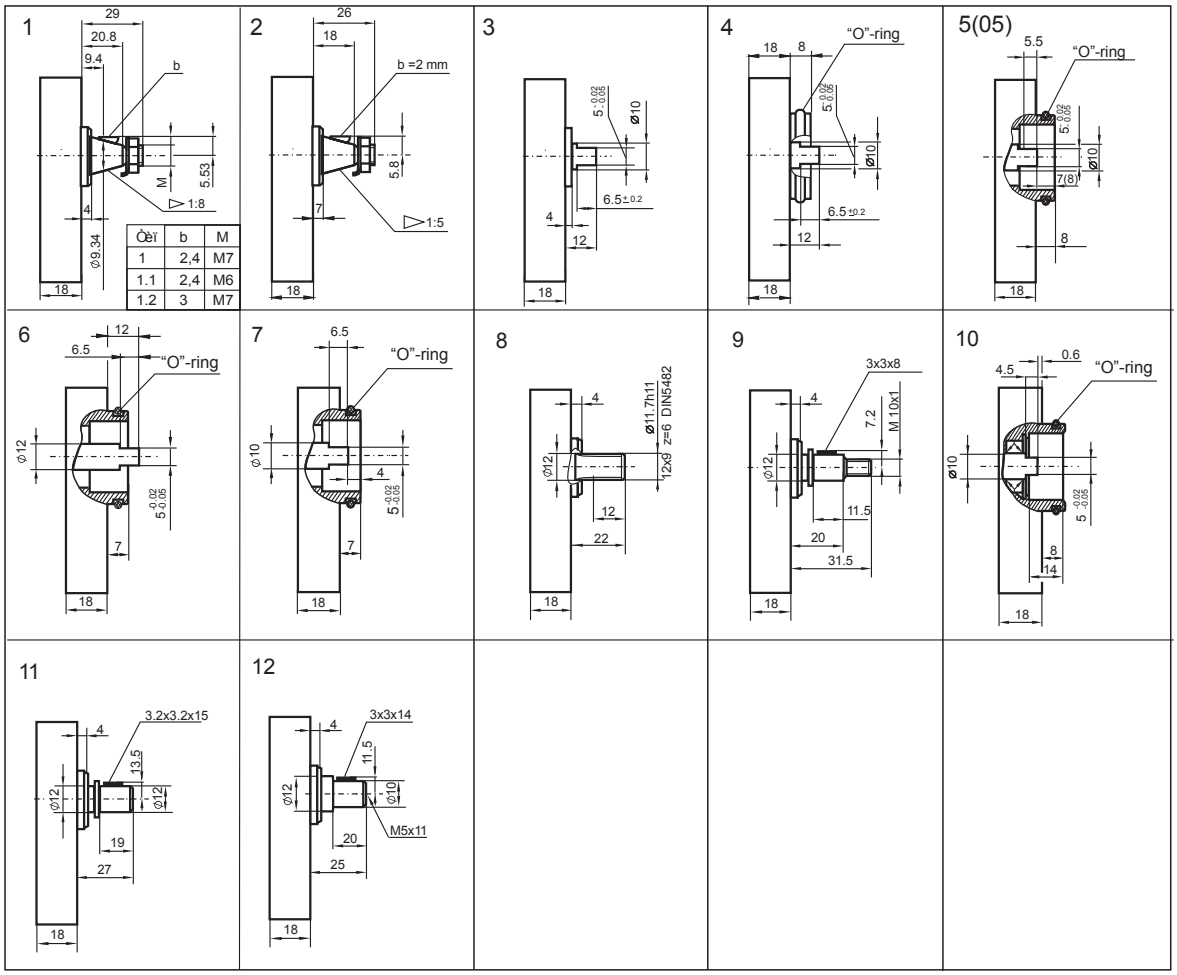
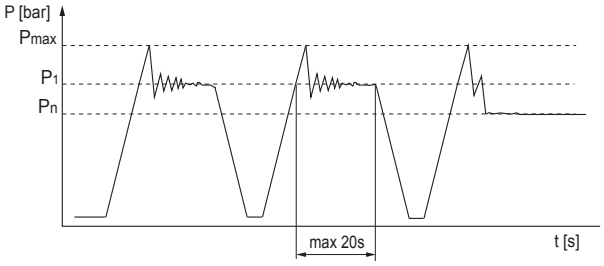


Figura 4: Variante arbori

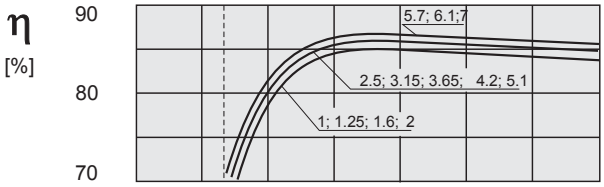


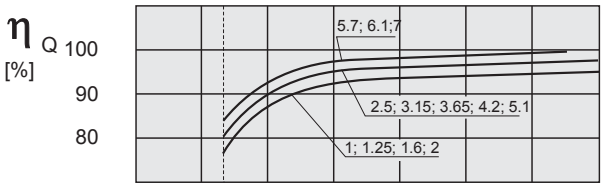
Òèï	b	M
1	2,4	M7
1.1	2,4	M6
1.2	3	M7

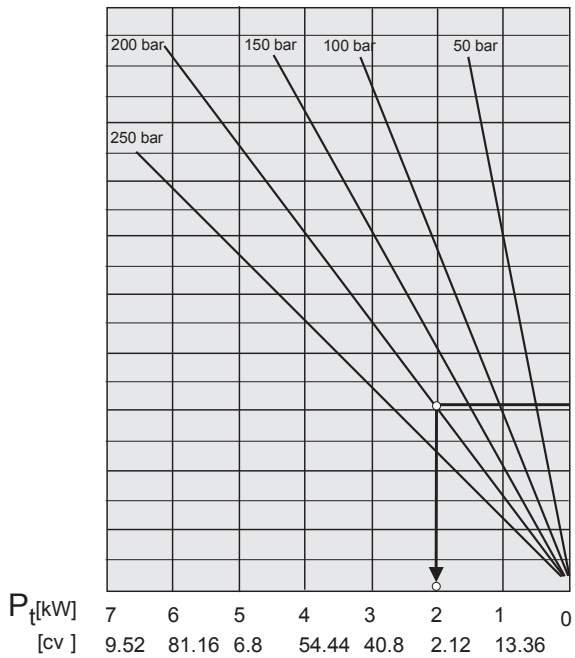


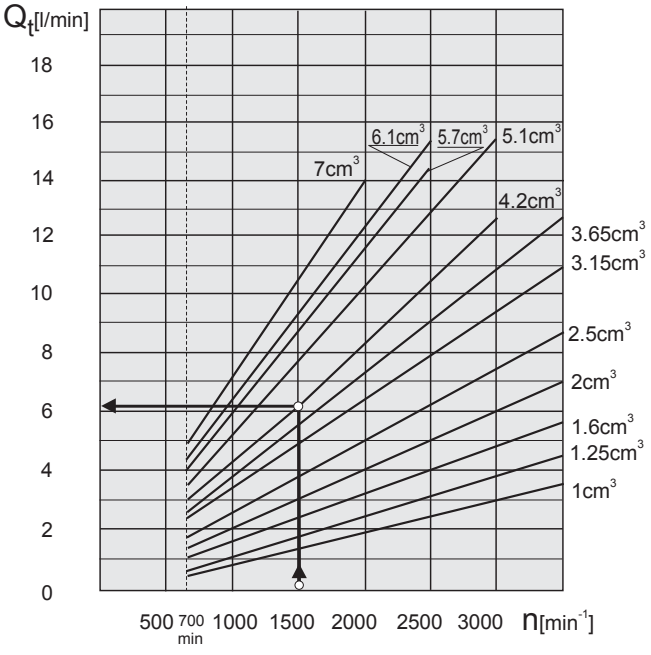
Pmax – presiunea maxima (de varf)
P1 = Pn + 10 bar – presiune de lucru in regim intermitent
P2 = Presiune nominala (de lucru in regim continuu)

η – randament total
η_Q – randament volumetric
Q_t – debit teoretic
P_t – putere teoretica







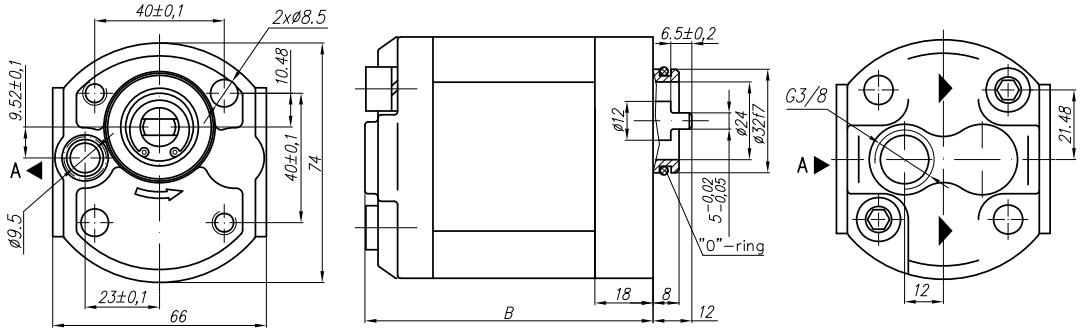


Pompe hidraulice cu roti dintate Grupa 1

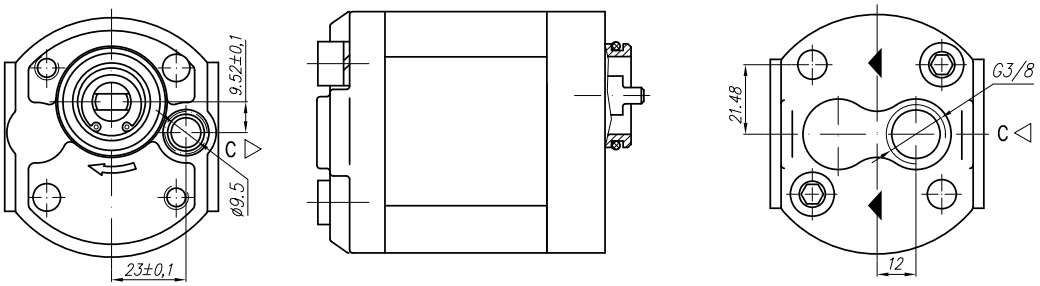
Caracteristici:

- Flansa de prindere: standard 40 x 40 mm, diametru de centrare Ø 32 mm
- Arbore: standard Ø 12 mm
- Tip: pompa cu roti dintate cu angrenare exterioara
- Sens rotatie: dreapta / stanga

Rotation "A" - (anticlockwise)



Rotation "C" - (clockwise)



Tip	Volum geometric	Debit max.	Presiune	Viteza maxima	Dimensiuni							
					A	B	Intrare			Iesire		
	cm^3/rot	l/min.	bar	rpm	mm	mm	M	G	u			
A/C1X302	1	3,26	250	3500	71	81						
A/C1,25X302	1,25	4,07	250	3500	72	82						
C1,6X302	1,6	5,21	250	3500	73,6	83,6						

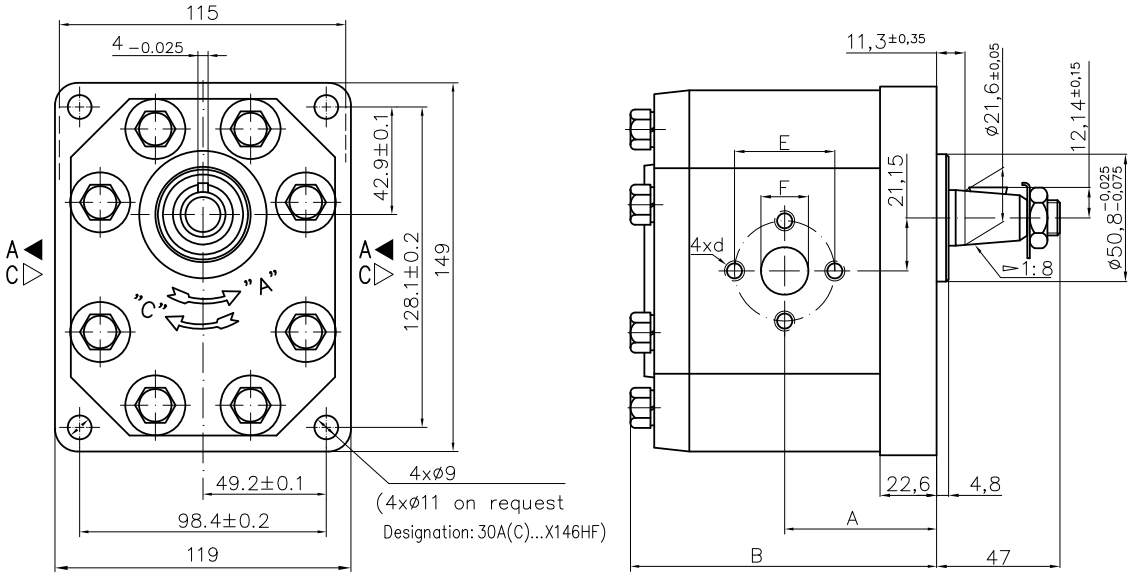
Tip	Volum geometric	Debit max.	Presiune	Viteza maxima	Dimensiuni							
					A	B	Intrare			Iesire		
	cm^3/rot	l/min.	bar	rpm	mm	mm	M	G	u			
C2X302	2	6,58	250	3500	75,2	85,2						
C2,5X302	2,5	8,23	250	3500	77,2	87,2						
C3,15X302	3,15	10,36	250	3500	79,8	89,8						
C3,65X302	3,65	12,1	250	3500	81,9	91,9						
C4,2X302	4,2	13,82	250	3500	84,1	94,1						
C5X302	5	14,10	250	3000	87,2	97,2						
C5,7X302	5,7	16,25	200	3000	90,1	100,1						
A/C6,1X302	6,1	14,49	180	2500	91,8	101,8						
A/C7,4X302	7,4	17,58	180	2500	97,2	107,2						
A/C8,5X302	8,5	16,15	150	2000	101,7	111,7						
A/C9,8X302	9,8	18,62	120	2000	107	117						

G 3/8" - A

Pompe hidraulice cu roti dintate grupa 2 – CX6

Caracteristici:

- Flansa de prindere: standard european Gr. 2 (96 x 71 mm), Ø 36,5 mm
- Arbore: standard european con 1:8 (M12)
- Tip: pompa cu roti dintate cu angrenare exterioara
- Sens rotatie: dreapta / stanga



Tabel 1: Specificatii pompe cu roti dintate Grupa 2

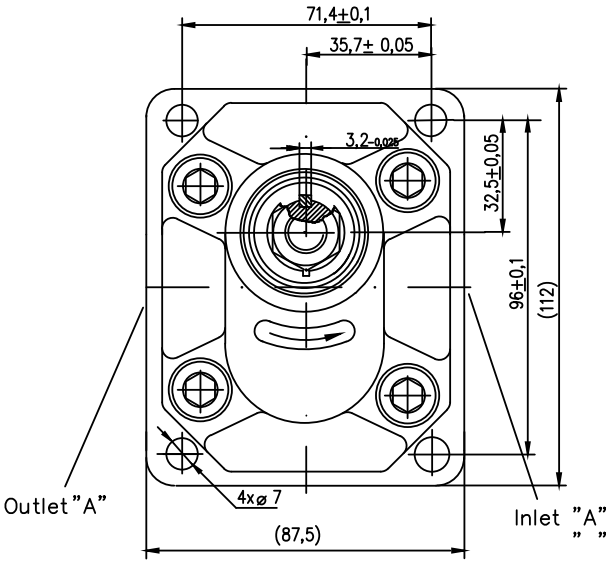
Tip	Volum geometric	Debit max.	Presiune	Viteza maxima	Dimensiuni							
					A	B	Intrare			Iesire		
	cm^3/rot	l/min.	bar	rpm	mm	mm	E	d	F	E	d	F
C4,5X006	4,5	14,33	250	3500	42,5	80	30,2	13,1	M6-6H	30,2	13,1	M6-6H
C6,3X006	6,3	20,29	250	3500	42,5	80						
C8,2X006	8,2	26,40	250	3500	42,5	80						
C10X006	10	32,55	250	3500	47	89	39,7	19	M8-6H		14,2	
C11X006	11,3	36,78	250	3500	48	91,1						
C12X006	12	39,48	250	3500	48,6	92,3						
C14X006	14	46,55	250	3500	50	95,4						

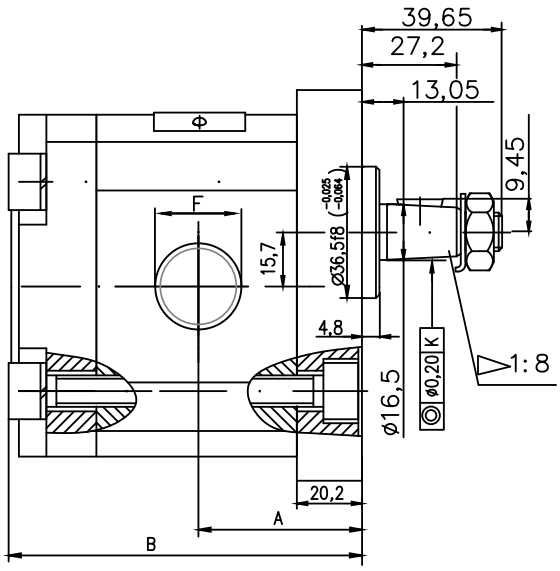
Tip	Volum geometric	Debit max.	Presiune	Viteza maxima	Dimensiuni							
					A	B	Intrare			Iesire		
	cm^3/rot	l/min.	bar	rpm	mm	mm	E	d	F	E	d	F
C15X006	15	36,00	250	2500	51	96,9						
C16X006	16	38,40	250	2500	52	98,6						
C19X006	19	45,60	200	2500	54	103,5						
C22X006 C22X006H	22	42,24 52,80	180	2000 2500	57 61,9	108,5 118,8						
C25X006 C25X006H	25	48,00 67,20	160	2000 2500	59,2 64,3	113,4 123,7				39,7	19	M8

Pompe hidraulice cu roti dintate – 2CX2T1

Caracteristici:

- Flansa de prindere: standard european Gr. 2 (96 x 71 mm), Ø 36,5 mm
- Arbore: standard european con 1:8 (M12)
- Tip: pompa cu roti dintate cu angrenare exterioara
- Sens rotatie: dreapta / stanga





Tabel 2: Specificatii pompe cu roti dintate Grupa 2

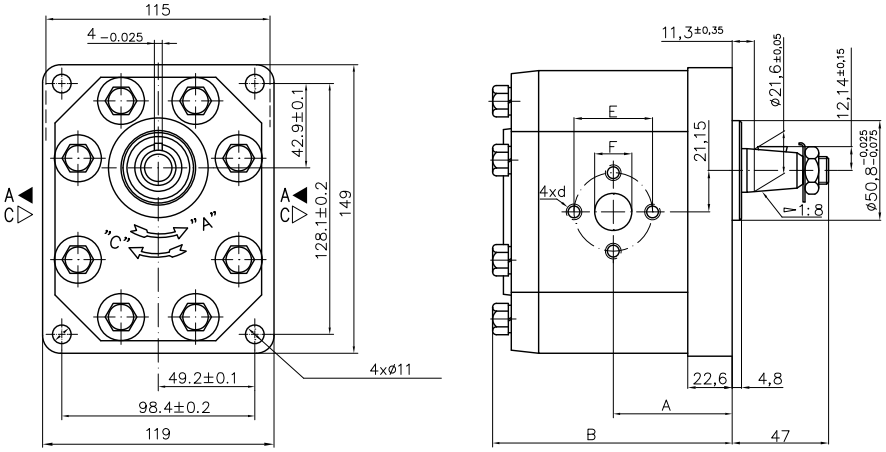
Tip	Volum geometric	Debit max.	Presiune	Viteza maxima	Dimensiuni			
					A	B	Absorbtie	Evacuare
	cm^3/rot	l/min.	bar	rpm	mm	mm	F	F
2C4X2T1	4	14	250	3500	43,7	92,2	G 1/2"	G 1/2"
2C5X2T1	5	17,5	250	3500	44,5	93,7	G 1/2"	G 1/2"
2C6X2T1	6	21	250	3500	45,2	95,2	G 1/2"	G 1/2"
2C9X2T1	9	31,5	250	3500	47,2	99,2	G 1/2"	G 1/2"
2C10X2T1	10	35	250	3500	48,2	101,2	G 3/4"	G 1/2"
2C11X2T1	11	38,5	250	3500	49,2	103,2	G 3/4"	G 1/2"
2C12X2T1	12	42	250	3500	50,2	105,2	G 3/4"	G 1/2"

Tip	Volum geometric	Debit max.	Presiune	Viteza maxima	Dimensiuni			
					A	B	Absorbtie	Evacuare
	cm^3/rot	l/min.	bar	rpm	mm	mm	F	F
2C14X2T1	14	49	250	3500	52,2	109,2	G 3/4″	G 1/2″
2C15X2T1	15	45	250	3000	53	110,7	G 3/4″	G 1/2″
2C16X2T1	16	48	250	3000	53,7	112,2	G 3/4″	G 1/2″
2C17X2T1	17	51	250	3000	54,2	113,2	G 3/4″	G 1/2″
2C19X2T1	19	47,5	200	2500	56,2	117,2	G 3/4″	G 1/2″
2C22X2T1	22	55	200	2500	59,2	123,2	G 3/4″	G 1/2″
2C25X2T1	25	50	160	2000	61	126,7	G 3/4″	G 1/2″
2C26X2T1	26	52	160	2000	61,7	128,2	G 3/4″	G 1/2″

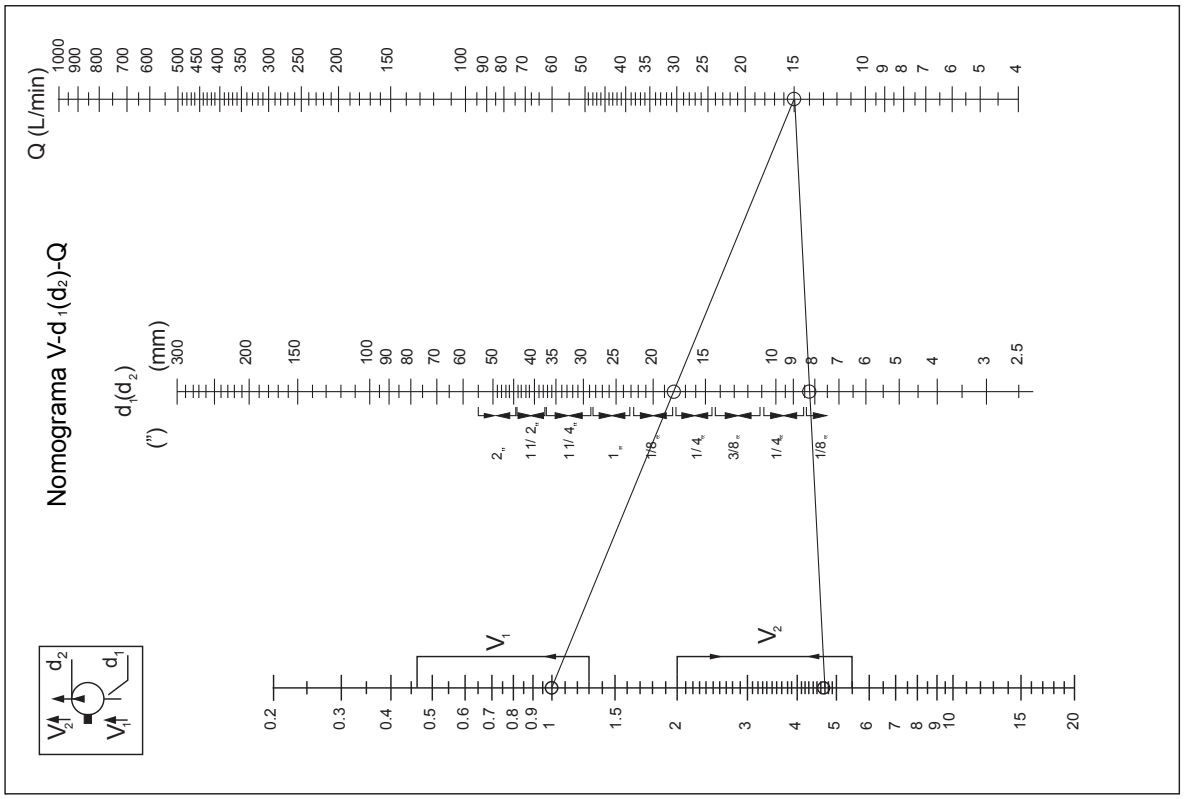
Pompe hidraulice cu roti dintate Grupa 3

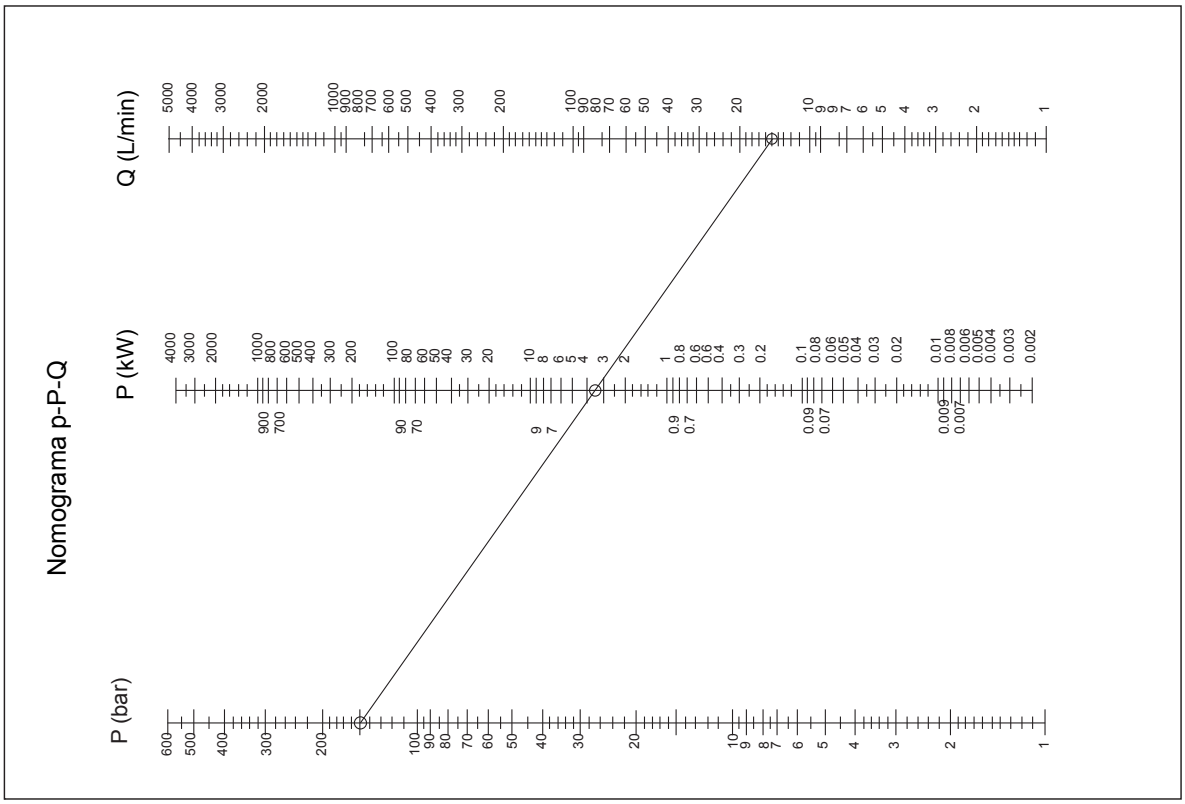
Caracteristici:

- Flansa de prindere: standard european Gr. 3 (128 x 98 mm), Ø 50,8 mm
- Arbore: standard european con 1:8 (M14)
- Tip: pompa cu roti dintate cu angrenare exterioara
- Sens rotatie: dreapta

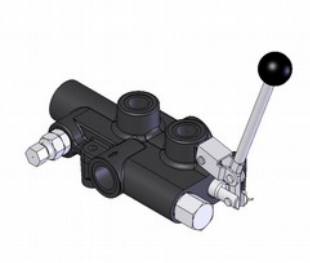


Tip	Volum geometric	Debit max.	Presiune	Viteza maxima	Dimensiuni							
					A	B	Intrare			Iesire		
	cm^3/rot	l/min.	bar	rpm	mm	mm	E	d	F	E	d	F
C20X146	20	56,4	250	3000	56,1	116,7	40	M8	19	40	M8	19
C22.2X146	22,5	63,5	250	3000	57,6	119,7						
C25X146	25	70,5	250	3000	58,3	121,1						
C28X146	28	79	250	3000	60,2	124,7						
C32X146	32	90,2	250	3000	66,5	137,3	51	M10	27			
C36X146	36	95,8	250	2800	68,0	140,5						
C42X146	42	99,8	230	2500	70,8	146,1						
C46X146	46	100,5	230	2300	72,7	149,8						
C50X146	50	99,8	200	2100	74,5	153,4						
C55X146	55	91,4	200	1750	76,7	157,9						
C60X146	60	99,8	180	1750	78,7	162,4						


Nomograma V-d 1(d2)-Q
Q (L/min)
d1(d2)
(")
(mm)
V1
V2
d2
d1


Nomograma p-P-Q
Q (L/min)
P (kW)
P (bar)

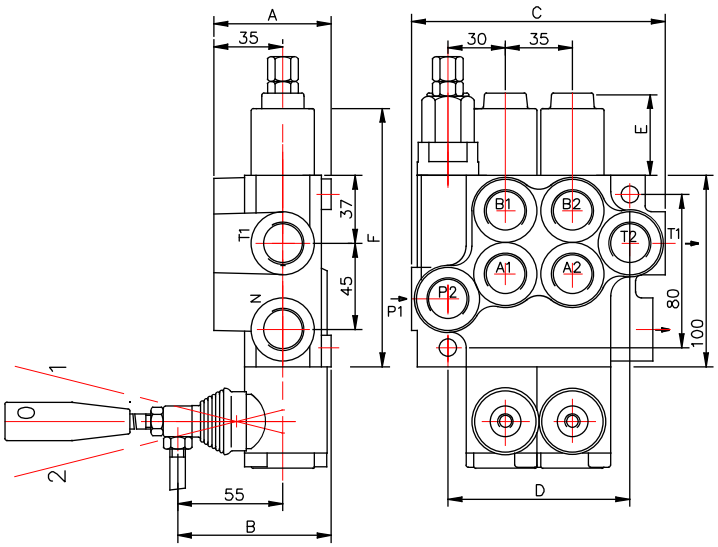
Distribuitoare hidraulice actionate manual

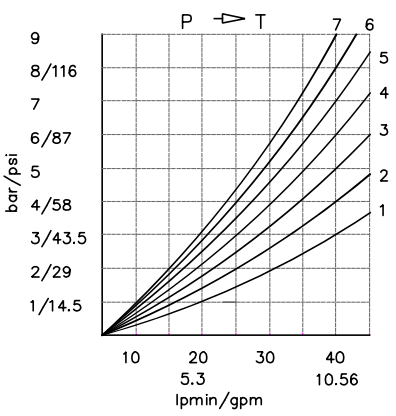


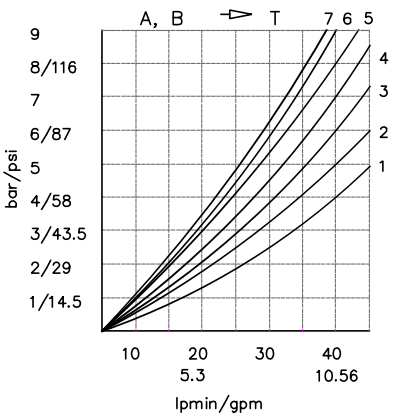
Distribuitor hidraulic monobloc P40

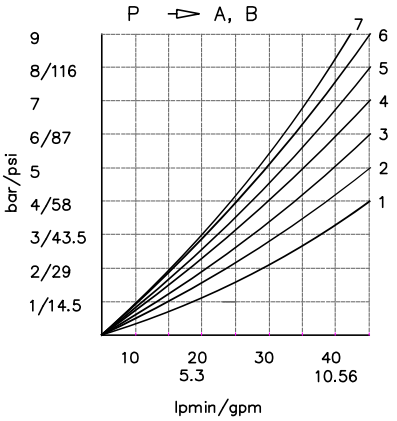
Caracteristici:

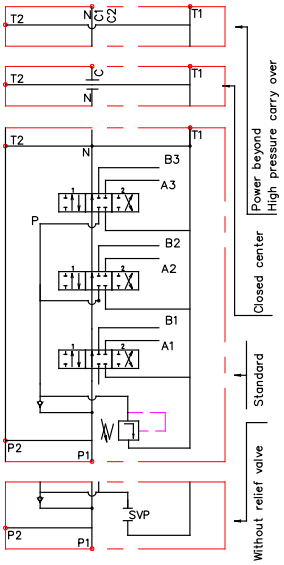
- Debit nominal: 40 l/min;
- Fluid: uleuri minerale sau sintetice cu vascozitate 12 – 800 mm^2/s;
- Domeniu temperaturi de lucru: - 40 ...+ 60 °C;
- Temperatura fluid: - 20 ...+80 °C;
- Presiuni maxime: P = 250 bar; A,B = 300 bar; T < 50 bar;
- Cursa sertar: ± 6 mm;
- Nivel contaminare fluid: 10 conform NAS1638
- Scurgeri interne: 7 cm^3/min la 100 bar
- Forta actionare levier: < 200 N

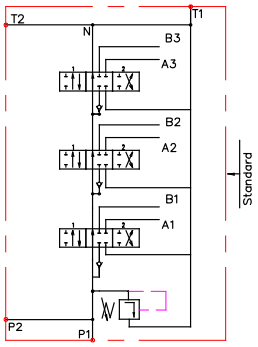












cod	tip sertar
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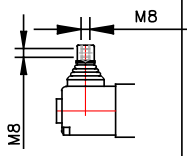
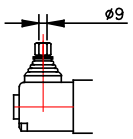
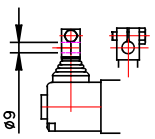
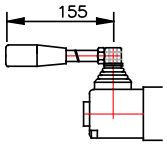
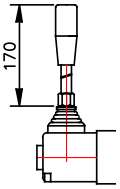
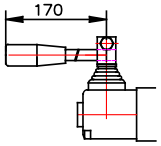
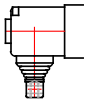
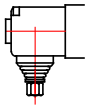
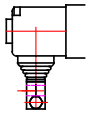
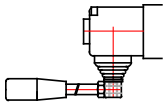
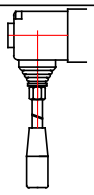
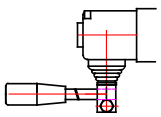
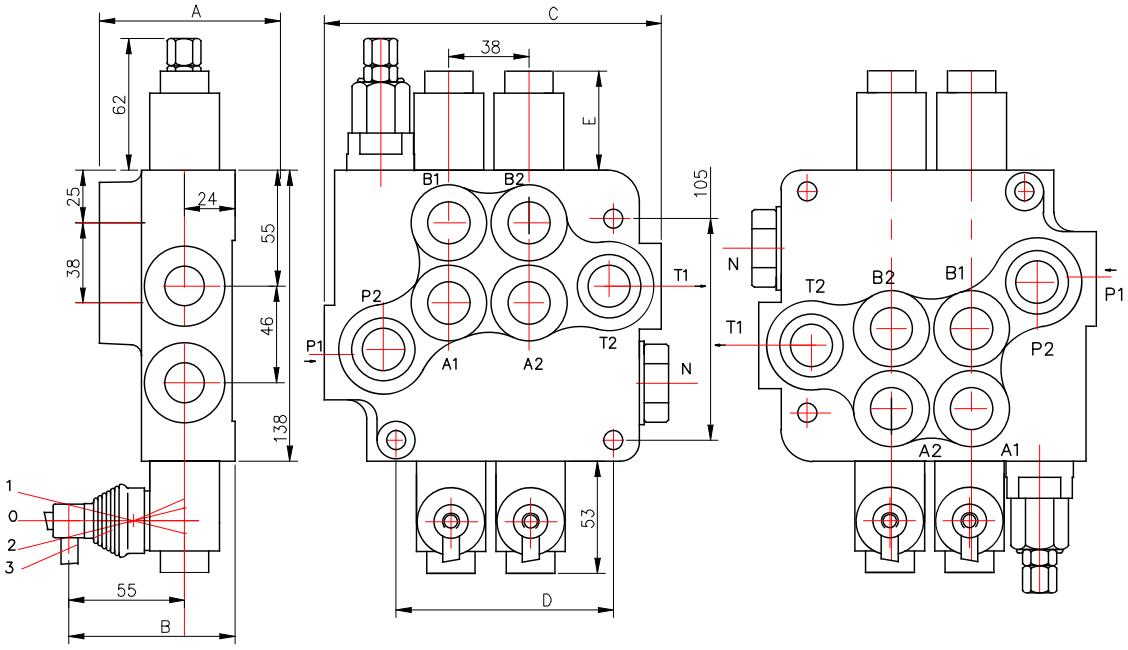
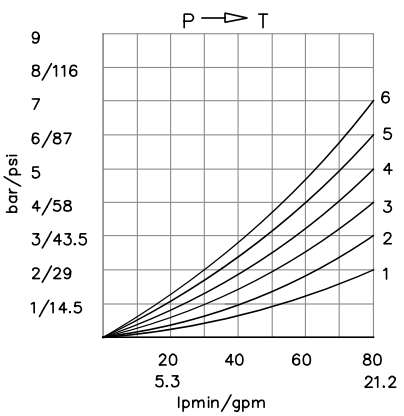
code	feature	code	feature	code	feature
KZ		KY		KI	
KZ1		KY1		KI1	
KZ0		KY0		KI0	
KZ01		KY01		KI01	
_	without hand control ;				

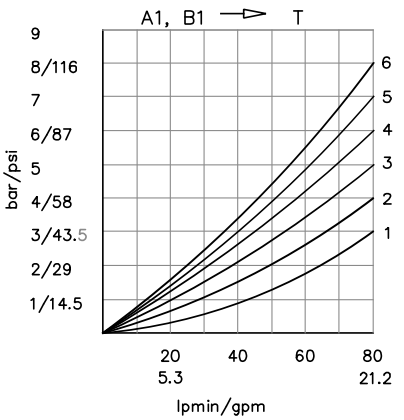
Distribuitor hidraulic monobloc P80

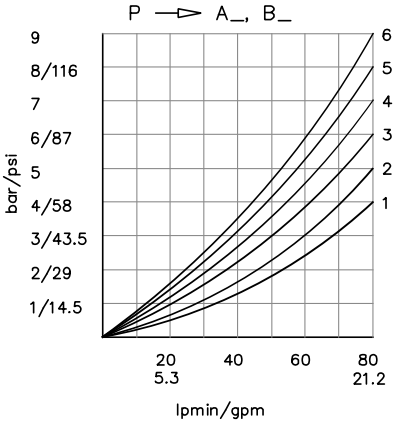
Caracteristici:

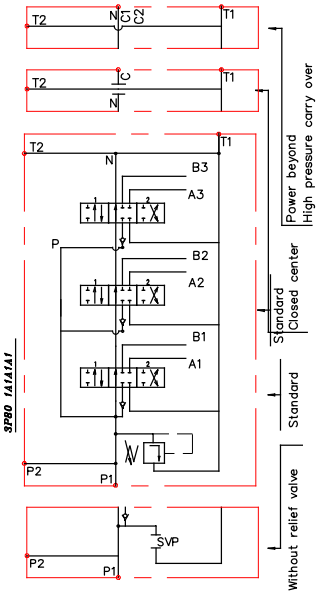
- Debit maxim: 80 l/min
- Temperatura fluid: -15°C – +80 °C; temperatura mediu: -40°C – +60 °C
- Tip fluid: ulei mineral, domeniu de vascozitate: 20 – 100 mm^2/s
- Presiune de lucru: P ≤ 250 bar; A,B ≤ 300 bar; T ≤ 50 bar

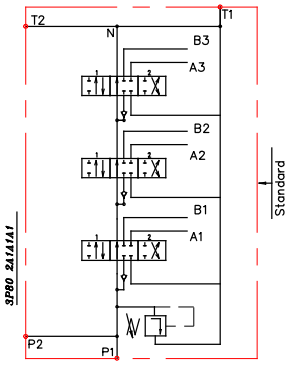












cod	tip sertar
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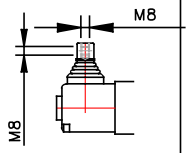
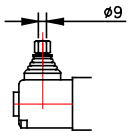
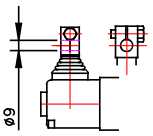
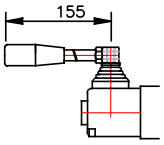
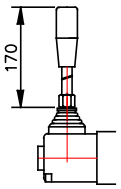
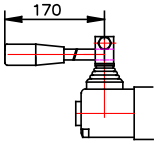
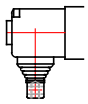
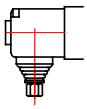
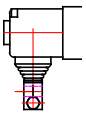
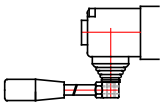
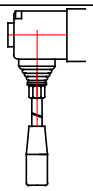
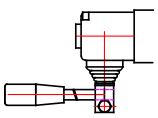
T	
L	

cod	tip control
1	1 0 2
2	1 0 2
3	1 0 2
4	0 2
5	1 0
6	1 2
7	1 2
8	1 0 2
9	1 0
10	0 2
11	1 2
12	1 0 2 3
13	1 0 2 3

code	feature	code	feature	code	feature
KZ		KY		KI	
KZ1		KY1		KI1	
KZ0		KY0		KI0	
KZ01		KY01		KI01	
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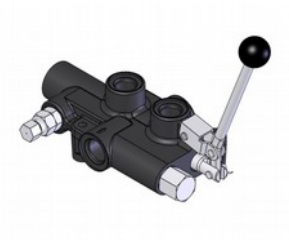
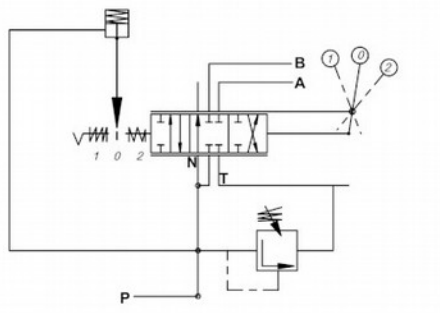


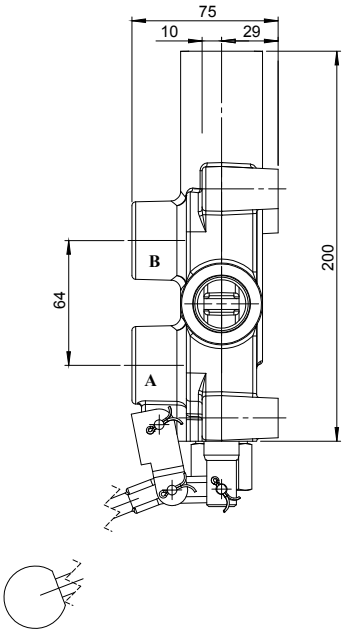
Distribuitor hidraulic despicator lemn de foc

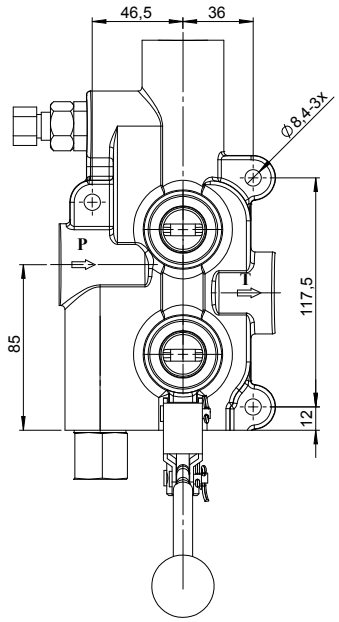
Caracteristici:

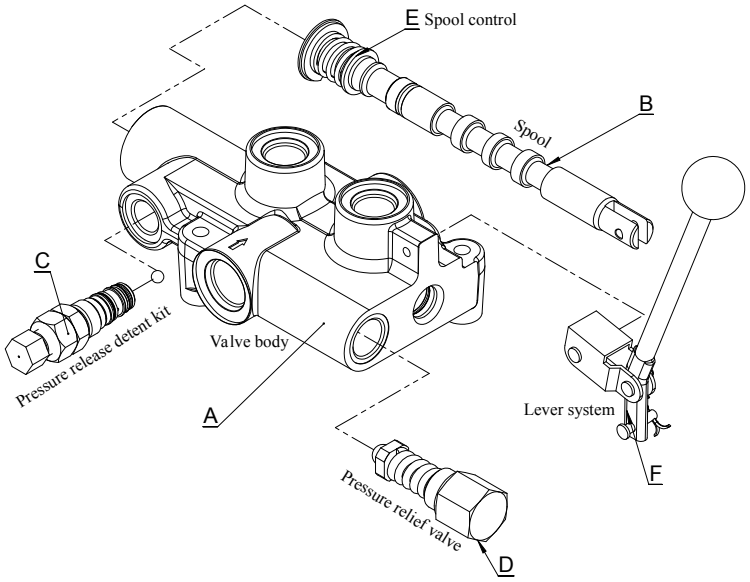
- Debit nominal: 80 l/min;
- Fluid: uleuri minerale sau sintetice cu vascozitate 15 – 75 mm^2/s;
- Domeniu temperaturi de lucru: - 40 ...+ 60 °C;
- Temperatura fluid: - 20 ...+80 °C;
- Presiuni maxime: P = 250 bar; A,B = 300 bar; T < 10 bar;
- Cursa sertar: 7,9 mm;

Supapa monobloc directionala conceputa pentru controlul despicatoarelor de lemn de foc. Este prevauta cu arc de centrare de o parte si sistem de revenire in 0 controlata pe baza de presiune. Revine automat in pozitia neutru atunci cand cilindrul a ajuns la capat de cursa. Este echipata cu supapa regulatoare de presiune reglata din fabrica la 150 bar. Schimbarea presiunii de lucru din sistem se realizeaza prin reglarea surubului supapei regulatoare de presiune.
Siatemul de control al revenirii in pozitie neutra la capat de cursa este reglat la o presiune de 70 bar si poate fi reglat in domeniul 70 – 140 bar.

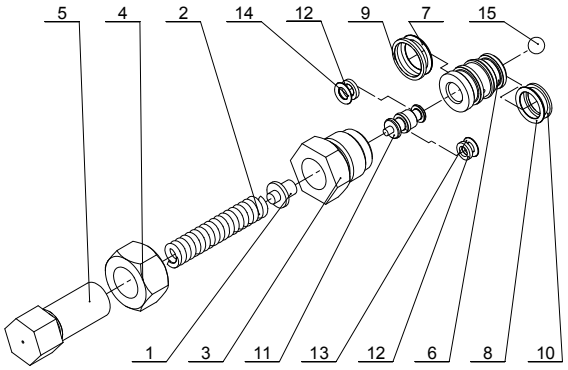






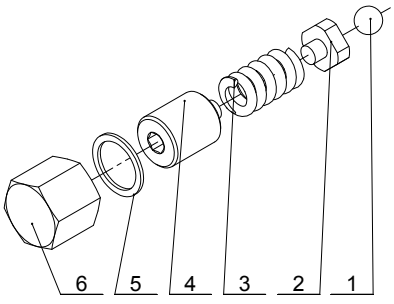


A – Corp distribuitor
B - Sertar
C – Supapa revenire in „0”
D – Supapa regulatoare de presiune
E – Element control miscari sertar
F – Maneta actionare

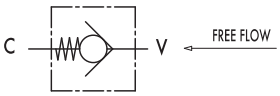


Reglarea presiunii de eliberare sertar la capatul cursei pistonului se face prin eliberarea pilitei de blocare (15) si a surubului surubului (5). Prin rotirea surubului in sensul acelor de ceasornic se va mari presiunea de deblocare iar prin rotirea surubului in sens invers acelor de ceasornic se va micsora presiunea de deblocare. Domeniul de reglaj este: 70 – 140 bar.

Reglarea supapei regulatoare de presiune se face prin indepartarea capacului (6) si rotirea surubului de reglaj (4). Prin rotirea surubului in sensul acelor de ceasornic se va mari presiunea in sistem iar prin rotirea surubului in sens invers acelor de ceasornic se va micsora presiunea in sistem.
Reglarea de fabrica este: 150 bar.



Supape hidraulice pentru montare in linie



Supapa de retinere / sens tip VU

Functionare:

Permite curgerea fulidului intr-un sens si blocheaza curgerea in sens invers.

Constructie:

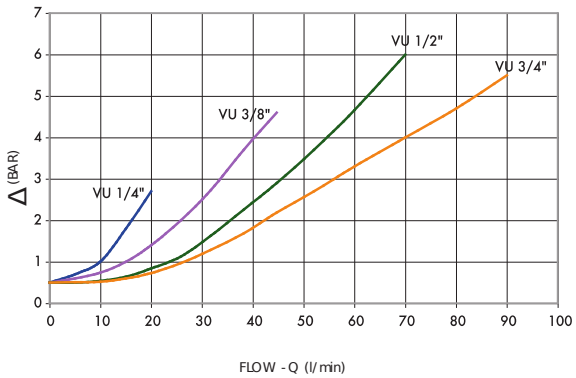
Corp din otel zincat
Componente interne tratate termic.

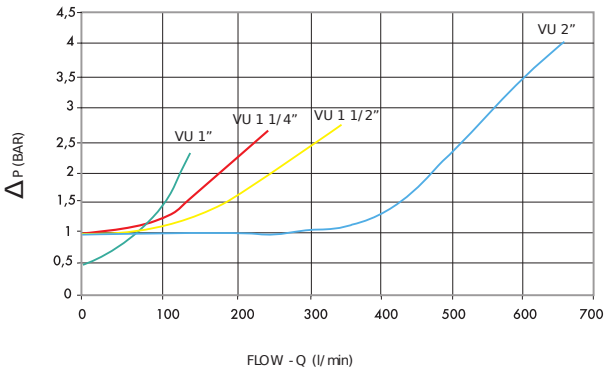
Instalare:

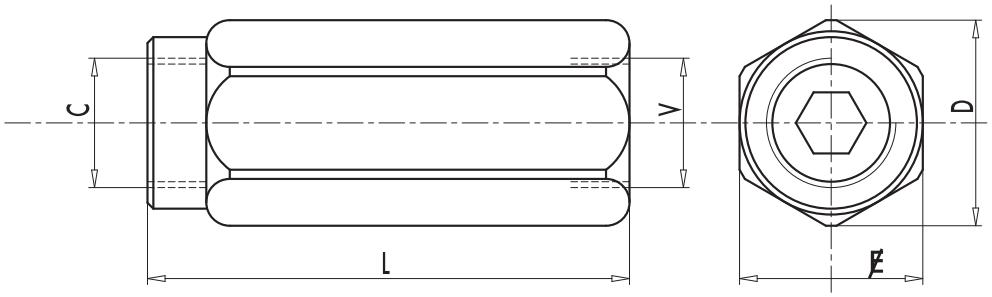
Se conecteaza V la sursa (pompa) iar C la actuator.

Nume	COD	Debit max. [l/min]	Presiune max. [bar]	Presiune deschidere [bar]
VU 1/8″	V0592	3	350	±0,4/0,7
VU 1/4″	V0590	20	350	±0,4/0,7
VU 3/8″	V0600	45	350	±0,4/0,7
VU 1/2″	V0610	70	350	±0,4/0,7
VU 3/4″	V0620	110	350	±0,4/0,7
VU 1″	V0630	160	350	±0,4/0,7
VU 1 1/4″	V0631	250	300	±0,7/1
VU 1 1/2″	V0632	350	300	±0,7/1
VU 2″	V0633	650	300	±1

Cadere de presiune

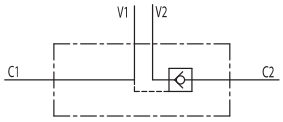






Nume	COD	Conexiune V - C	L [mm]	E [mm]	D [mm]	Masa [kg]
VU 1/8″	V0592	G 1/8″	44	14	16	0,038
VU 1/4″	V0590	G 1/4″	62	19	21	0,104
VU 3/8″	V0600	G 3/8″	68	24	26,5	0,184
VU 1/2″	V0610	G 1/2″	77	30	34	0,322
VU 3/4″	V0620	G 3/4″	88	36	40	0,492
VU 1″	V0630	G 1″	105	41	46	0,676
VU 1 1/4″	V0631	G 1 1/4″	135	55	63	1,646
VU 1 1/2″	V0632	G 1 1/2″	145	60	69	1,950
VU 2″	V0633	G 2″	150	70	80	2,726

Supapa de retinere simpla - VBPSE



Functionare:

Este utilizata pentru blocarea cilindrilor intr-un sens. Curgerea este libera intr-un sens si blocata in sens invers pana se aplica presiunea de deschidere pe linia pilot.

Constructie:

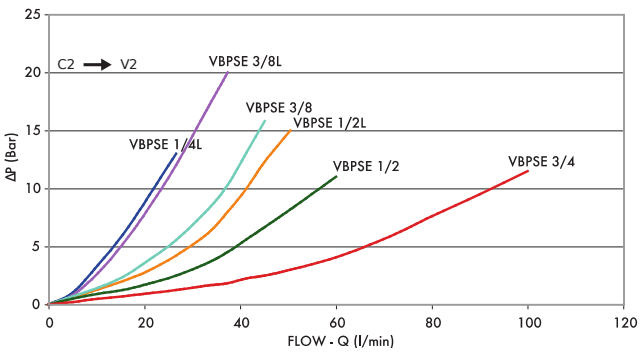
Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

Instalare:

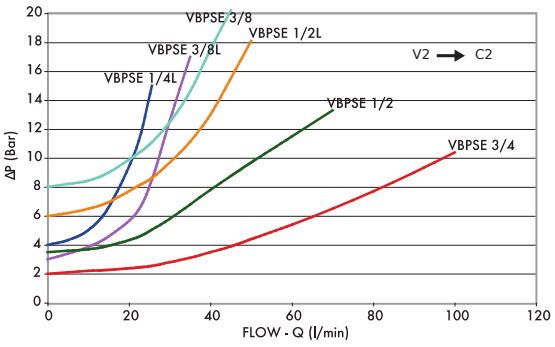
Se conecteaza V1 si V2 la sursa de presiune (pompa) iar C1 la actuator pe partea cu curgere libera si C2 la actuator pe partea unde curgerea trebuie blocata.

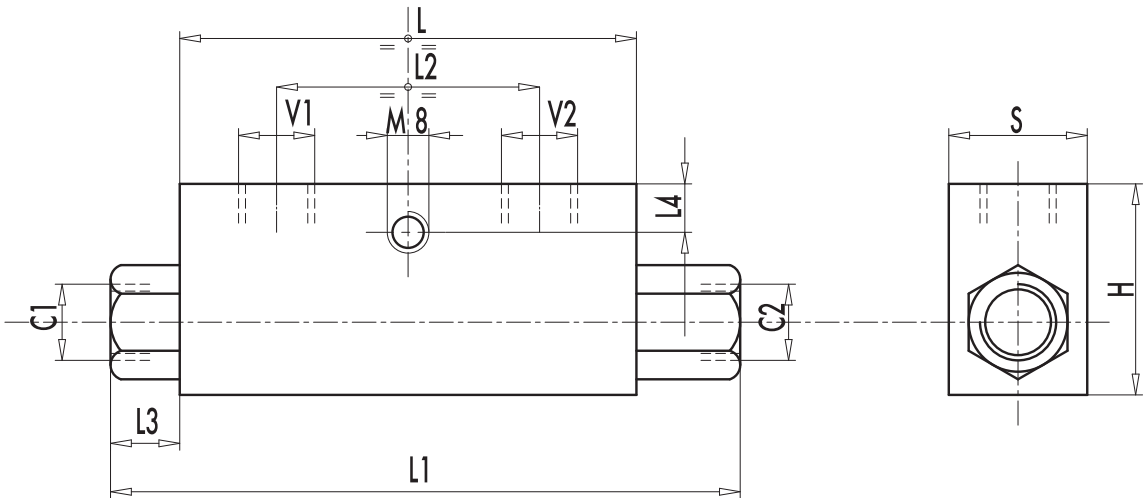
Nume	COD	Raport pilot [bar]	Debit max. [l/min]	Presiune max. [bar]	Presiune deschidere [bar]	Masa [kg]
VBPSE 1/4" L 4 VIE	V0220	1:5,5	20	350	4	0,612
VBPSE 3/8" L 4 VIE	V0230	1:5,5	35	350	3	0,706
VBPSE 1/2" L 4 VIE	V0240	1:5	50	350	6	0,994
VBPSE 3/8" 4 VIE	V0250	1:5	45	350	8	1,130
VBPSE 1/2" 4 VIE	V0260	1:4	70	350	3,5	1,214
VBPSE 3/4" 4 VIE	V0245	1:4	100	300	2	1,792

PRESSURE DROPS CURVE



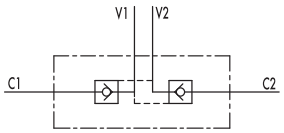
Oil temperature: 50° C - Oil viscosity: 30 cSt





Nume	COD	Conexiune V1 – V2 C1 - C2	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	H [mm]	S [mm]
VBPSE 1/4" L 4 VIE	V0220	G 1/4"	64	106,5	36	18,5	8	40	30
VBPSE 3/8" L 4 VIE	V0230	G 3/8"	80	120	38	16	8	40	30
VBPSE 1/2" L 4 VIE	V0240	G 1/2"	90	133	45	17	12,5	45	35
VBPSE 3/8" 4 VIE	V0250	G 3/8"	90	148	45	25	12,5	45	35
VBPSE 1/2" 4 VIE	V0260	G 1/2"	80	134	40	23	18	60	35
VBPSE 3/4" 4 VIE	V0245	G 3/4"	100	182	46	36	12	60	40

Supapa de retinere bidirectionala - VBPDE



Functionare:

Este utilizata pentru blocarea cilindrilor in ambele sensuri. Curgerea este libera intr-un sens si blocata in sens invers pana se aplica presiunea de deschidere pe linia pilot.

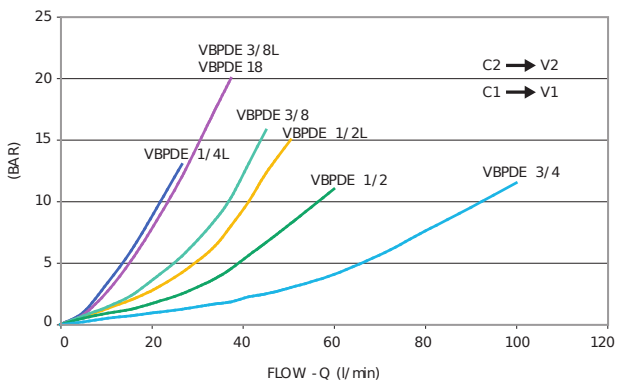
Constructie:

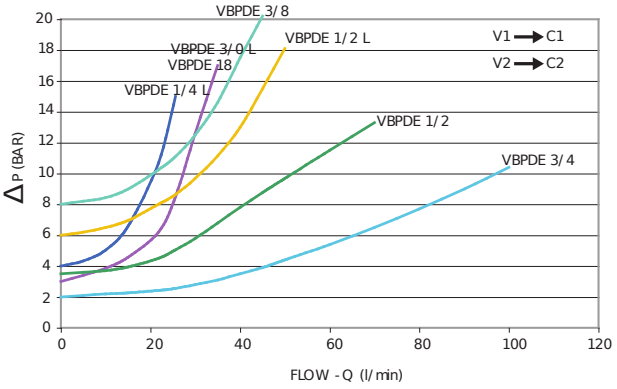
Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

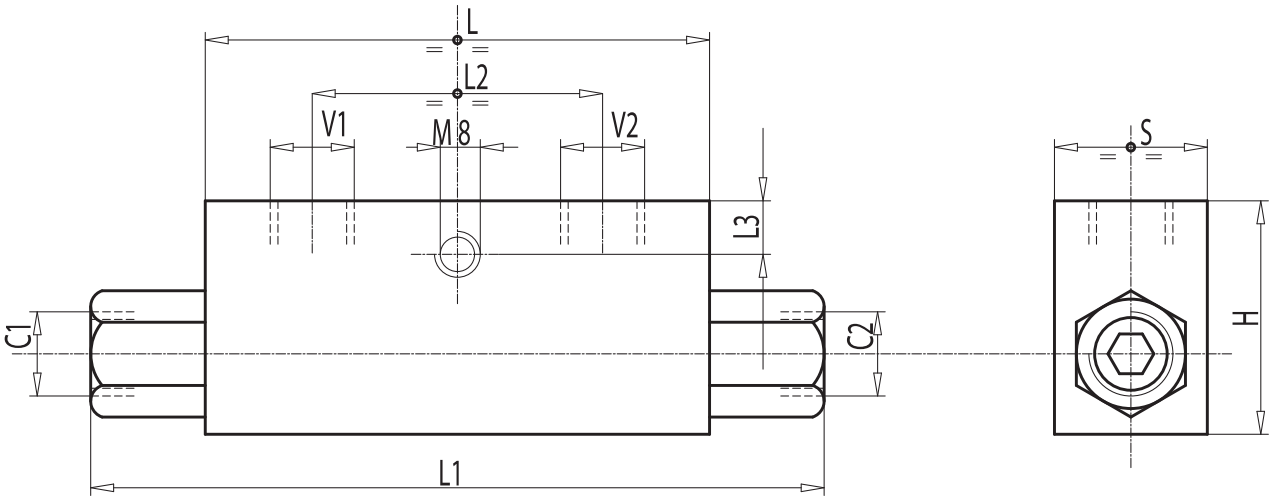
Instalare:

Se conecteaza V1 si V2 la sursa de presiune (pompa) iar C1 si C2 la actuator.

Nume	COD	Raport pilot [bar]	Debit max. [l/min]	Presiune max. [bar]	Presiune deschidere [bar]
VBPDE 1/4" L	V0010	1:5,5	20	350	4
VBPDE 3/8" L	V0020	1:5,5	35	350	3
VBPDE 1/2" L	V0030	1:5	50	350	6
VBPDE 3/8"	V0050	1:5	45	350	8
VBPDE 18 L	V0061	1:5,5	20	350	4
VBPDE 1/2"	V0070	1:4	70	350	3,5
VBPDE 3/4"	V0040	1:4	100	300	2

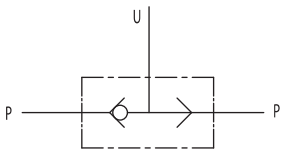






Nume	COD	Conexiune V1 – V2 C1 - C2	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	S [mm]	Masa [kg]
VBPDE 1/4" L	V0010	G 1/4"	64	113	36	8	40	30	0,636
VBPDE 3/8" L	V0020	G 3/8"	80	128	38	8	40	30	0,736
VBPDE 1/2" L	V0030	G 1/2"	90	142	45	12,5	45	35	1,042
VBPDE 3/8"	V0050	G 3/8"	90	156	45	12,5	45	35	1,174
VBPDE 18 L	V0061	M18x1,5	68	118	38	8	40	30	0,630
VBPDE 1/2"	V0070	G 1/2"	80	144	40	18	60	35	1,284
VBPDE 3/4"	V0040	G 3/4"	100	192	46	12	60	40	1,916

Supapa selector circuit - VU2P



Functionare:

Este folosita pentru a selecta intre doua linii de presiune pe cea cu presiune mai mare.

Constructie:

Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N

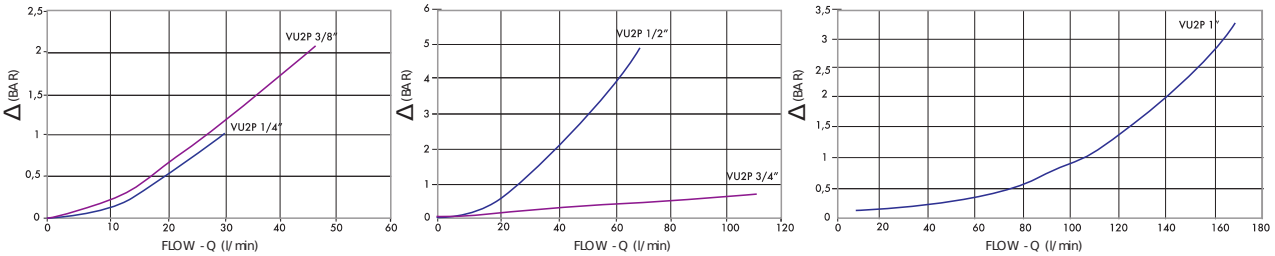
Instalare:

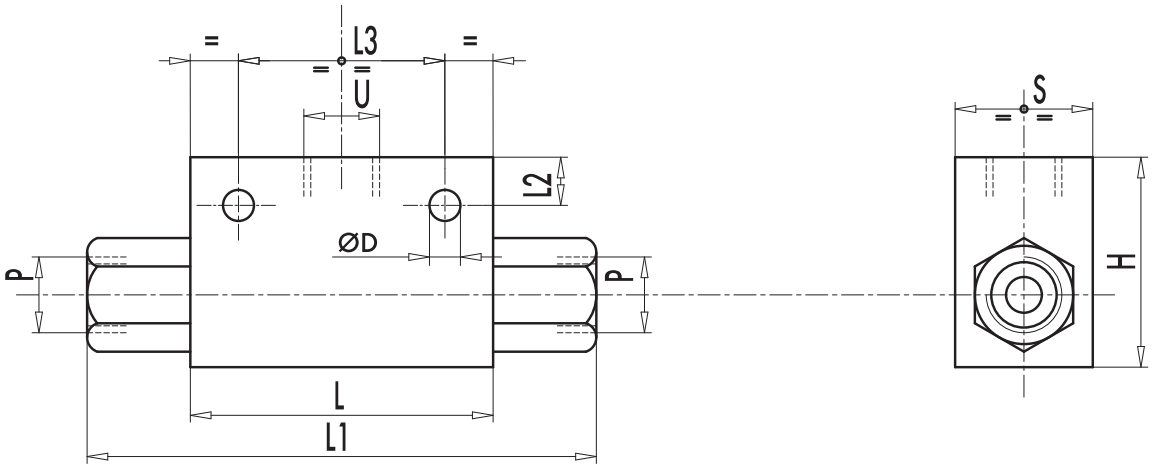
Se conecteaza P la cele doua linii de presiune iar U la circuitul ce trebuie alimentat.

Nume	COD	Debit max. [l/min.]	Presiune max. [bar]	Masa [kg]
VU2P 1/4″	V0666	30	450	0,560
VU2P 3/8″	V0668	45	450	0,530
VU2P 1/2″	V0670	70	450	0,652
VU2P 3/4″	V0680	110	350	1,086
VU2P 1″	V0685	150	300	1,870

PRESSURE DROPS CURVE

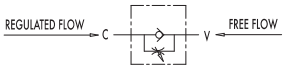
Oil temperature: 50° C - Oil viscosity: 30 cSt





Nume	COD	U,P	L	L1	L2	L3	ØD	H	S
VU2P 1/4"	V0666	G 1/4"	60	104	9	44	8,5	40	30
VU2P 3/8"	V0668	G 3/8"	60	104	9	44	8,5	40	30
VU2P 1/2"	V0670	G 1/2"	60	104	12	44	8,5	50	30
VU2P 3/4"	V0680	G 3/4"	80	127	12	44	8,5	58	35
VU2P 1"	V0685	G 1"	80	126	11	60	10,5	80	50

Supapa regulatoare de debit (drosel) VRFU 90



Functionare:

Permite reglarea fina a debitului de fuild intr-un sens de curgere iar in sens invers curgerea este libera. Deoarece nu este prevazuta cu sistem de compensare reglarea debitului este dependenta de presiune si vascozitate.

Constructie:

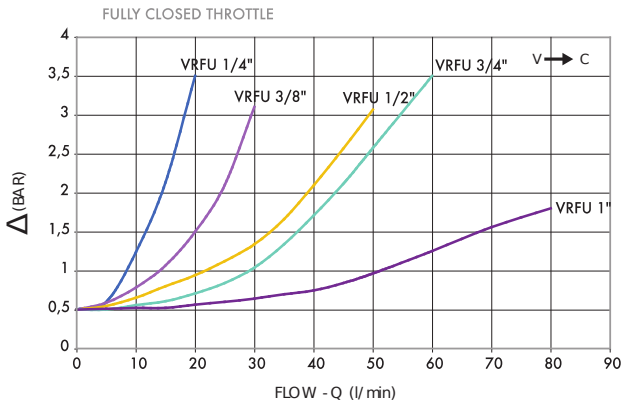
Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

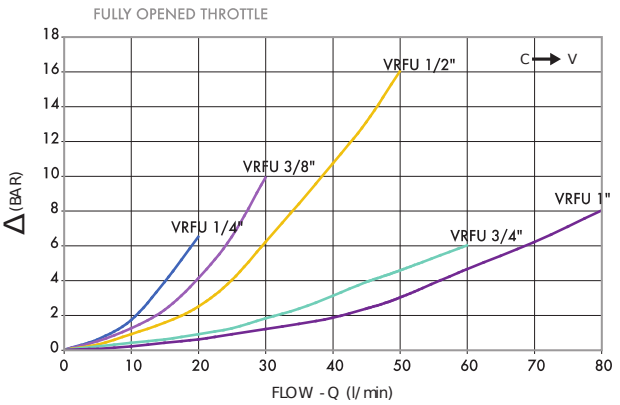
Instalare:

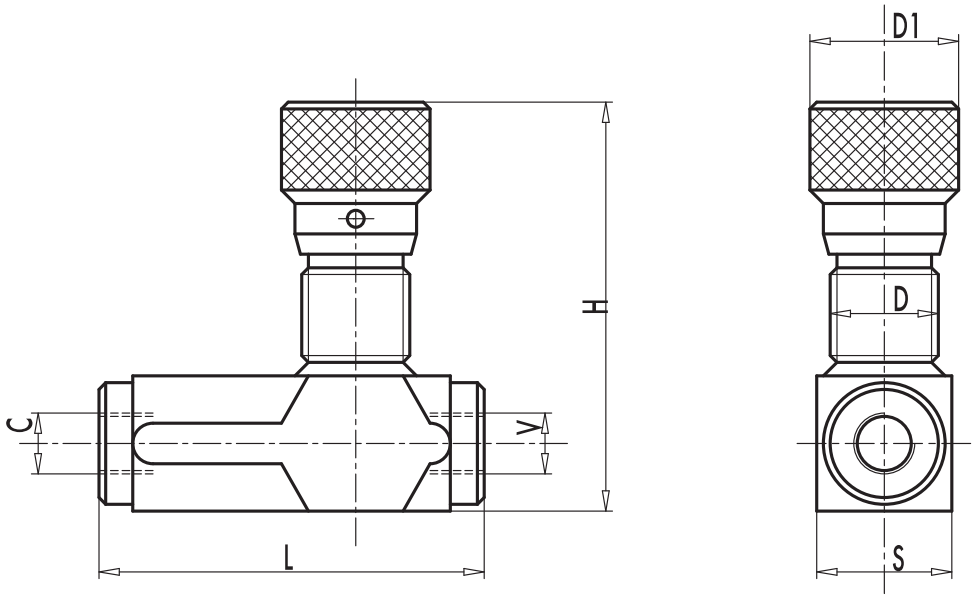
Se conecteaza V la sursa (pompa) iar C la actuator.

Nume	COD	Debit max. [l/min]	Presiune max. [bar]	Presiune deschidere [bar]
VRFU 90 1/4"	V0581	15	350	0,5
VRFU 90 3/8"	V0582	30	350	0,5
VRFU 90 1/2"	V0583	50	350	0,5
VRFU 90 3/4"	V0588	80	280	0,5
VRFU 90 1"	V0576	110	250	0,5

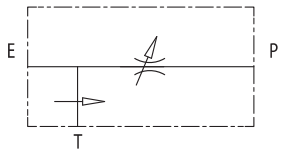
Caderea de presiune







Nume	COD	Conexiune V - C	L [mm]	D [mm]	D1 [mm]	H [mm]	S [mm]	Masa [kg]
VU 1/4″	V0581	G 1/4″	73	M22x1,5	32	82	25	0,416
VU 3/8″	V0582	G 3/8″	83	M22x1,5	32	82	25	0,420
VU 1/2″	V0583	G 1/2″	94	M22x1,5	32	87	30	0,582
VU 3/4″	V0588	G 3/4″	118	M35x1,5	42	108,5	40	1,360
VU 1″	V0576	G 1″	135	M35x1,5	42	126	40	1,390



Supapa regulatoare de debit cu 3 cai - RFP3

Functionare:

Permite mentinerea debitului la portul P la valoarea reglata independent de presiune sau debitul la intrare. Debitul in exces este directionat catre rezervor.

Constructie:

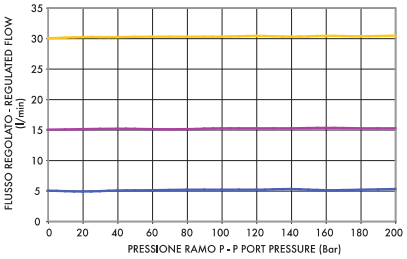
Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N

Instalare:

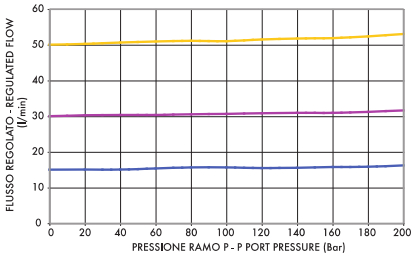
Se conecteaza E la conducta de presiune, P la reteaua unde se doreste reglarea debitului, T la rezervor. Pentru ajustarea presiunii se actioneaza rotita dupa eliberarea piulitei de blocare.

Nume	COD	Debit max. [l/min.]	Debit reglat [l/min]	Presiune max. [bar]	Masa [kg]
RFP 3/8"	V1110	60	50	350	2,170
RFP 1/2"	V1120	80	60	350	2,096
RFP 3/4"	V1130	120	100	350	3,344

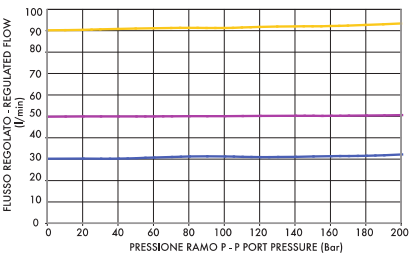
RFP3 3/8"

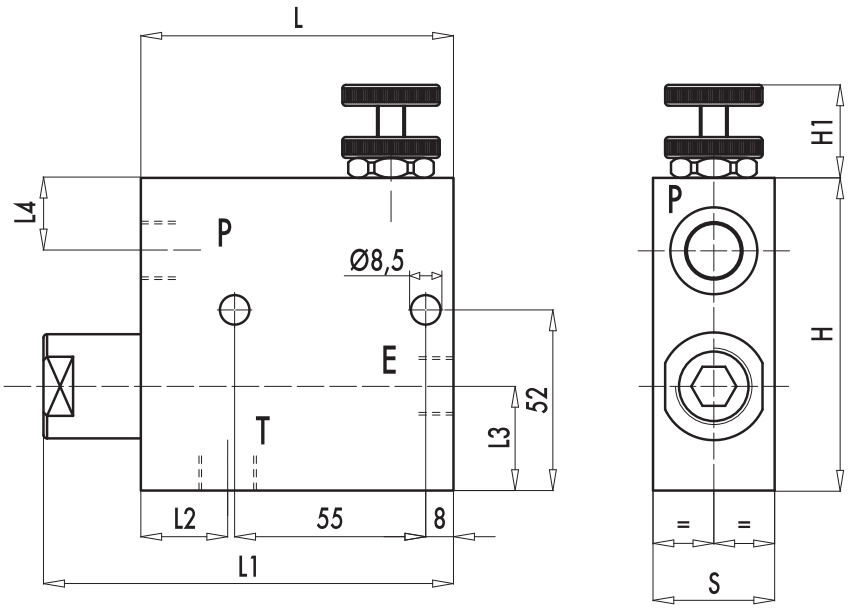


RFP3 1/2"

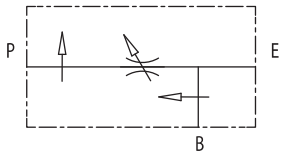


RFP3 3/4"





Nume	COD	E,P,T	L	L1	L2	L3	L4	H	H1	S
RFP 3/8"	V1110	G 3/8"	90	118	25	32	20	90	40	35
RFP 1/2"	V1120	G 1/2"	90	118	25	32	20	90	40	35
RFP 3/4"	V1130	G 3/4"	90	122	27	36	19	102	40	50



Supapa regulatoare de debit cu 3 cai - VPR3

Functionare:

Permite mentinerea debitului la portul P la valoarea reglata independent de presiune sau debitul la intrare. Debitul in exces este disponibil pentru un alt circuit. Portul B este insensibil fata de variatiile de presiune dar nu si de debit.

Constructie:

Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N

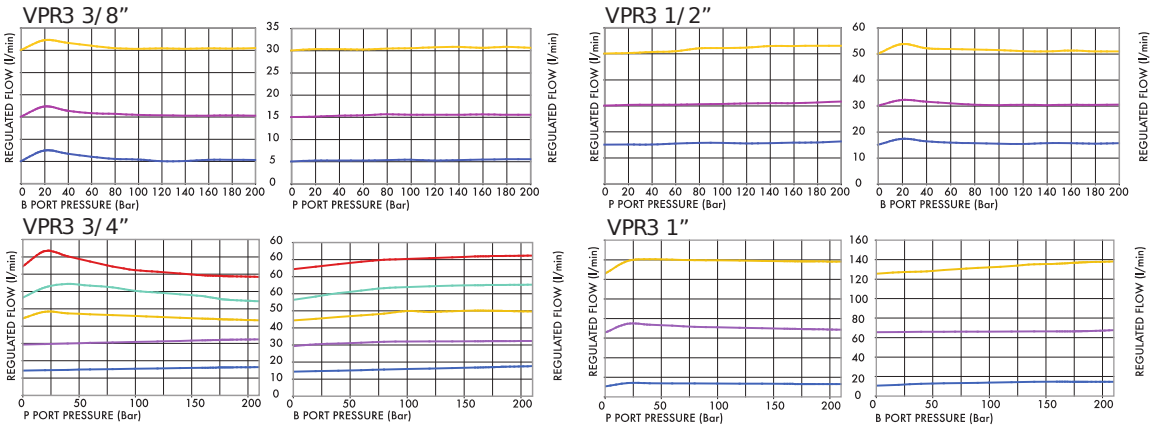
Instalare:

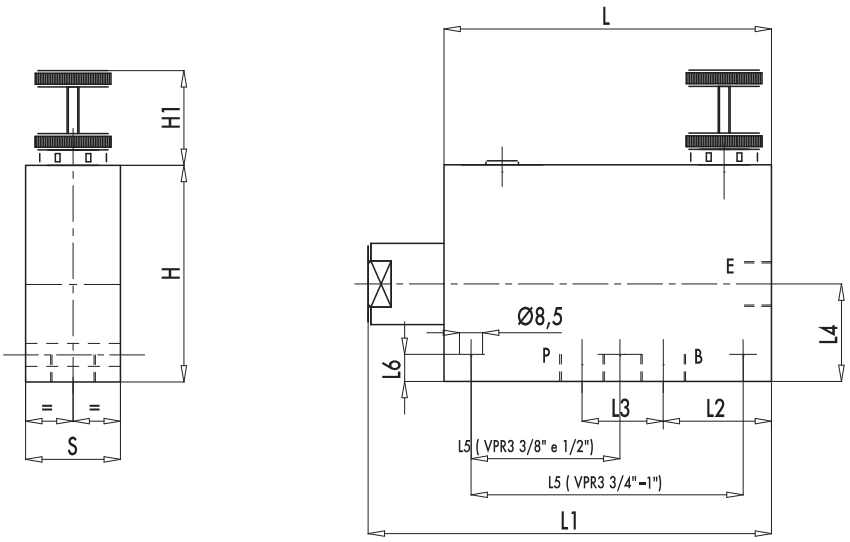
Se conecteaza E la conducta de presiune, P la reteaua unde se doreste reglarea debitului, B la un alt circuit sau la rezervor. Pentru ajustarea presiunii se actioneaza rotita dupa eliberarea piulitei de blocare.

Nume	COD	Debit max. [l/min.]	Debit reglat [l/min]	Presiune max. [bar]	Masa [kg]
VPR3 3/8"	V1060	60	50	350	2,530
VPR3 1/2"	V1070	80	60	350	2,470
VPR3 3/4"	V1080	120	100	350	4,958
VPR3 1"	V1090	200	170	350	5,268

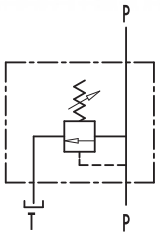
COMPENSATION CURVE

Oil temperature: 50° C - Oil viscosity: 30 cSt





Nume	COD	E,P,B	L	L1	L2	L3	L4	L5	L6	H	H1	S
VPR3 3/8″	V1060	G 3/8″	121	147	40	32	36	55	12	80	35	35
VPR3 1/2″	V1070	G 1/2″	121	147	37	36	36	55	12	80	35	35
VPR3 3/4″	V1080	G 3/4″	155	187	50	37	37	115	10	90	35	50
VPR3 1″	V1090	G 1″	155	187	46	47	47	115	12	100	35	50



Supapa regulatoare de presiune – VMP L

Functionare:

Asigura rapid si precis protectie la suprasarcina in circuitul hidraulic: cand se atinge presiunea setata, supapa se deschide si permite descarcarea presiunii in exces.

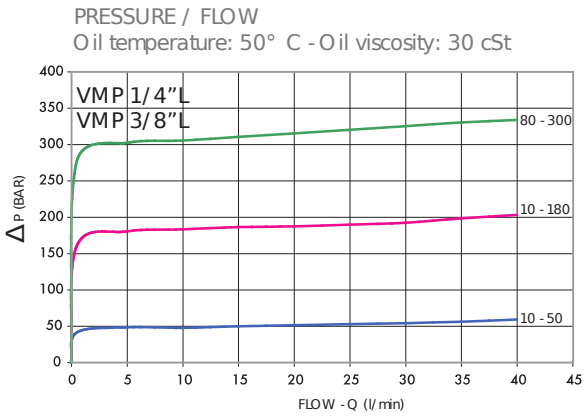
Constructie:

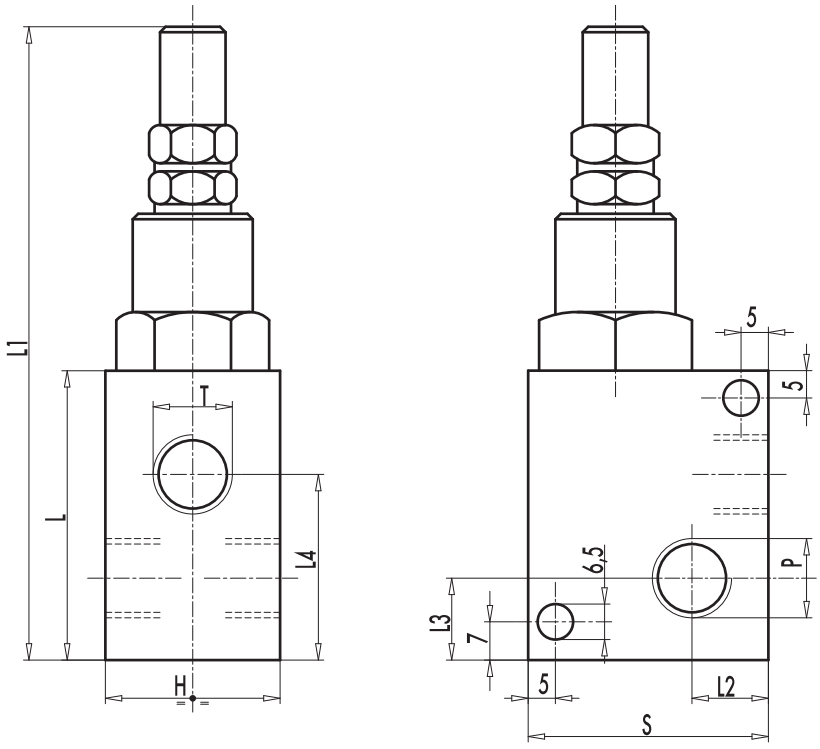
Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

Instalare:

Se conecteaza P la linia de presiune si T la rezervor. Conexiunile P sunt interschimbabile.

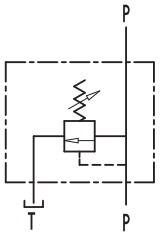
Nume	COD	Debit max. [l/min]	Masa [kg]
VMP 1/4" L	V0689	30	0,474
VMP 3/8" L	V0690	44	0,472





Nume	COD	Conexiune P, T	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	H [mm]	S [mm]
VMP 1/4" L	V0689	G 1/4"	52	114	12	13	34	30	40
VMP 3/8" L	V0690	G 3/8"	52	117	12	15	34,5	30	40

Domeniu de reglare [bar]	Variatie presiune [bar / rotatie] Q = 4 l/min.	Setare standard [bar]
10 - 50*	7	30
10 – 180 standard	30	90
80 - 300	50	150



Supapa regulatoare de presiune - VMP

Functionare:

Asigura rapid si precis protectie la suprasarcina in circuitul hidraulic: cand se atinge presiunea setata, supapa se deschide si permite descarcarea presiunii in exces.

Constructie:

Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

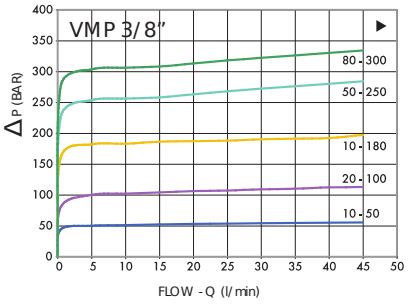
Instalare:

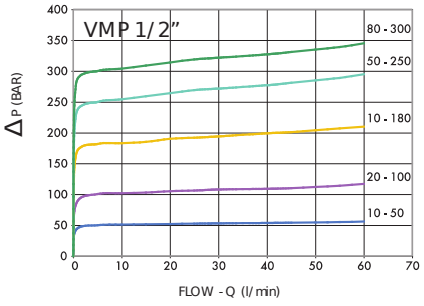
Se conecteaza P la linia de presiune si T la rezervor. Conexiunile P sunt interschimbabile.

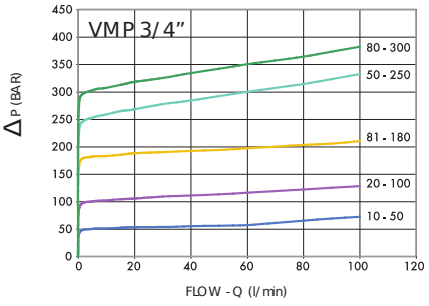
Nume	COD	Debit max. [l/min]	Masa [kg]
VMP 3/8"	V0700	45	0,824
VMP 1/2"	V0710	70	1,058
VMP 3/4"	V0720	90	1,470

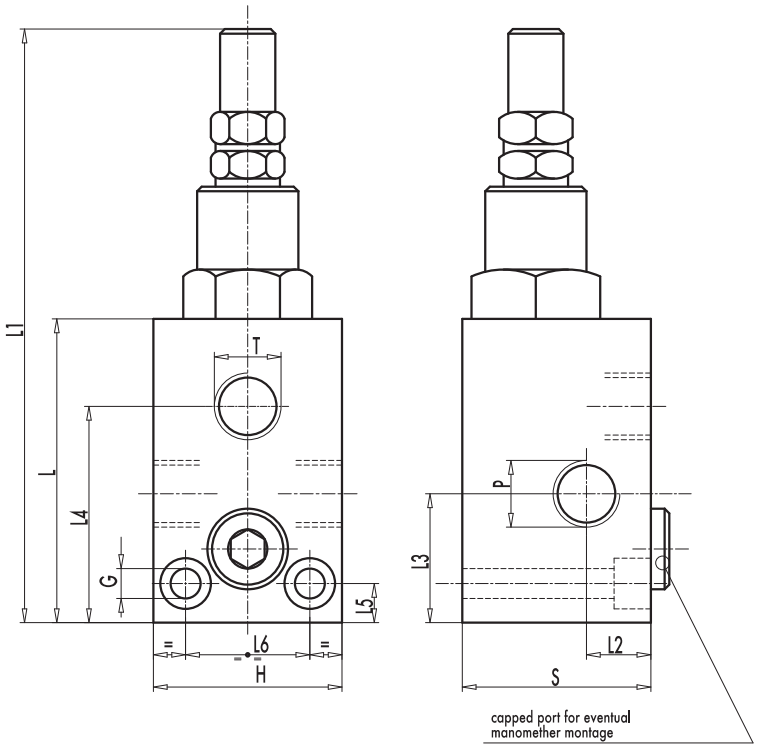
PRESSURE / FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt



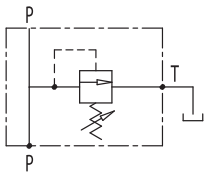






Nume	COD	Conexiune P, T	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	G [mm]	H [mm]	S [mm]
VMP 3/8″	V0700	G 3/8″	72	134	15	26	49,5	8,5	26	6,5	40	40
VMP 1/2″	V0710	G 1/2″	77	139	17,5	29,5	54	8,5	30	6,5	45	45
VMP 3/4″	V0720	G 3/4″	92	154	17,5	35	68	10	32	8,5	50	50

Domeniu de reglare [bar]	Variatie presiune [bar / rotatie] Q = 4 l/min.	Setare standard [bar]
10 - 50*	7	30
20 - 100	12	75
10 – 180 standard	30	90
50 - 250	45	130
80 - 300	50	150



Supapa regulatoare de presiune – VMPP

Functionare:

Asigura rapid si precis protectie la suprasarcina in circuitul hidraulic: cand se atinge presiunea setata, supapa se deschide si permite descarcarea presiunii in exces. Deschiderea supapei diferentiale este mai lenta fata de o supapa standard dar este mai putin sensibila fata de variatiile de debit.

Constructie:

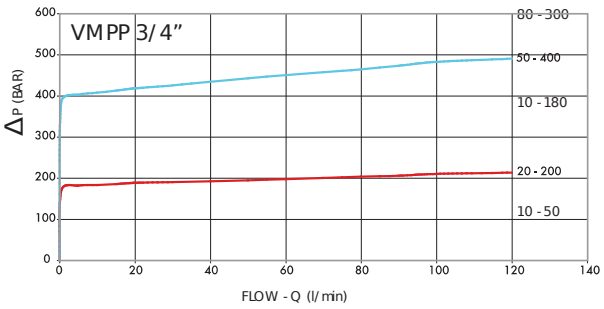
Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

Instalare:

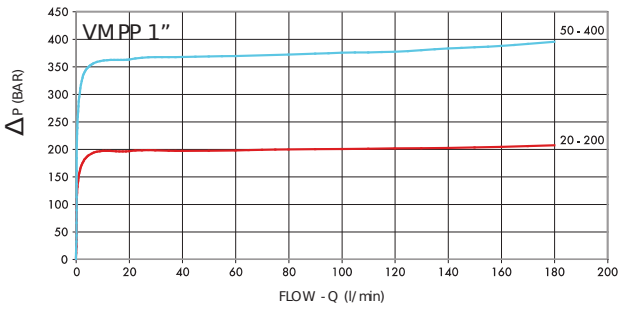
Se conecteaza P la linia de presiune si T la rezervor. La versiunea de 1" exista 2 conexiuni T ce pot fi folosite in functie de nevoi.

Nume	COD	Debit max. [l/min]	Masa [kg]
VMPP 3/4"	V0725	120	2,20
VMPP 1"	V0735	160	2,87

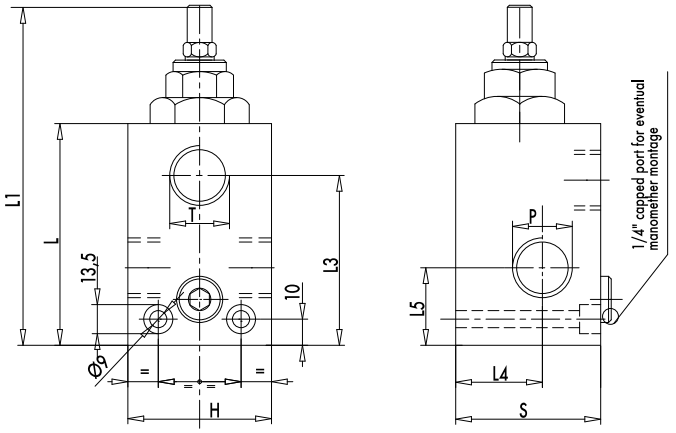
PRESSURE / FLOW



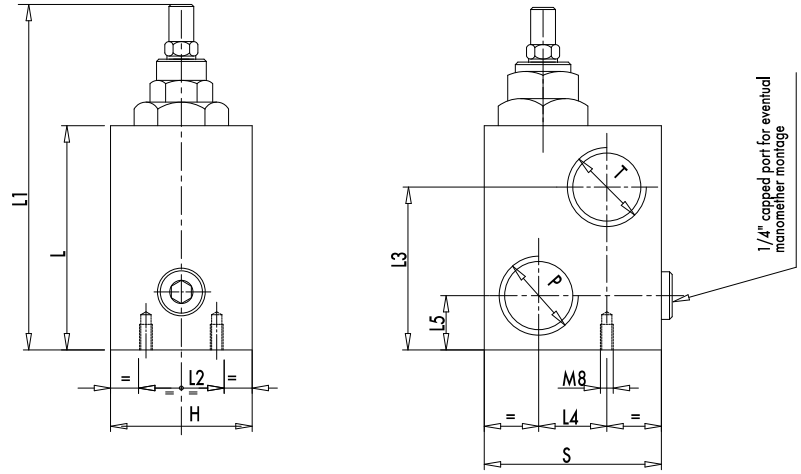
Oil temperature: 50° C - Oil viscosity: 30 cSt



VMPP G 3/4”

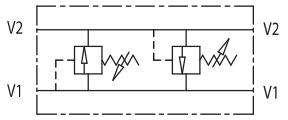


VMPP G1”



Nume	COD	Conexiune P, T	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	H [mm]	S [mm]
VMPP 3/4”	V0725	G 3/4”	94	146	32	70	35	32	60	60
VMPP 1”	V0735	G 1”	94	146	30	71	34	23	60	80

Domeniu de reglare [bar]	Variatie presiune [bar / rotatie] Q = 4 l/min.	Setare standard [bar]
20 – 200	40	160
50 – 400 standard	80	180



Supapa regulatoare de presiune bidirectionala

Functionare:

Este construita cu ajutorul a doua supape regulatoare de presiune incrucisate, folosite pentru a regla presiunea la ambele porturi ale unui actuator sau motor hidraulic. Este ideala pentru protecctia impotriva socurilor sau pentru a regla presiuni diferite incele doua porturi ale unui circuit hidraulic.

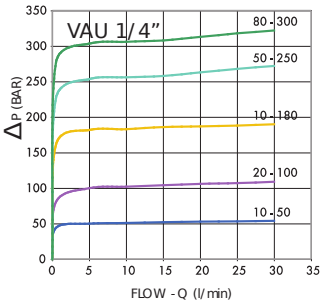
Constructie:

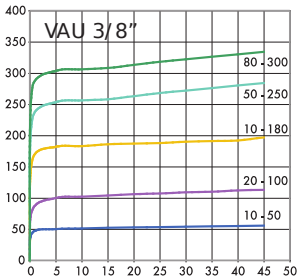
Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N

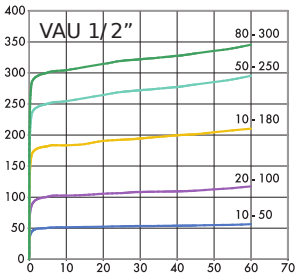
Instalare:

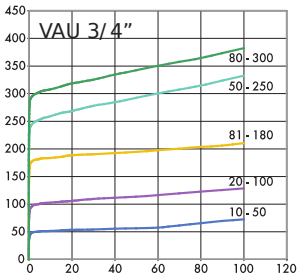
Se conecteaza V1 si V2 la porturile unui actuator / motor hidraulic si porturile ramase la circuitul hidraulic.

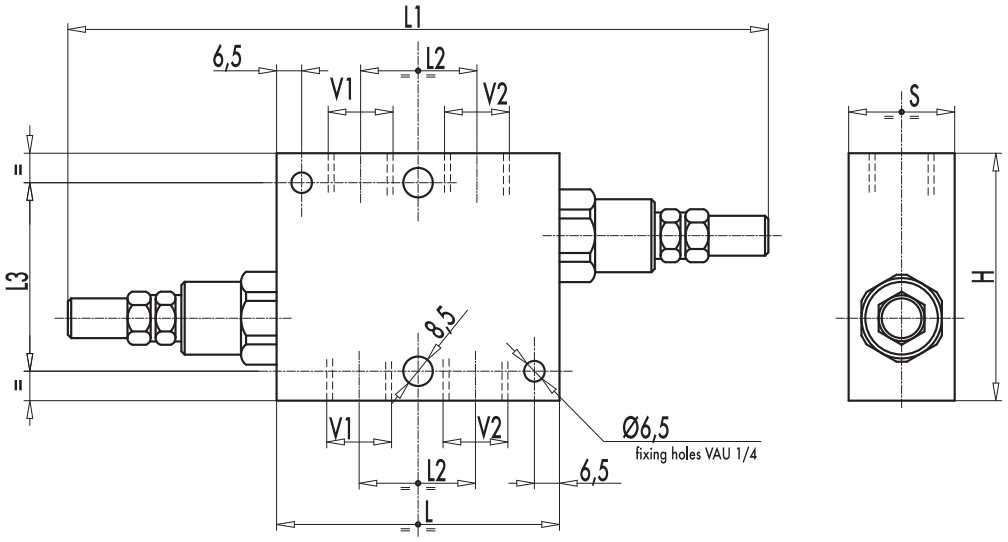
Nume	COD	Debit max. [l/min.]	Masa [kg]
VAU 1/4"	V0438	30	0,988
VAU 3/8"	V0440	45	1,208
VAU 1/2"	V0450	70	1,150
VAU 3/4"	V0460	110	1,680





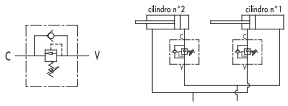






Nume	COD	V1 - V2	L	L1	L2	L3	H	S
VAU 1/4"	V0438	G 1/4"	60	156	26	54	70	30
VAU 3/8"	V0440	G 3/8"	80	176	33	54	70	30
VAU 1/2"	V0450	G 1/2"	80	200	38	54	70	30
VAU 3/4"	V0460	G 3/4"	95	215	44	54	80	35

Domeniu de reglare [bar]	Variatie presiune [bar / rotatie] Q = 4 l/min.	Setare standard [bar]
10 - 50*	7	30
20 - 100	12	75
10 – 180 standard	30	90
50 - 250	45	130
80 - 300	50	150



Supapa de secventa cu actiune directa- VS2C

Functionare:

Este folosita pentru a alimenta doi cilindri in secventa: permite circulatia fluidului catre al 2-lea circuit atunci cand primul cilindru si-a terminat operatia ating presiunea prestabilita. Returul este liber

Constructie:

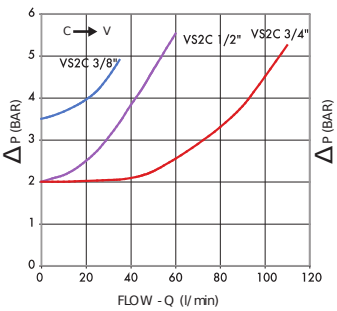
Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N

Instalare:

Se va utiliza modul de montare din schema grafica. Pentru alte utilizari trebuie avut in vedere ca atunci cand supapa atinge presiunea de referinta curgerea fluidului este directionata de la V catre C iar in sens invers curgerea este libera.

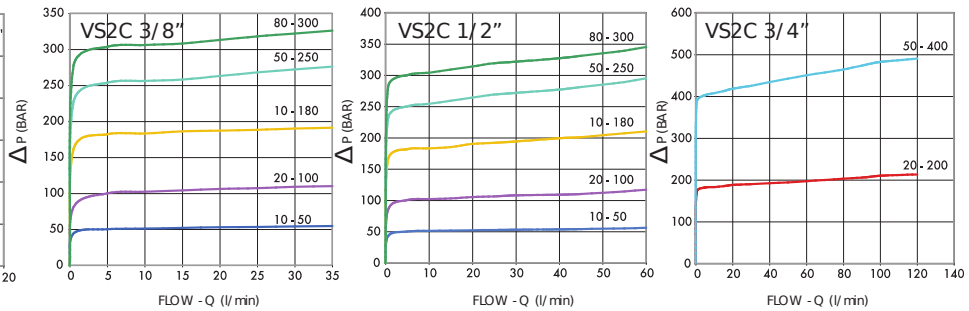
Nume	COD	Debit max. [l/min.]	Presiune max. [bar]	Masa [kg]
VS2C 3/8"	V0640	35	350	1,172
VS2C 1/2"	V0660	70	350	1,130
VS2C 3/4"	V0665	110	400	2,900

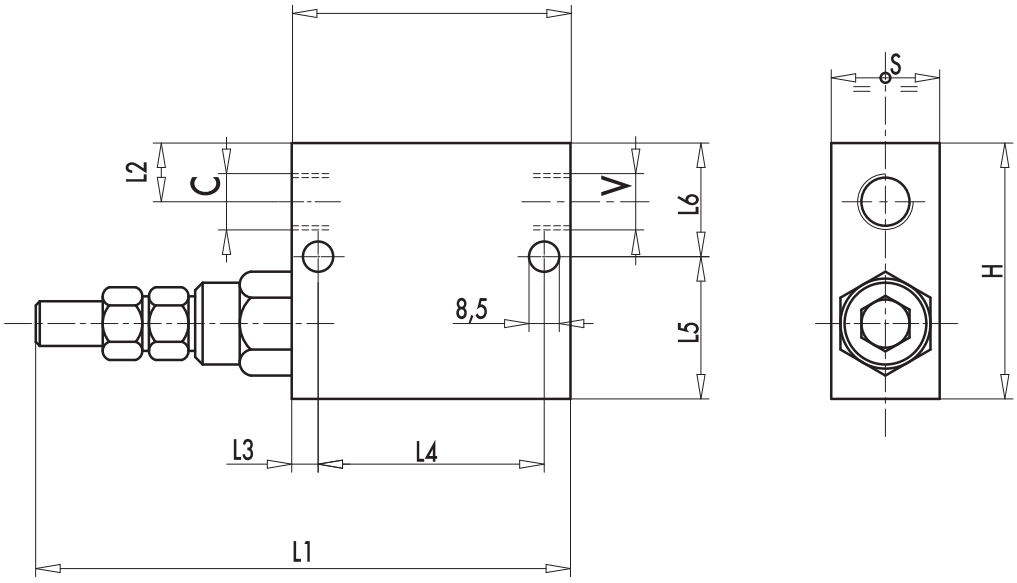
PRESSURE DROPS CURVE



PRESSURE/ FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt

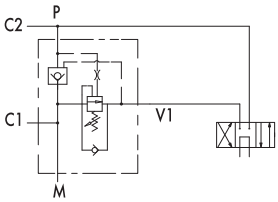




Nume	COD	C - V	L	L1	L2	L3	L4	L5	L6	H	S
VS2C 3/8"	V0640	G 3/8"	74	146	14	7	55	39	31	70	30
VS2C 1/2"	V0660	G 1/2"	80	152	15	7	55	37	33	70	30
VS2C 3/4"	V0665	G 3/4"	100	164	20	10	80	50	50	100	40

Model	Domeniu de reglare [bar]	Variatie presiune [bar / rotatie] Q = 4 l/min.	Setare standard [bar]
VS2C 3/8" , VS2C 1/2"	10 - 50*	7	30
	20 - 100	12	75
	10 – 180 standard	30	90
	50 - 250	45	130
	80 - 300	50	150
VS2C 3/4"	20 - 200	40	160
	50 – 400 standard	80	180

Supapa de regenerare - VRSP



Functionare:

Acest tip de supapa permite recuperarea fluxului de ulei din capatul tijei cilindrului si directionarea acestuia catre capatul opus tijei cilindrului prin intermediul portului P, adaugandu-l la debitul pompei. Cand presiunea din capatul opus tijei atinge valorea setata, fluxul dinspre capatul tijei este directionat catre rezervor prin portul V1 circuitul devenind unul fara regenerare.

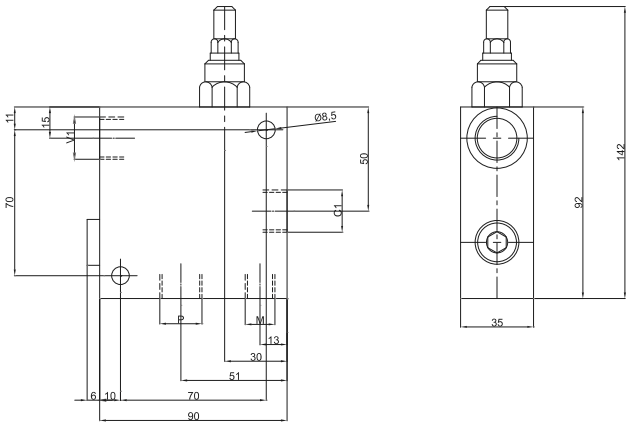
Constructie:

Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N

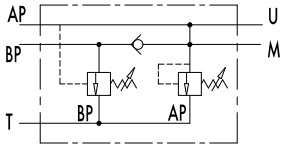
Instalare:

Se conecteaza C1 la cilindru spre capatul tijei, V1 catre alimentare, P la capatul opus tijei cilindrului si la a 2-a ramura a circutului de alimentare, M se conecteaza la manometru .

Nume	COD	Raport pilot	Debit max. [l/min.]	Domeniu reglare. [bar]	Masa [kg]
VRSP 1/2"	V1220	1:4,5	60	60 - 350	2,026
VRSP 3/4"	V1230	1:5,5	95	60 - 350	3,496



Nume	COD	C1,C2,V1,V2	L	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	H	H1	S
VRSP 1/2"	V1220	G 1/2"	90	6	10	70	51	30	13	70	11	15	50	92	142	35
VRSP 3/4"	V1230	G 3/4"	105	6	10	85	59	37	20	85	12	22	62	120	177	40



Supapa de descarcare „Hi-Low" - VABP

Functionare:

Este utilizata in circuitele cu doua pompe ce lucreaza in paralel pentru a descarca pompa cu debit mai mare atunci cand se atinge presiunea presetata. Din acet moment actuatorul este alimentat dor de pompa cu debit mai mic la presiune ridicata, consumand mai puntina energie.

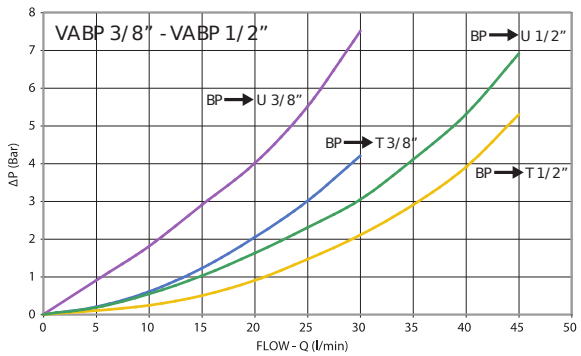
Constructie:

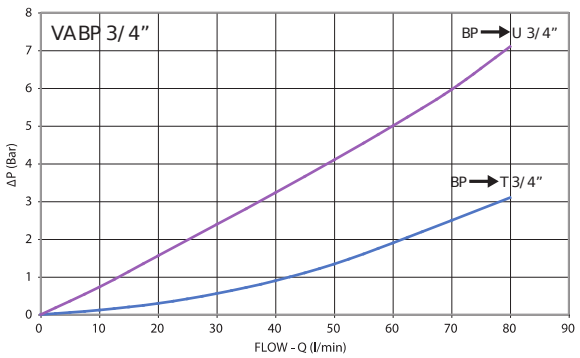
Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N

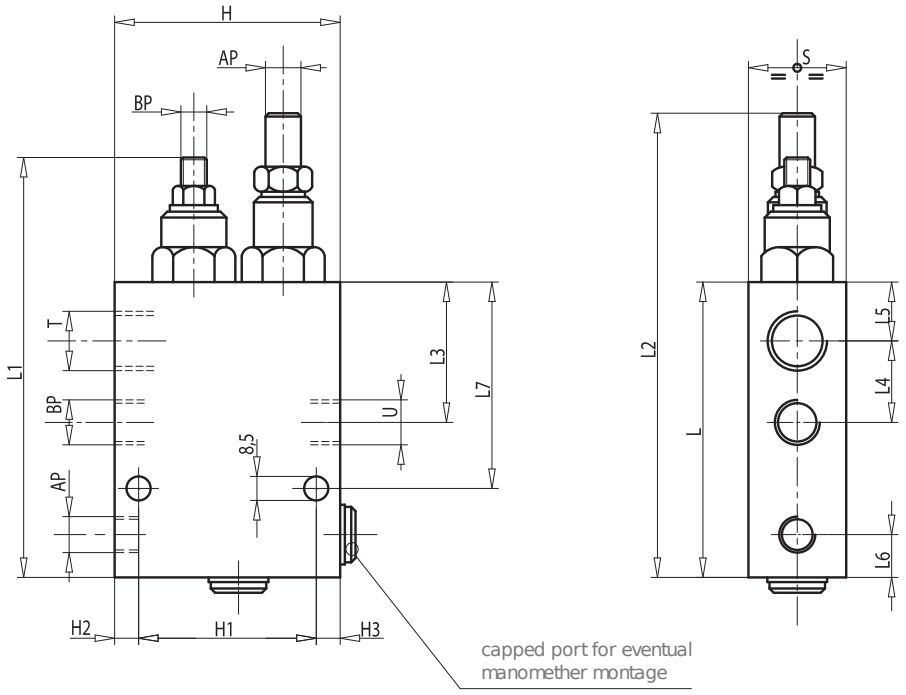
Instalare:

Se conecteaza BP la pompa cu debit mai mare, AP la pompa cu debit mai mic, T la rezervor, M la un eventual manometru, U la circuitul de lucru.

Nume	COD	Debit maxim [l/min]			Presiune max. [bar]	Masa [kg]
		AP	BP	T		
VBPD 3/8"	V0512	20	40	60	300	1,748
VBPD 1/2"	V0513	30	50	80	350	2,342
VBPD 3/4"	V0514	40	80	120	350	3,970

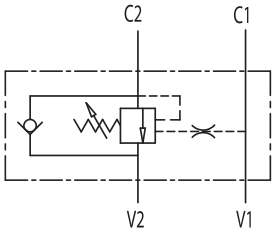






Nume	COD	AP	BP	U	T	L	L1	L2	L3	L4	L5	L6	L7	H1	H2	H3	H	S
VBPD 3/8"	V0512	G1/4"	G3/8"	G3/8"	G1/2"	100	142	155	50	30	20	13	69	65	8,5	6,5	80	30
VBPD 1/2"	V0513	G3/8"	G1/2"	G1/2"	G3/4"	105	147	160	54	36	18	15	73	65	17	8	90	35
VBPD 3/4"	V0514	G1/2"	G3/4"	G3/4"	G1"	140	187	212	52,5	42,5	20	20	95	65	27	8	100	40

Supapa overcenter – VBCD SE



Functionare:

Sunt folosite pentru a controla miscarile actuatorului intr-o singura directie pentru a permite coborarea controlata a sarcinilor; sarcinile suspendate nu pot misca necontrolat actuatorul doarece supapele nu permit cavitatia in sistem.

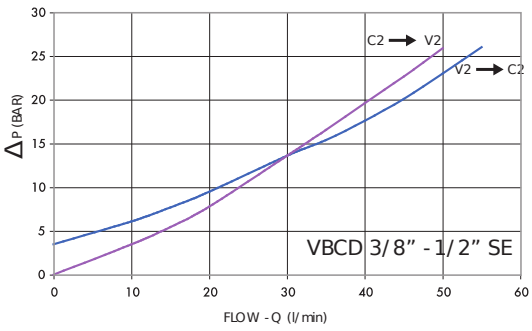
Constructie:

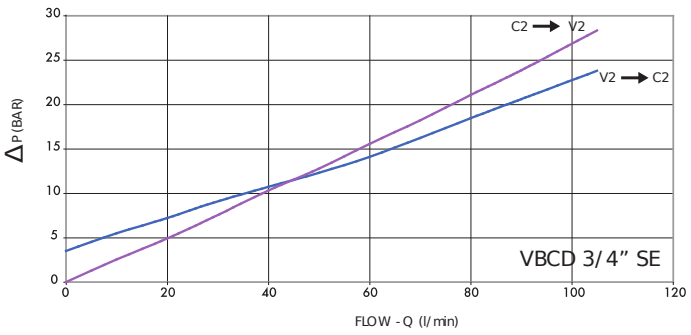
Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N
Scurgeri interne: minore
Setare standard: 320 bar

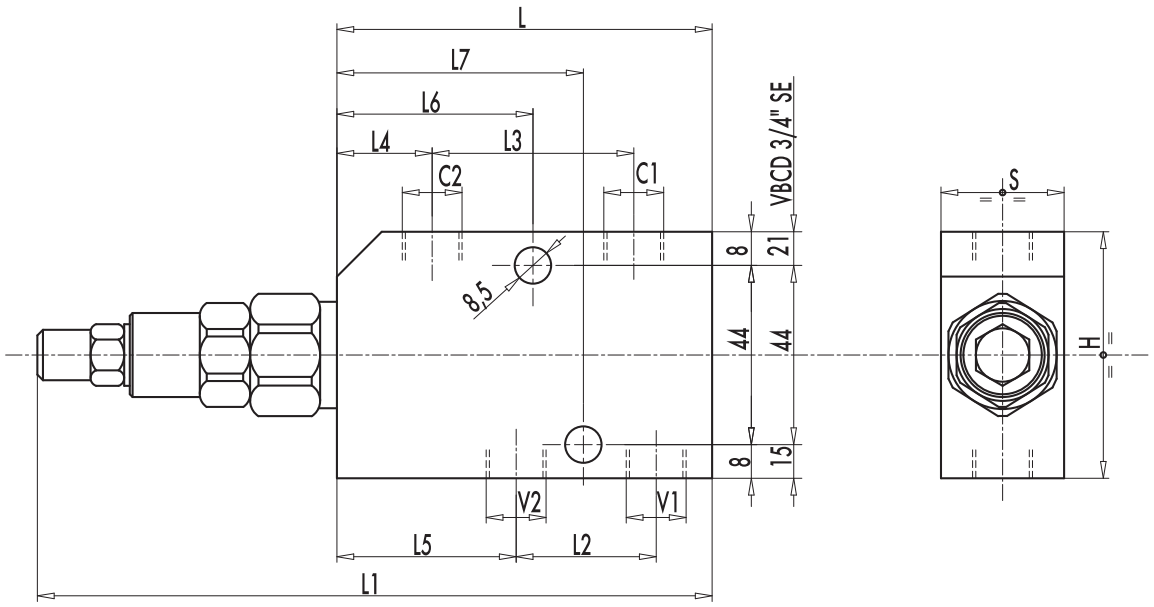
Instalare:

Se conecteaza V1 si V2 la circuitul de alimentare iar C1 la partea actuatorului cu curgere libera si C2 la partea actuatorului unde se doreste blocarea.

Nume	COD	Raport pilot	Debit max. [l/min]	Presiune max. [bar]	Masa [kg]
VBCD 3/8" SE	V0390	1:3,1	35	350	1,194
VBCD 3/8" SE RP 1:8	V0390/RP18	1:8	35	350	1,194
VBCD 1/2" SE	V0410	1:3,1	50	350	1,130
VBCD 1/2" SE RP 1:8	V0410/RP18	1:8	50	350	1,130
VBCD 3/4" SE	V0411	1:5,5	105	350	2,150
VBCD 3/4" SE RP 1:8	V0411/RP18	1:8	105	350	2,150

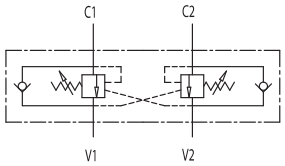






Nume	COD	V1,V2,C1,C2	L	L1	L2	L3	L4	L5	L6	L7	H	S
VBCD 3/8" SE	V0390	G 3/8"	90	162	32	48	23	42	48	58	60	30
VBCD 3/8" SE RP 1:8	V0390/RP18	G 3/8"	90	62	32	48	23	42	48	58	60	30
VBCD 1/2" SE	V0410	G 1/2"	90	162	35	48	23	40,5	48	58	60	30
VBCD 1/2" SE RP 1:8	V0410/RP18	G 1/2"	90	162	35	48	23	40,5	48	58	60	30
VBCD 3/4" SE	V0411	G 3/4"	118	190	47	71	23	47	72,5	72,5	80	35
VBCD 3/4" SE RP 1:8	V0411/RP18	G 3/4"	118	190	47	71	23	47	72,5	72,5	80	35

Supapa overcenter dubla – VBCD DE



Functionare:

Sunt folosite pentru a controla miscarile actuatorului in ambele directii pentru apermite coborarea controlata a sarcinilor; sarcinile suspendate nu pot misca necontrolat actuatorul doarece supapele nu permit cavitatia in sistem.

Constructie:

Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N
Scurgeri interne: minore
Setare standard: 320 bar

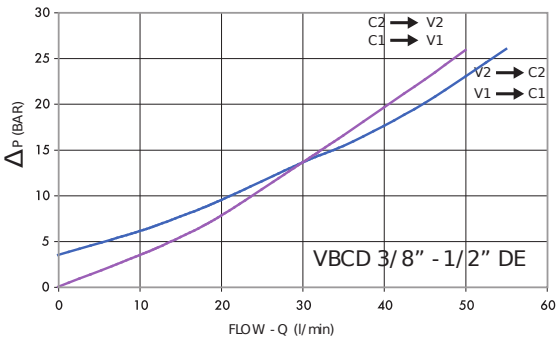
Instalare:

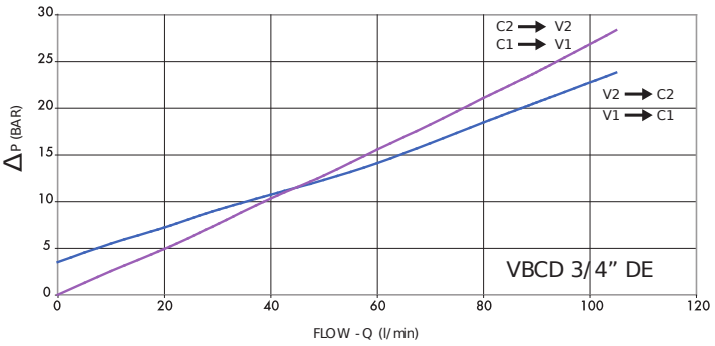
Se conecteaza V1 si V2 la circuitul de alimentare iar C1 si C2 la actuator.

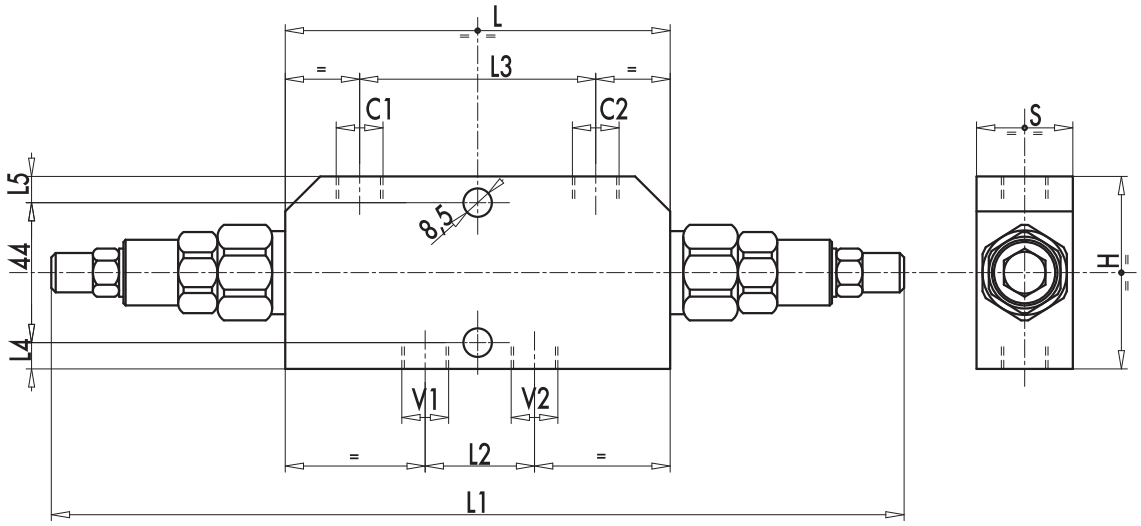
Nume	COD	Raport pilot	Debit max. [l/min]	Presiune max. [bar]	Masa [kg]
VBCD 3/8" DE	V0420	1:3,1	35	350	1,724
VBCD 3/8" DE RP 1:8	V0420/RP18	1:8	35	350	1,724
VBCD 1/2" DE	V0430	1:3,1	50	350	1,688
VBCD 1/2" DE RP 1:8	V0430/RP18	1:8	50	350	1,688
VBCD 3/4" DE	V0431	1:5,5	105	350	3,000
VBCD 3/4" DE RP 1:8	V0431/RP18	1:8	105	350	3,000

PRESSURE DROPS CURVE

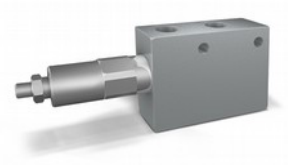
Oil temperature: 50° C - Oil viscosity: 30 cSt



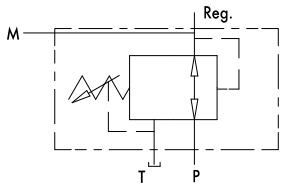




Nume	COD	V1,V2,C1,C2	L	L1	L2	L3	L4	L5	H	S
VBCD 3/8″ DE	V0420	G 3/8″	120	264	34	73	8	8	60	30
VBCD 3/8″ DE RP 1:8	V0420/RP18	G 3/8″	120	264	34	73	8	8	60	30
VBCD 1/2″ DE	V0430	G 1/2″	120	264	36	73	8	8	60	30
VBCD 1/2″ DE RP 1:8	V0430/RP18	G 1/2″	120	264	36	73	8	8	60	30
VBCD 3/4″ DE	V0431	G 3/4″	152	296	58	106	15	21	80	35
VBCD 3/4″ DE RP 1:8	V0431/RP18	G 3/4″	152	296	58	106	15	21	80	35



Supapa de reducere presiune - VRP



Functionare:

Este utilizata pentru a mentine o presiune constanta in circuitul de dupa ea indiferent de presiunea din circuitul de la care este alimentata supapa.

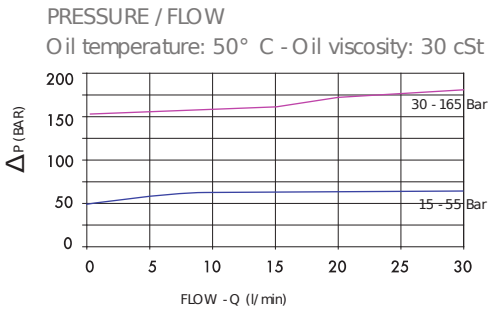
Constructie:

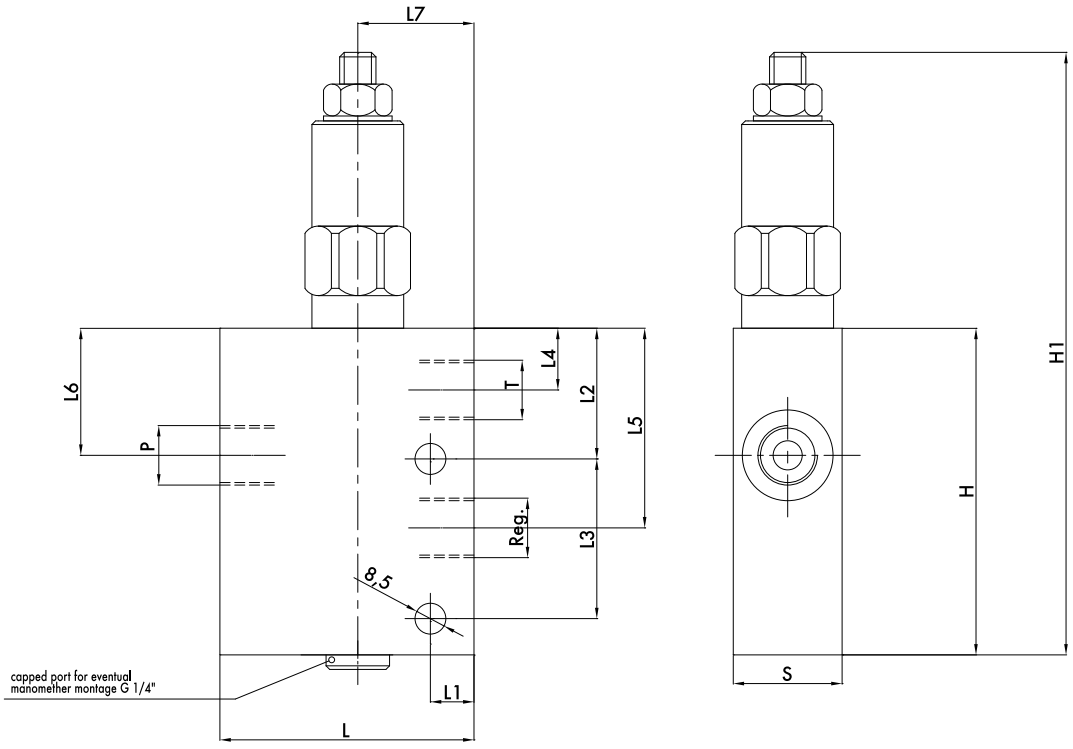
Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

Instalare:

Se conecteaza P la circuitul de alimentare, T la rezervor si Reg la circuitul unde trebuie redusa presiunea.

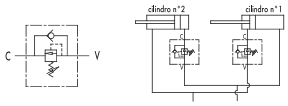
Nume	COD	Debit max. [l/min]	Presiune max. [bar]	Masa [kg]
VRP 3/8"	V0704/000*	30	350	1,530
VRP 1/2"	V0706/000*	30	350	1,468





Nume	COD	Conexiune P,T,Reg	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	H [mm]	H1 [mm]	S [mm]
VRP 3/8"	V0704	G 3/8"	70	12	36	44	17	55	35	32	90	168	30
VRP 1/2"	V0706	G 1/2"	70	12	36	44	17	55	35	32	90	168	30

Cod	Domeniu de reglare [bar]
COD/055	15 - 55
COD/165	30 - 165



Supapa de secventa cu actiune directa- VS2C

Functionare:

Este folosita pentru a alimenta doi cilindri in secventa: permite circulatia fluidului catre al 2-lea circuit atunci cand primul cilindru si-a terminat operatia ating presiunea prestabilita. Returul este liber

Constructie:

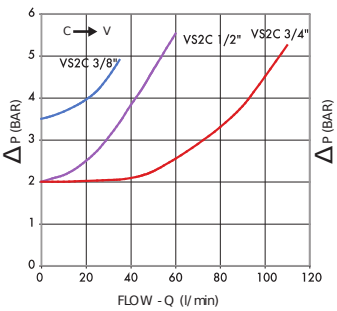
Corp din otel zincatca
Componente interne tratate termic.
Etansare: BUNA N

Instalare:

Se va utiliza modul de montare din schema grafica. Pentru alte utilizari trebuie avut in vedere ca atunci cand supapa atinge presiunea de referinta curgerea fluidului este directionata de la V catre C iar in sens invers curgerea este libera.

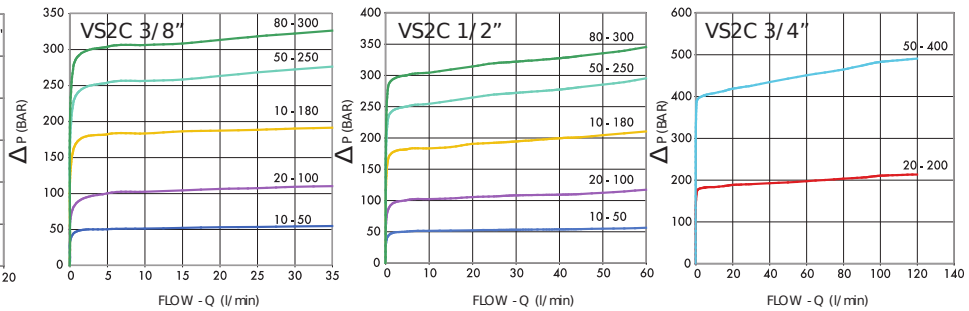
Nume	COD	Debit max. [l/min.]	Presiune max. [bar]	Masa [kg]
VS2C 3/8"	V0640	35	350	1,172
VS2C 1/2"	V0660	70	350	1,130
VS2C 3/4"	V0665	110	400	2,900

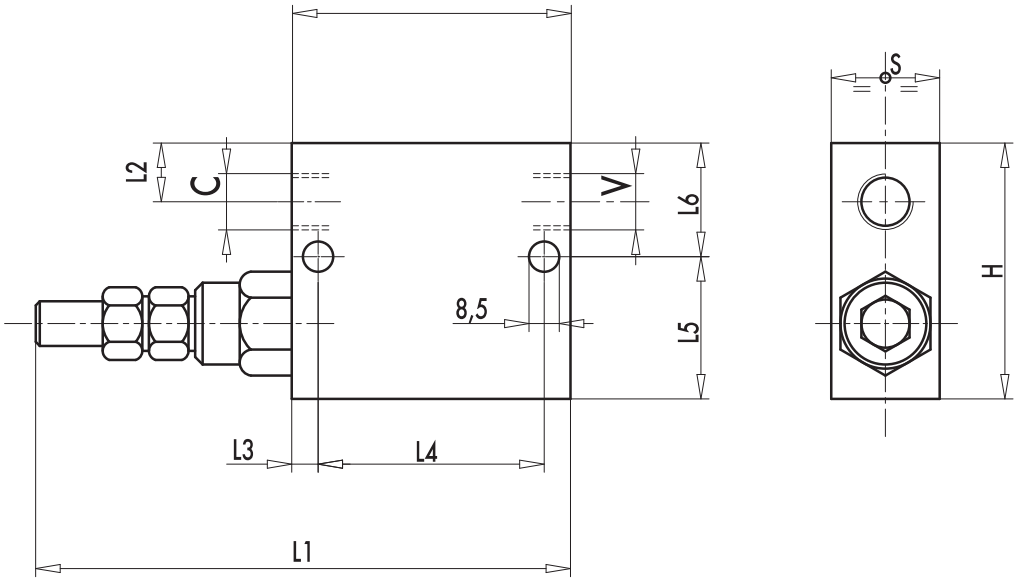
PRESSURE DROPS CURVE



PRESSURE/ FLOW

Oil temperature: 50° C - Oil viscosity: 30 cSt

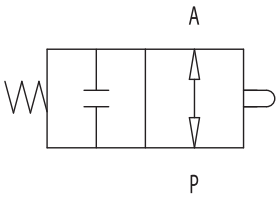




Nume	COD	C - V	L	L1	L2	L3	L4	L5	L6	H	S
VS2C 3/8"	V0640	G 3/8"	74	146	14	7	55	39	31	70	30
VS2C 1/2"	V0660	G 1/2"	80	152	15	7	55	37	33	70	30
VS2C 3/4"	V0665	G 3/4"	100	164	20	10	80	50	50	100	40

Model	Domeniu de reglare [bar]	Variatie presiune [bar / rotatie] Q = 4 l/min.	Setare standard [bar]
VS2C 3/8" , VS2C 1/2"	10 - 50*	7	30
	20 - 100	12	75
	10 – 180 standard	30	90
	50 - 250	45	130
	80 - 300	50	150
VS2C 3/4"	20 - 200	40	160
	50 – 400 standard	80	180

Supapa capat de cursa VF-NA



Functionare:

Este utilizata pentru blocarea curgerii fluidului in circuitul hidraulic. Supapa se inchide mecanic prin apasarea tijei.

Constructie:

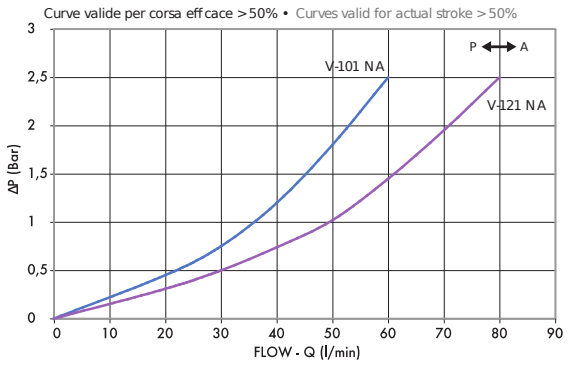
Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

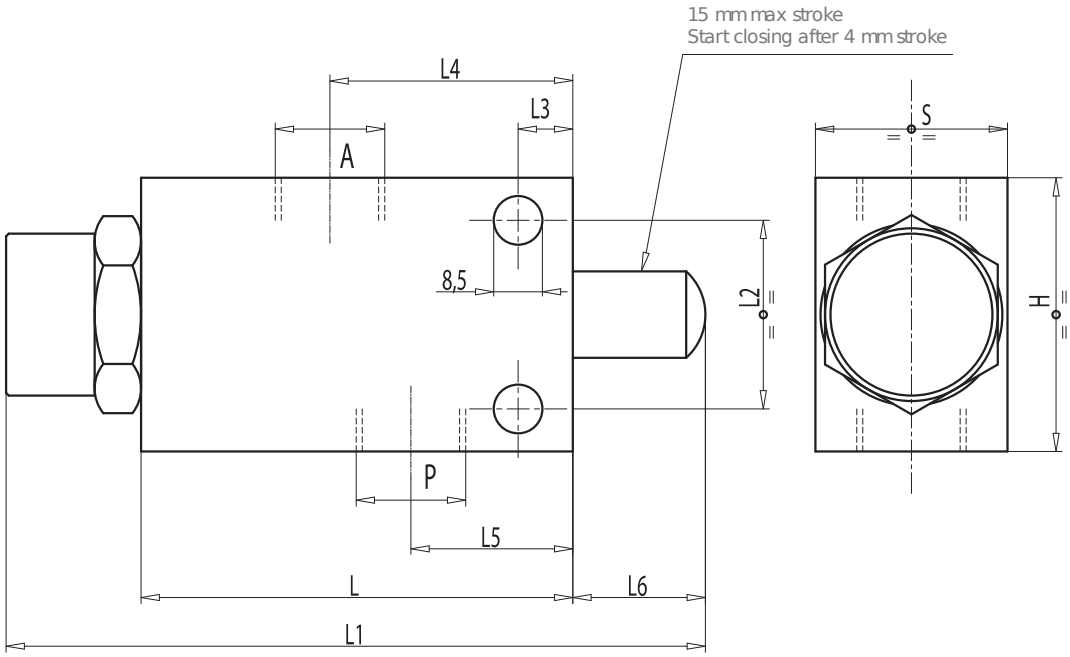
Instalare:

Se conecteaza independent A si P in circuit.

Nume	COD	Debit max. [l/min]	Presiune max. [bar]	Masa [kg]
V-101 3/8" NA	V0817	45	350	1,240
V-101 1/2" NA	V0818	60	350	1,380

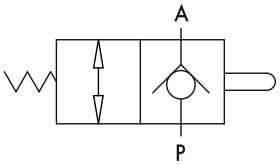
PRESSURE DROPS CURVE
Oil temperature: 50° C - Oil viscosity: 30 cSt





Nume	COD	Conexiune A - P	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	S [mm]
V-101 3/8″ NA	V0817	G 3/8″	80	129	35	8	45	30	24	56	35
V-101 1/2″ NA	V0818	G 1/2″	80	129	35	8	45	30	24	62	35

Supapa capat de cursa VF-NC



Functionare:

Este utilizata pentru blocarea curgerii fluidului in circuitul hidraulic. Supapa se inchide mecanic prin apasarea tijei.

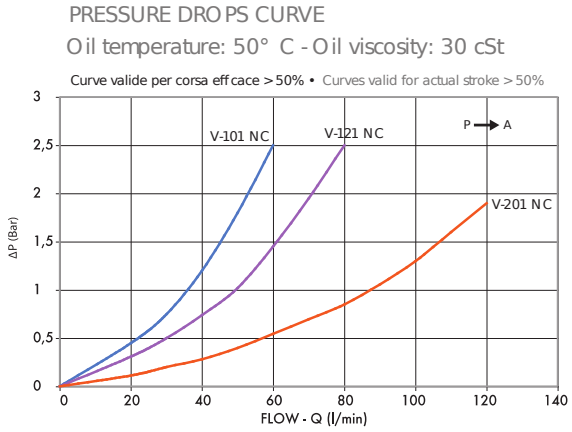
Constructie:

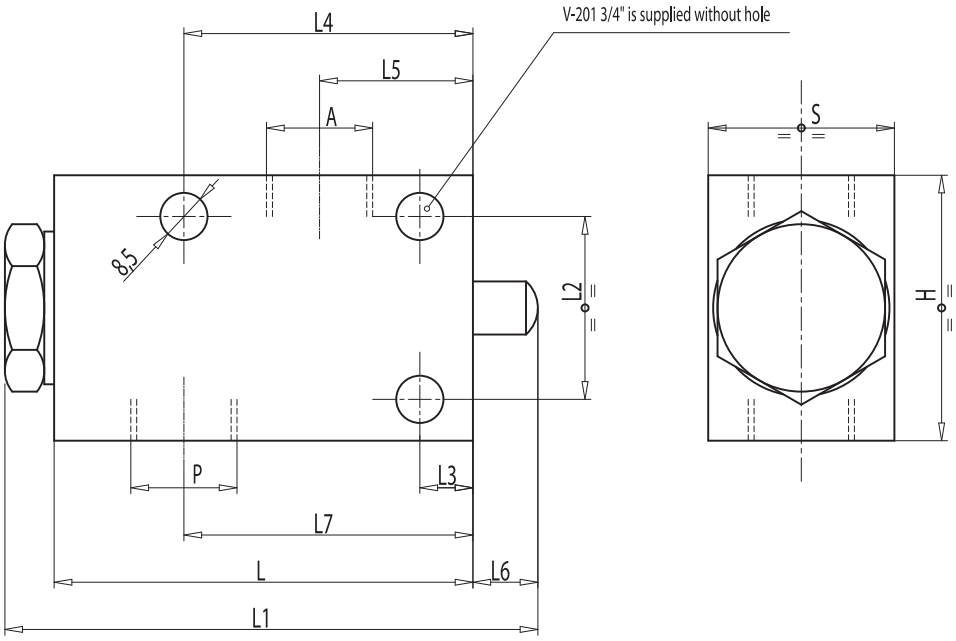
Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

Instalare:

Se conecteaza A la rezervor si P in circuitul de lucru.

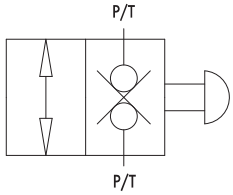
Nume	COD	Debit max. [l/min]	Presiune max. [bar]	Masa [kg]
V-101 3/8" NC	V0827	50	350	0,962
V-121 1/2" NC	V0828	70	350	0,934
V-201 3/4" NC	V0829	100	350	0,860





Nume	COD	Conexiune A - P	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	H [mm]	S [mm]
V-101 3/8″ NC	V0827	G 3/8″	80	105	35	10	55	30	14	55	50	35
V-121 1/2″ NC	V0828	G 1/2″	80	105	35	10	55	28,5	14	55	50	35
V-201 3/4″ NC	V0829	G 3/4″	88	115	50	20	68	23	14	61	70	45

Supapa interupere de urgenta - VEM



Functionare:

Permite curgerea fluidului in instalatia hidraulica in mod normal. Cand butonul de urgenta este apasat fluidul curge de la P la T sau invers. Sunt folosite ca supape de urgenta pentru instalatii de ridicare.

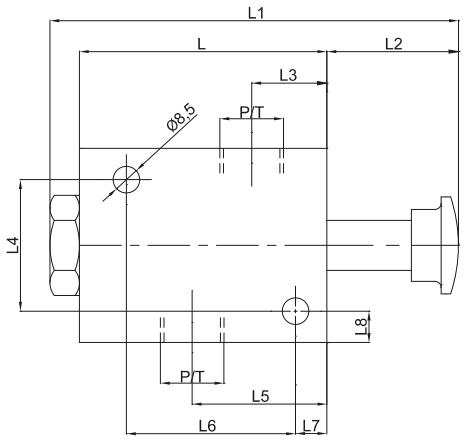
Constructie:

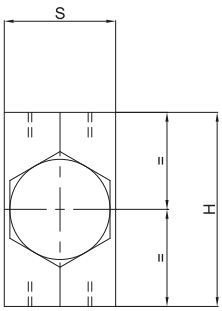
Corp din otel zincat
Componente interne tratate termic.
Etansare: BUNA N

Instalare:

Se conecteaza P si T in circuitul hidraulic. Cand butonul este apasat curgerea este libera, in caz contrar curgerea fluidului este blocata.

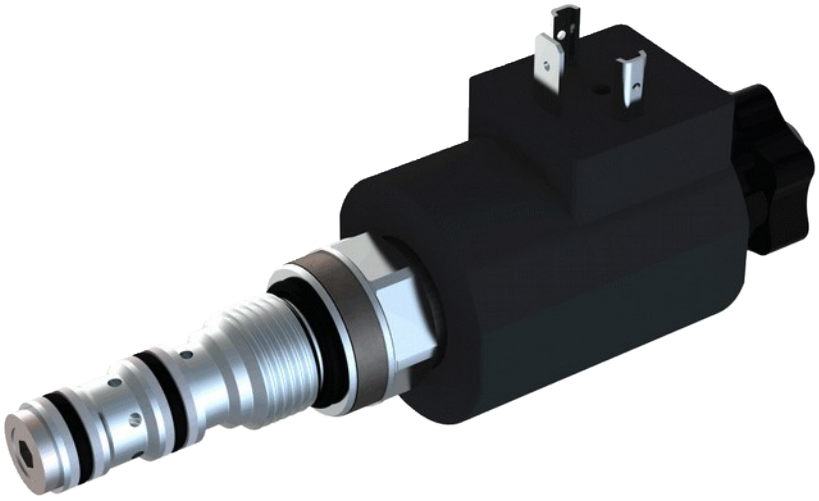
Nume	COD	Debit max. [l/min]	Presiune max. [bar]	Masa [kg]
VEM 1/2"	V1320	70	350	1,220





Nume	COD	Conexiune P/T	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]	H [mm]	S [mm]
VEM 1/2"	V1320	G 1/2"	79	130	42	24	42	43	54	10	10	62	35

Supape hidraulice actionate electric

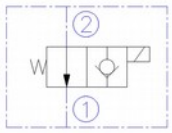
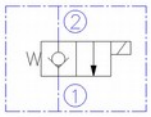
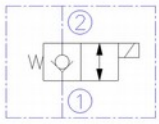
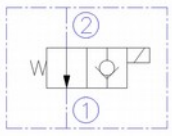
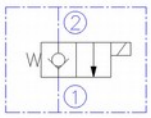


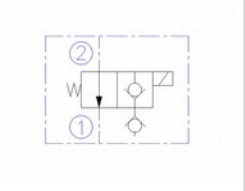
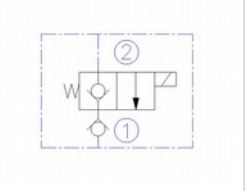
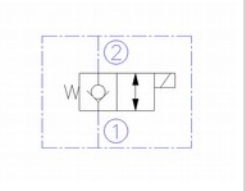
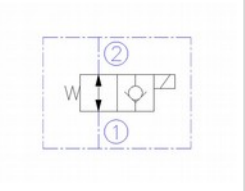
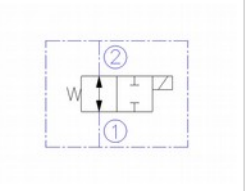
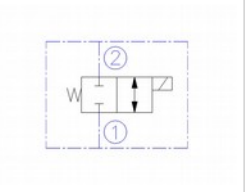
Supape hidraulice tip cartuș, actionate cu solenoid

Caracteristici:

- Temperaturi de lucru in gama -20 °C – +90 °C
- Fluid: uleuri minerale sau sintetice cu vascozitate 7,5 – 420 cSt;
- Grad filtrare: 25 µm sau mai bine;
- Tensiune bobina: 12V DC, 24V DC, 110V AC, 220V AC

Tabel 3: Modele supape

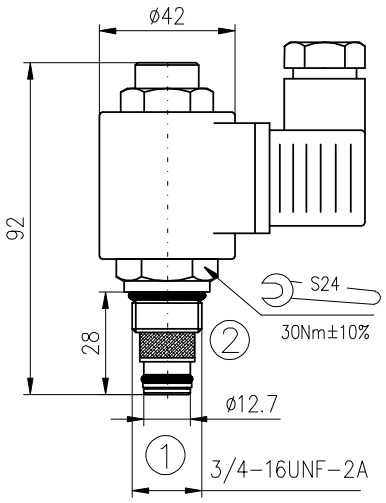
Cod	Schema	Descriere	Q max. [l/min.]	Pmax. [bar]
EV06-2A		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal deschis.	19	250
EV06-2B		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal inchis.	17	250
EV06-2E		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal inchis.	17	250
EV08-2A		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal deschis.	19	250
EV08-2B		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal inchis.	17	250

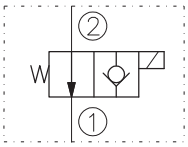
Cod	Schema	Descriere	Q max. [l/min.]	Pmax. [bar]
EV08-2C		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal deschis.	19	250
EV08-2D		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal inchis.	17	250
EV08-2E		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal inchis.	17	250
EV08-2F		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal deschis.	19	250
EV08-2K		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal deschis.	8	250
EV08-2L		Supapa tip cartus, pilotata electric 2/2 cai, circuit normal inchis.	10	250

Supapa tip cartus EV06-2A

01	02	03
EV06 - 2A		

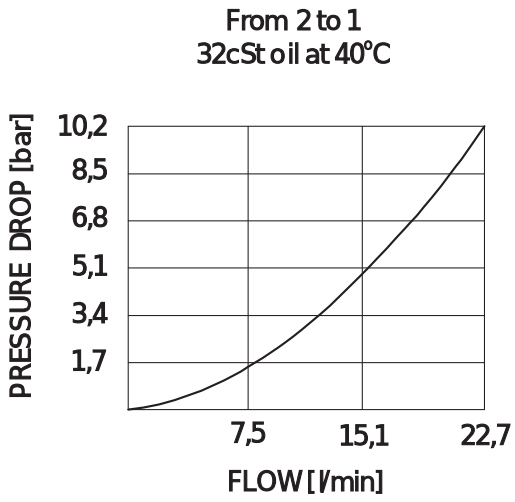
01	Supapa 2/2 cai, SAE 6, comanda electrica		EV06-2A
02	Bobina	fara	0
		12V (DC)	12
		24V (DC)	24
		110V (RAC)	11
		220V (RAC)	22
03	Etansare	Buna N	N
		Viton A	V





Specificatii tehnice:

Ulei mineral	ISO 6743/4 (DIN 51524)
Viscozitate	7,5 – 420 mm^2/s (7,4 – 420 cSt)
Grad filtrare	25 µm sau mai bine
Temperatura fluid	-20 °C +90 °C
Scurgei interne	0,25 cc/min max. @ 250 bar
Presiune de lucru	250 bar

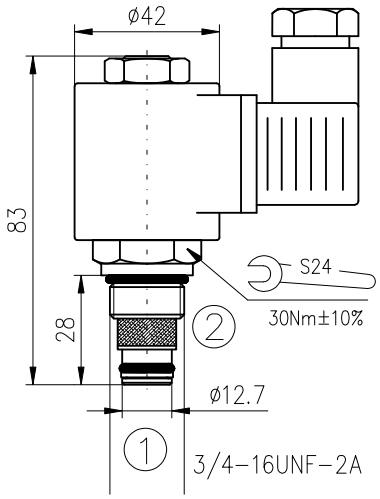


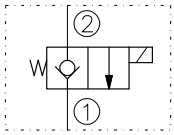
Tip	A	Debit max. l/min	Presiune max. bar	Masa kg	Cuplu strangere Nm	Cavitate
EV06-2A	3/4-16UNF-2A	19	250	0,12	30 ±10%	SAE 6/2

Supapa tip cartus EV06-2B

01	02	03
EV06 - 2B		

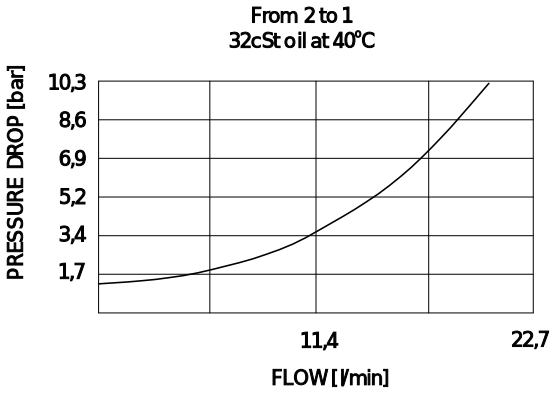
01	Supapa 2/2 cai, SAE 6, comanda electrica		EV06-2B
02	Bobina	fara	0
		12V (DC)	12
		24V (DC)	24
		110V (RAC)	11
		220V (RAC)	22
03	Etansare	Buna N	N
		Viton A	V





Specificatii tehnice:

Ulei mineral	ISO 6743/4 (DIN 51524)
Viscozitate	7,5 – 420 mm²/s (7,4 – 420 cSt)
Grad filtrare	25 µm sau mai bine
Temperatura fluid	-20 °C +90 °C
Scurgei interne	0,25 cc/min max. @ 250 bar
Presiune de lucru	250 bar

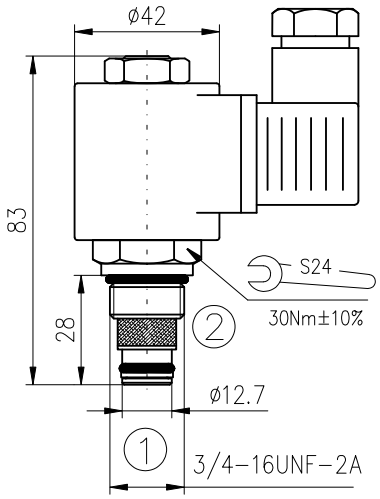


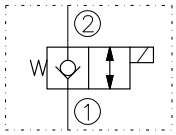
Tip	A	Debit max. l/min	Presiune max. bar	Masa kg	Cuplu strangere Nm	Cavitate
EV06-2B	3/4-16UNF-2A	17	250	0,12	30 ±10%	SAE 6/2

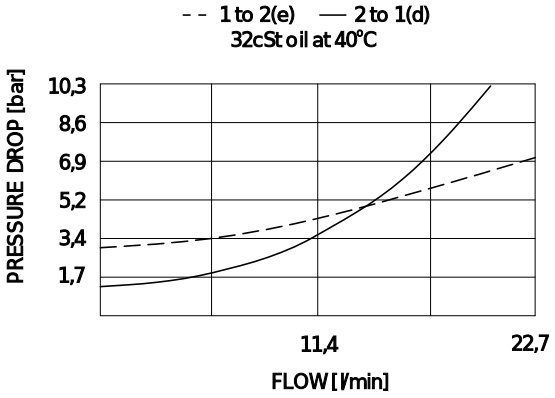
Supapa tip cartus EV06-2E

01	02	03
EV06 - 2E		

01	Supapa 2/2 cai, SAE 6, comanda electrica		EV06-2E
02	Bobina	fara	0
		12V (DC)	12
		24V (DC)	24
		110V (RAC)	11
		220V (RAC)	22
03	Etansare	Buna N	N
		Viton A	V







Specificatii tehnice:

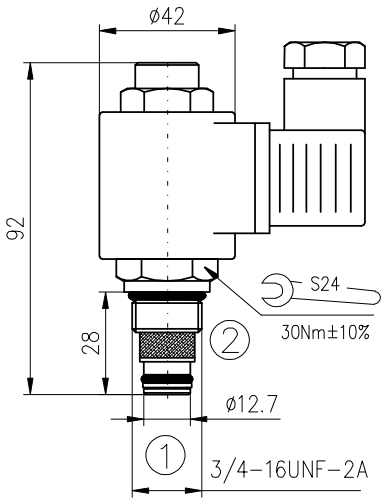
Ulei mineral	ISO 6743/4 (DIN 51524)
Viscozitate	7,5 – 420 mm^2/s (7,4 – 420 cSt)
Grad filtrare	25 µm sau mai bine
Temperatura fluid	-20 °C +90 °C
Scurgei interne	0,25 cc/min max. @ 250 bar
Presiune de lucru	250 bar

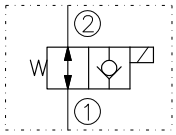
Tip	A	Debit max. l/min	Presiune max. bar	Masa kg	Cuplu strangere Nm	Cavitate
EV06-2E	3/4-16UNF-2A	17	250	0,12	30 ±10%	SAE 6/2

Supapa tip cartus EV06-2F

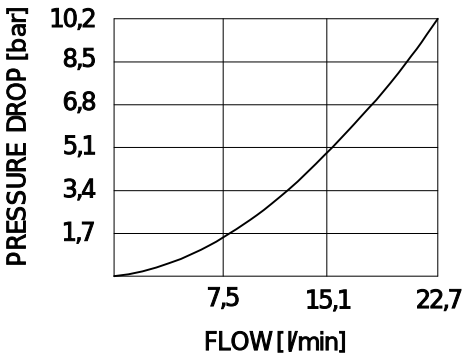
01	02	03
EV06 - 2F		

01	Supapa 2/2 cai, SAE 6, comanda electrica		EV06-2F
02	Bobina	fara	0
		12V (DC)	12
		24V (DC)	24
		110V (RAC)	11
		220V (RAC)	22
03	Etansare	Buna N	N
		Viton A	V





From 2 to 1
32cSt oil at 40°C



Specificatii tehnice:

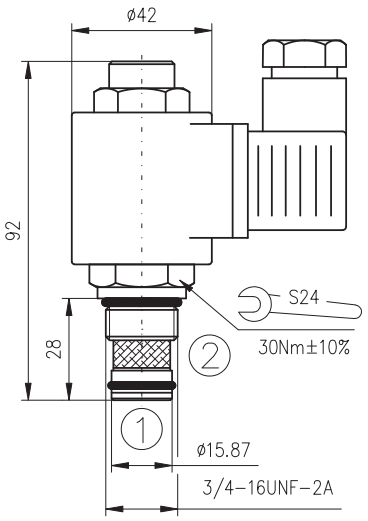
Ulei mineral	ISO 6743/4 (DIN 51524)
Viscozitate	7,5 – 420 mm^2/s (7,4 – 420 cSt)
Grad filtrare	25 µm sau mai bine
Temperatura fluid	-20 °C +90 °C
Scurgei interne	0,25 cc/min max. @ 250 bar
Presiune de lucru	250 bar

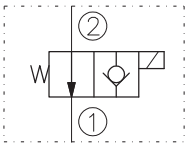
Tip	A	Debit max. l/min	Presiune max. bar	Masa kg	Cuplu strangere Nm	Cavitate
EV06-2F	3/4-16UNF-2A	19	250	0,12	30 ±10%	SAE 6/2

Supapa tip cartus EV08-2A

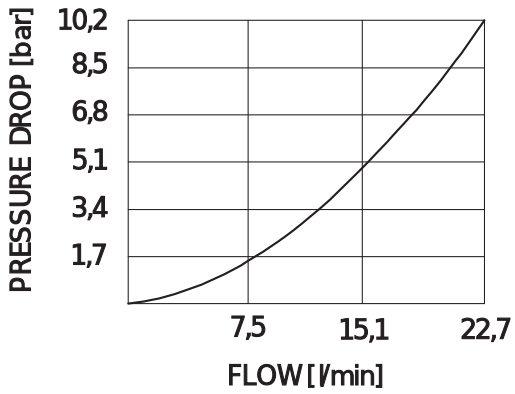
01	02	03
EV08 - 2A		

01	Supapa 2/2 cai, SAE 8, comanda electrica		EV08-2A
02	Bobina	fara	0
		12V (DC)	12
		24V (DC)	24
		110V (RAC)	11
		220V (RAC)	22
03	Etansare	Buna N	N
		Viton A	V





From 2 to 1
32cSt oil at 40°C



Specificatii tehnice:

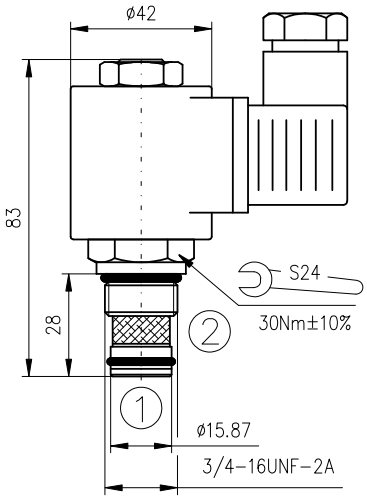
Ulei mineral	ISO 6743/4 (DIN 51524)
Viscozitate	7,5 – 420 mm^2/s (7,4 – 420 cSt)
Grad filtrare	25 µm sau mai bine
Temperatura fluid	-20 °C +90 °C
Scurgei interne	0,25 cc/min max. @ 250 bar
Presiune de lucru	250 bar

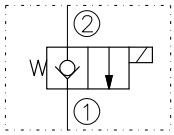
Tip	A	Debit max. l/min	Presiune max. bar	Masa kg	Cuplu strangere Nm	Cavitate
EV08-2A	3/4-16UNF-2A	22,7	250	0,12	30 ±10%	SAE 08/2

Supapa tip cartus EV08-2B

01	02	03
EV08 - 2B		

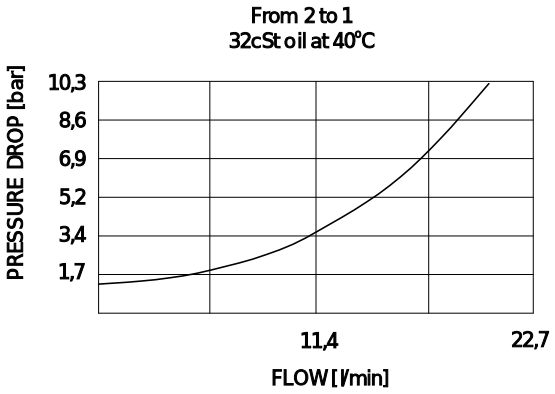
01	Supapa 2/2 cai, SAE 8, comanda electrica		EV08-2B
02	Bobina	fara	0
		12V (DC)	12
		24V (DC)	24
		110V (RAC)	11
		220V (RAC)	22
03	Etansare	Buna N	N
		Viton A	V





Specificatii tehnice:

Ulei mineral	ISO 6743/4 (DIN 51524)
Viscozitate	7,5 – 420 mm²/s (7,4 – 420 cSt)
Grad filtrare	25 µm sau mai bine
Temperatura fluid	-20 °C +90 °C
Scurgei interne	0,25 cc/min max. @ 250 bar
Presiune de lucru	250 bar

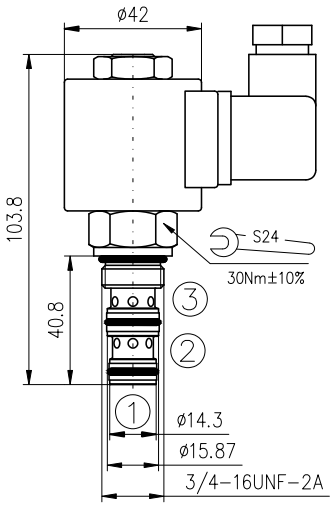


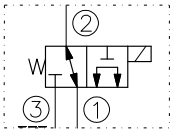
Tip	A	Debit max. l/min	Presiune max. bar	Masa kg	Cuplu strangere Nm	Cavitate
EV08-2B	3/4-16UNF-2A	22,7	250	0,12	30 ±10%	SAE 08/2

Supapa tip cartus EV08-3A

01	02	03
EV08 - 3A		

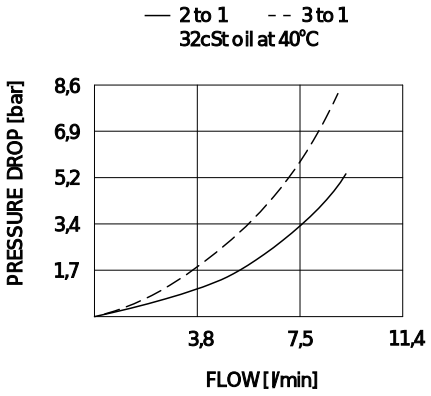
01	Supapa 3/2 cai, SAE 8, comanda electrica		EV08-3A
02	Bobina	fara	0
		12V (DC)	12
		24V (DC)	24
		110V (RAC)	11
		220V (RAC)	22
03	Etansare	Buna N	N
		Viton A	V





Specificatii tehnice:

Ulei mineral	ISO 6743/4 (DIN 51524)
Viscozitate	7,5 – 420 mm²/s (7,4 – 420 cSt)
Grad filtrare	25 µm sau mai bine
Temperatura fluid	-20 °C +90 °C
Scurgei interne	82 cc/min max. @ 210 bar
Presiune de lucru	210 bar

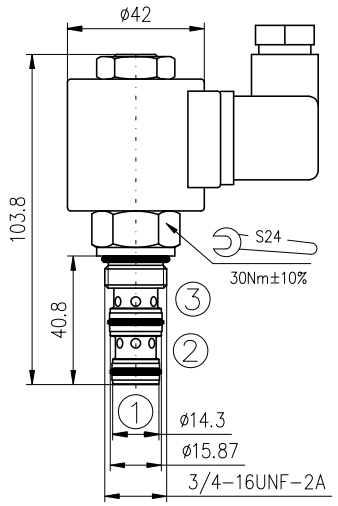


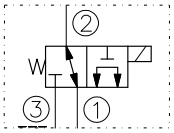
Tip	A	Debit max. l/min	Presiune max. bar	Masa kg	Cuplu strangere Nm	Cavitate
EV08-3A	3/4-16UNF-2A	8	210	0,12	30 ±10%	SAE 08/3

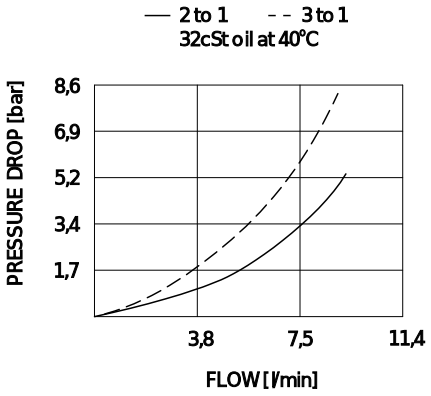
Supapa tip cartus EV08-3C

01	02	03
EV08 - 3C		

01	Supapa 3/2 cai, SAE 8, comanda electrica		EV08-3C
02	Bobina	fara	0
		12V (DC)	12
		24V (DC)	24
		110V (RAC)	11
		220V (RAC)	22
03	Etansare	Buna N	N
		Viton A	V







Specificatii tehnice:

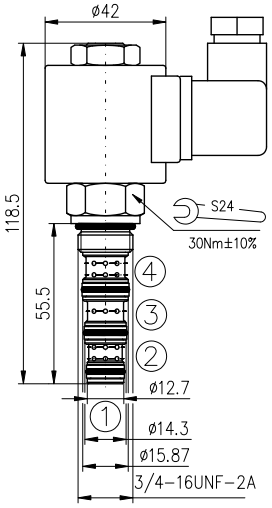
Ulei mineral	ISO 6743/4 (DIN 51524)
Viscozitate	7,5 – 420 mm^2/s (7,4 – 420 cSt)
Grad filtrare	25 µm sau mai bine
Temperatura fluid	-20 °C +90 °C
Scurgei interne	82 cc/min max. @ 210 bar
Presiune de lucru	210 bar

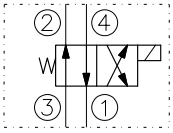
Tip	A	Debit max. l/min	Presiune max. bar	Masa kg	Cuplu strangere Nm	Cavitate
EV08-3C	3/4-16UNF-2A	8	210	0,12	30 ±10%	SAE 08/3

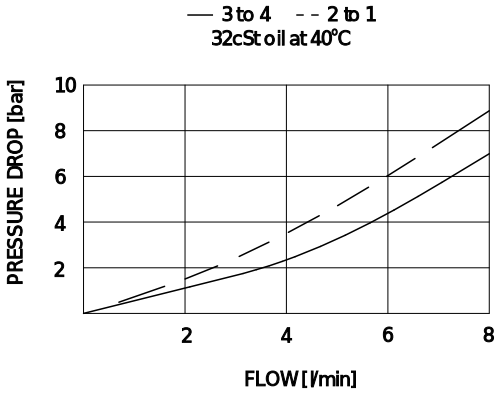
Supapa tip cartus EV08-4A

01	02	03
EV08 - 4A		

01	Supapa 3/2 cai, SAE 8, comanda electrica		EV08-4A
02	Bobina	fara	0
		12V (DC)	12
		24V (DC)	24
		110V (RAC)	11
		220V (RAC)	22
03	Etansare	Buna N	N
		Viton A	V







Specificatii tehnice:

Ulei mineral	ISO 6743/4 (DIN 51524)
Viscozitate	7,5 – 420 mm^2/s (7,4 – 420 cSt)
Grad filtrare	25 µm sau mai bine
Temperatura fluid	-20 °C +90 °C
Scurgei interne	82 cc/min max. @ 210 bar
Presiune de lucru	210 bar

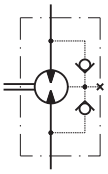
Tip	A	Debit max. l/min	Presiune max. bar	Masa kg	Cuplu strangere Nm	Cavitate
EV08-4A	3/4-16UNF-2A	8	210	0,12	30 ±10%	SAE 08/4

Motare hidraulice orbitale

Motoare hidraulice orbitale – seria MM

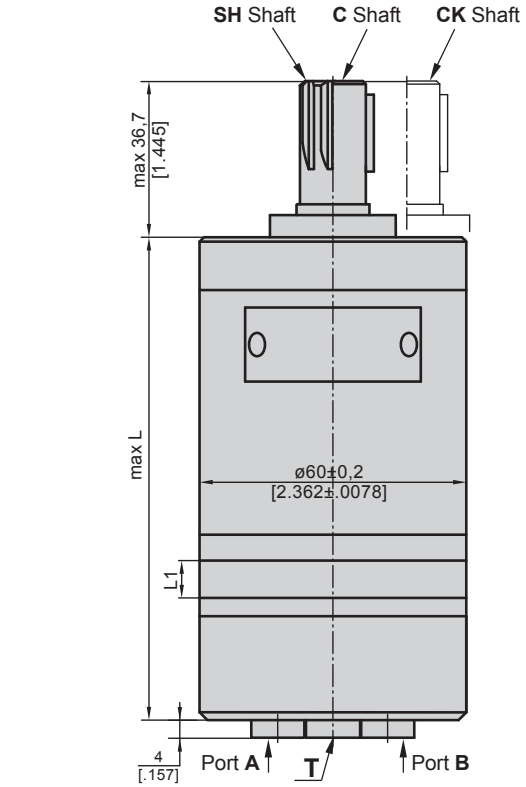
Carateristici:

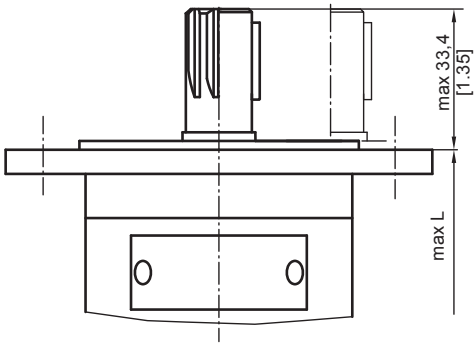
- volum geometric: pana la 50 cc;
- fluid hidraulic: HLP (DIN51524) sau HM (ISO 6743/4);
- domeniu temperaturi de lucru: - 40°C - +140°C ;
- filtrare fluid: min. 25 µm.

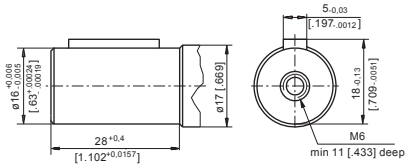


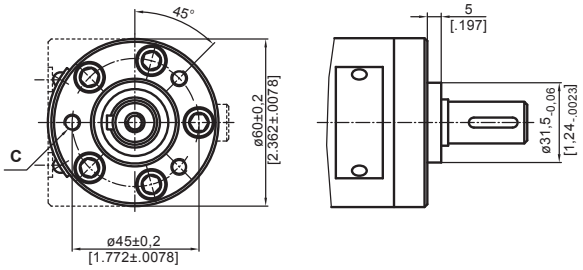
Motor	Debit max. [l/min]		Turatie max. [rpm]		Putere max. [kW]		Cuplu min. la pornire [daNm]	Presiune intrare max. [bar]			Diferenta presiune max. [bar]			Cuplu max. [daNm]		
	cont.	int.	cont.	int.	cont.	int.		cont.	int.	varf	cont.	int.	varf	cont.	int.	varf
MM 8	16	20	1950	2450	1,8	2,6	0,7	140	175	225	100	140	200	1,1	1,5	2,1
MM 12.5	20	25	1550	1940	2,4	3,2	1,2	140	175	225	100	140	200	1,6	2,3	3,3
MM 20	20	25	1000	1250	2,4	3,2	2,1	140	175	225	100	140	200	2,5	3,5	5,1
MM 32	20	25	630	800	2,4	3,2	3,4	140	175	225	100	140	160	4,0	5,7	6,4
MM 40	20	25	500	630	2,2	3,2	3,8	140	175	225	90	140	160	4,5	7,0	8,2
MM 50	20	25	400	500	1,8	3,2	4,1	140	175	225	70	140	160	4,6	8,8	10,0

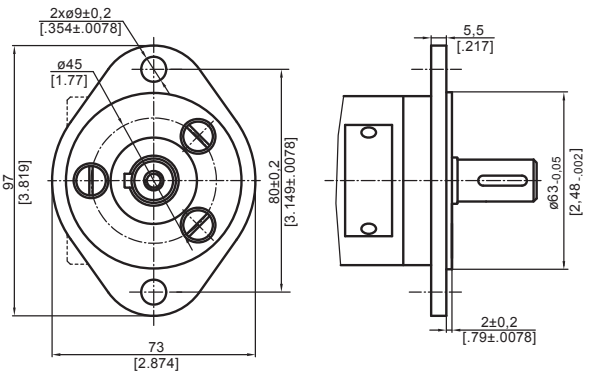
Motor	Volum geometric [cc]	Ø arbore [mm]	max. L	P $_{A,B}$	T	Masa [kg]
MM 8	8,2	16	104	G 3/8″	G 1/8″	1,9
MM 12.5	12,5	16	106	G 3/8″	G 1/8″	2,0
MM 20	19,9	16	109	G 3/8″	G 1/8″	2,1
MM 32	31,6	16	114	G 3/8″	G 1/8″	2,2
MM 40	39,8	16	117,5	G 3/8″	G 1/8″	2,3
MM 50	50	16	12,5	G 3/8″	G 1/8″	2,5

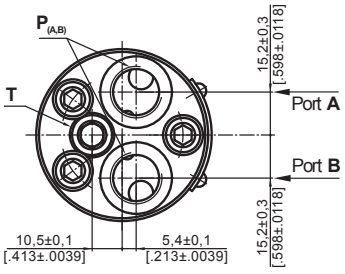

SH Shaft
C Shaft
CK Shaft
max 36,7
[1.445]
max L
ø60±0,2
[2.362±.0078]
L1
4
[.157]
Port A
T
Port B

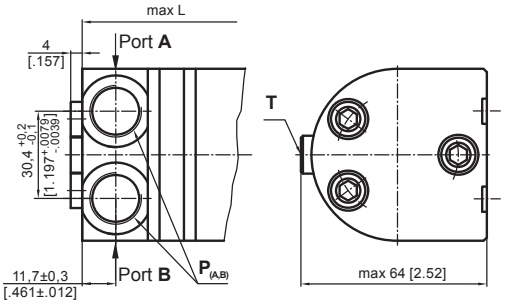

max 33,4
[1.35]
max L

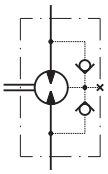

ø17 [.669]
M6
min 11 [.433] deep


45°
C
ø60±0,2
[2.362±.0078]
ø45±0,2
[1.772±.0078]
5
[.197]


2xø9±0,2
[.354±.0078]
ø45
[1.77]
97
[3.819]
80±0,2
[3.149±.0078]
73
[2.874]
5,5
[.217]
2±0,2
[.79±.0078]


T
Port A
Port B
10,5±0,1
[.413±.0039]
5,4±0,1
[.213±.0039]
15,2±0,3
[.598±.0118]


max L
4
[.157]
Port A
Port B
11,7±0,3
[.461±.012]
T
max 64 [2.52]

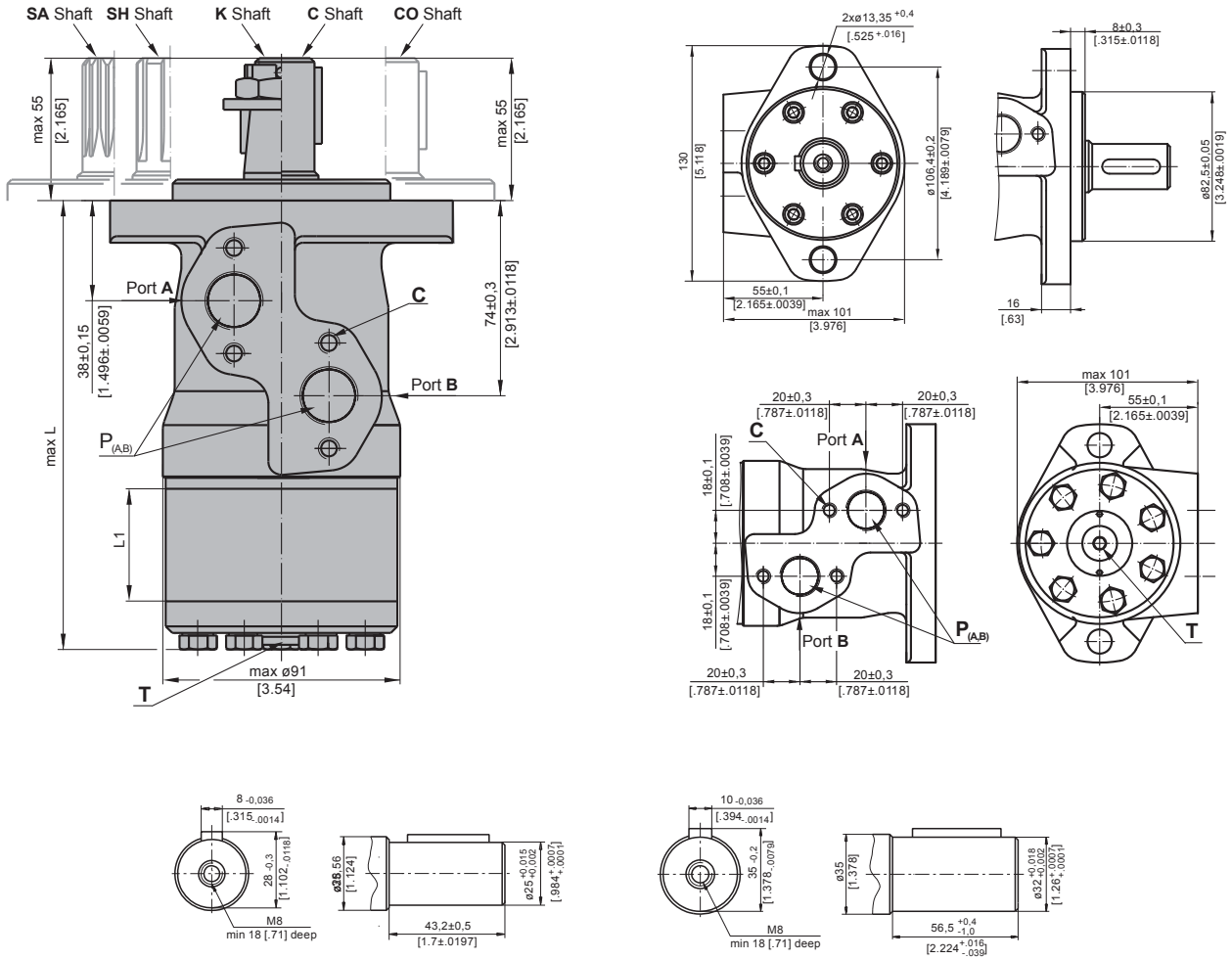


Motoare hidraulice orbitale – seria MP

Carateristici:

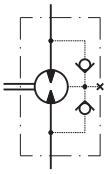
- volum geometric: pana la 623,6 cc;
- fluid hidraulic: HLP (DIN51524) sau HM (ISO 6743/4);
- domeniu temperaturi de lucru: - 40°C - +140°C ;
- filtrare fluid: min. 25 µm.
- cuplu maxim in regim continuu: 500 Nm;
- putere maxima la iesire: 12,8 kW;
- debit maxim: 75 l/min;
- viteza minima: 10 rpm

Motor	Debit max. [l/min]		Turatie max. [rpm]		Putere max. [kW]		Cuplu min. la pornire [daNm]	Presiune intrare max. [bar]			Diferenta presiune max. [bar]			Cuplu max. [daNm]		
	cont.	int.	cont.	int.	cont.	int.		cont.	int.	varf	cont.	int.	varf	cont.	int.	varf
MP 25	40	45	1408	1584	4,5	6,1	3,0	175	200	225	100	140	225	3,3	4,7	6,7
MP 32	50	55	1450	1594	5,8	7,8	4,0	175	200	225	100	140	225	4,3	6,1	8,6
MP 40	60	70	1480	1555	8,4	11,6	5,4	175	200	225	120	155	225	6,2	8,2	10,7
MP 50	60	75	1210	1515	10,1	12,2	7,8	175	200	225	140	175	225	9,4	11,9	14,3
MP80	60	75	755	945	10,2	12,5	13,2	175	200	225	140	175	225	15,1	19,5	22,4
MP 100	60	75	605	755	10,5	12,8	16,6	175	200	225	140	175	225	19,3	23,7	27,5
MP 125	60	75	486	605	10,2	12	20,7	175	200	225	140	175	225	23,7	29,8	36,5
MP 160	60	75	378	472	10,1	12,1	28,2	175	200	225	140	175	225	31,3	37,8	43,8
MP 200	60	75	303	378	10	12	33,5	175	200	225	140	175	225	36,6	45,6	55
MP 250	60	75	242	303	7,5	12	33,6	175	200	225	110	175	225	38	58,3	68,5
MP 315	60	75	190	236	5,8	9	34,4	175	200	225	90	140	225	38	56	85
MP 400	60	75	150	189	4,6	7,8	34,5	175	200	225	70	115	180	36	59	85,4
MP 500	60	75	120	150	3,5	7,2	36	140	175	225	60	90	130	39	57	78
MP 630	60	75	95	120	3,3	5,6	41,5	140	175	225	55	80	110	44	64	82



Motor	Volum geometric [cc]	Ø arbore [mm]	max. L	P A,B	T	Masa [kg]
MP 25	28,4	25	134	G 1/2″	G 1/4″	5,6
MP 32	34,5	25	135	G 1/2″	G 1/4″	5,6
MP 40	40,5	25	136,5	G 1/2″	G 1/4″	5,7
MP 50	49,5	25	135,5	G 1/2″	G 1/4″	5,8
MP80	79,2	25	139,5	G 1/2″	G 1/4″	5,9
MP 100	99	25	142	G 1/2″	G 1/4″	6,1
MP 125	123,8	25	145,5	G 1/2″	G 1/4″	6,2
MP 160	158,4	25 / 32	150	G 1/2″	G 1/4″	6,4
MP 200	198	25 / 32	155,5	G 1/2″	G 1/4″	6,6
MP 250	247,5	25 / 32	162	G 1/2″	G 1/4″	6,8

MP 315	316,8	25 / 32	171,5	G 1/2"	G 1/4"	7,1
MP 400	396	32	182	G 1/2"	G 1/4"	7,6
MP 500	495	32	195,5	G 1/2"	G 1/4"	8,9
MP 630	623,6	32	213	G 1/2"	G 1/4"	9,5

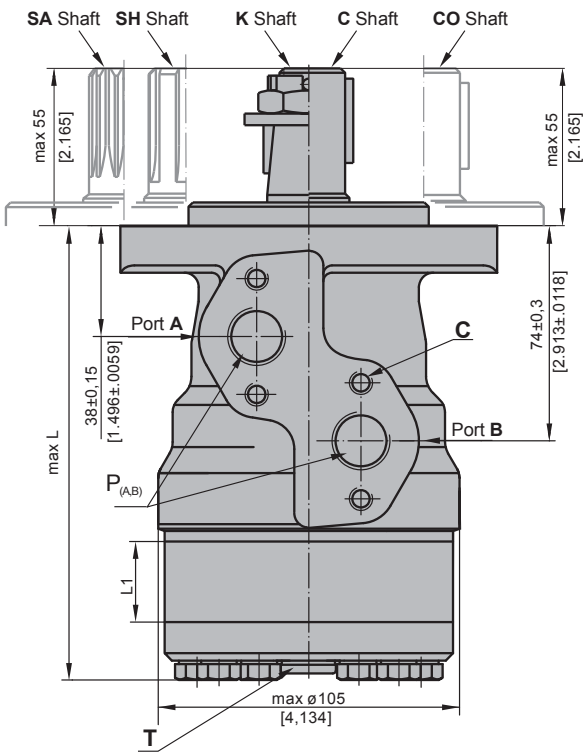


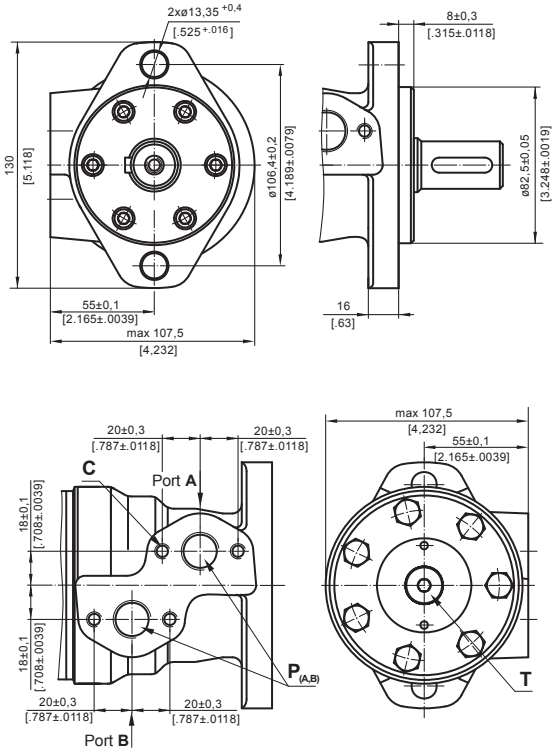
Motoare hidraulice orbitale – seria MR

Carateristici:

- volum geometric: pana la 397 cc;
- fluid hidraulic: HLP (DIN51524) sau HM (ISO 6743/4);
- domeniu temperaturi de lucru: - 40°C - +140°C ;
- filtrare fluid: min. 25 µm.
- cuplu maxim in regim continuu: 610 Nm;
- putere maxima la iesire: 15 kW;
- debit maxim: 75 l/min;
- viteza minima: 10 rpm

Motor	Debit max. [l/min]		Turatie max. [rpm]		Putere max. [kW]		Cuplu min. la pornire [daNm]	Presiune intrare max. [bar]			Diferenta presiune max. [bar]			Cuplu max. [daNm]		
	cont.	int.	cont.	int.	cont.	int.		cont.	int.	varf	cont.	int.	varf	cont.	int.	varf
MR 50	40	50	775	970	7	8,5	8	175	200	225	140	175	225	10	13	17
MR 80	60	75	750	940	12,5	15	15	175	200	225	175	200	225	20	22	27
MR 100	60	75	600	750	13	15	20	175	200	225	175	200	225	24	28	32
MR 125	60	75	475	600	12,5	14,5	25	175	200	225	175	200	225	30	34	37
MR 160	60	75	375	470	11,5	14	32	175	200	225	175	200	225	39	43	46
MR 200	60	75	300	375	9	12	33	175	200	225	140	175	225	38,5	46	56
MR 250	60	75	240	300	8	9,5	31	175	200	225	110	140	200	39	47	60
MR 315	60	75	190	240	5	8	31,5	175	200	225	85	115	150	36	47	61
MR 400	60	75	150	190	4,8	6,8	31,5	175	200	225	65	90	115	38	47	61



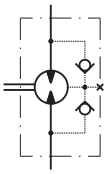


Motor	Volum geometric [cc]	Ø arbore [mm]	max. L	P A,B	T	Masa [kg]
MR 50	51,5	25	138	G 1/2″	G 1/4″	6,9
MR 80	80,3	25	143	G 1/2″	G 1/4″	7
MR 100	99,8	25	146	G 1/2″	G 1/4″	7,3
MR 125	125,7	25	150,5	G 1/2″	G 1/4″	7,4
MR 160	159,6	25 / 32	156,5	G 1/2″	G 1/4″	7,6
MR 200	199,8	25 / 32	163,5	G 1/2″	G 1/4″	8,1
MR 250	250,1	25 / 32	172	G 1/2″	G 1/4″	8,5
MR 315	315,7	32	183	G 1/2″	G 1/4″	9,2
MR 400	397	32	198	G 1/2″	G 1/4″	9,9

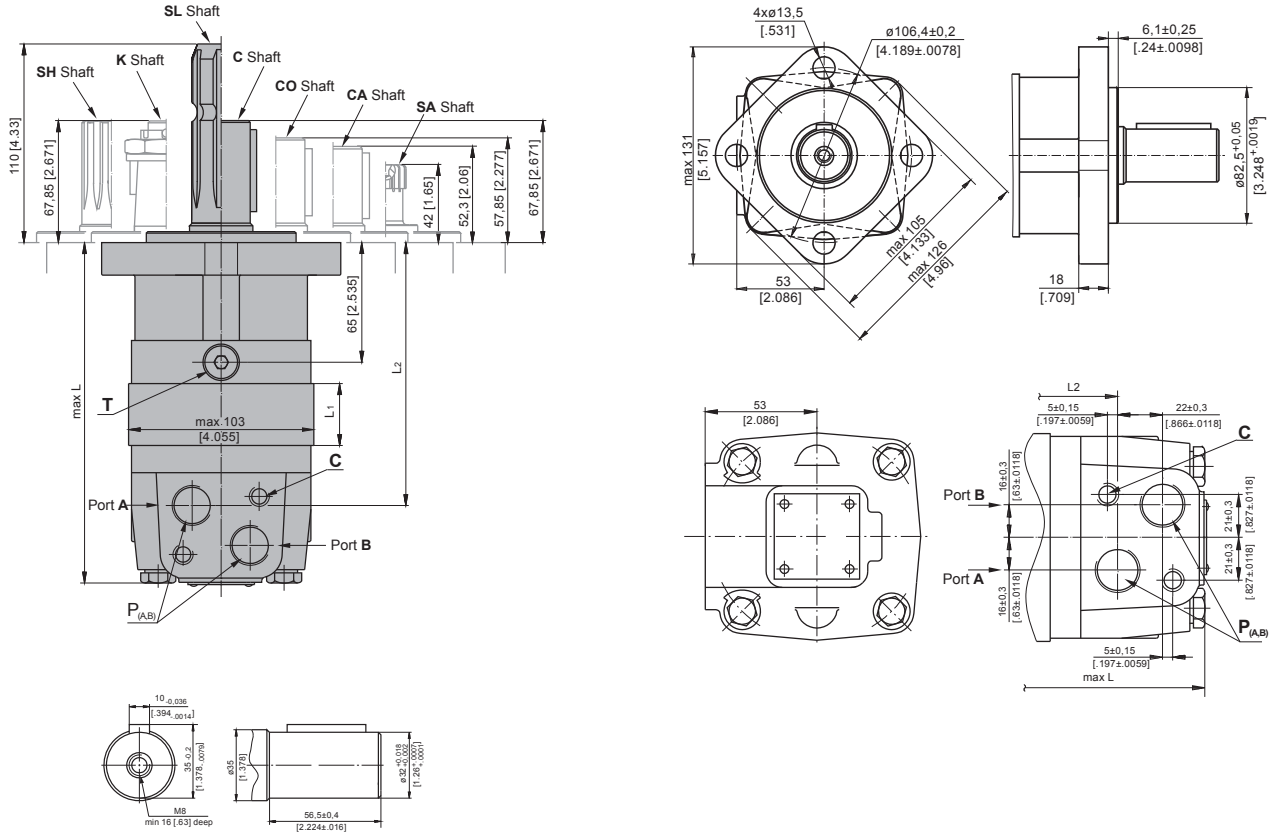
Motoare hidraulice orbitale – seria MS

Carateristici:

- volum geometric: pana la 564,9 cc;
- fluid hidraulic: HLP (DIN51524) sau HM (ISO 6743/4);
- domeniu temperaturi de lucru: - 40°C - +140°C ;
- filtrare fluid: min. 25 µm.
- cuplu maxim in regim continuu: 850 Nm;
- putere maxima la iesire: 23 kW;
- debit maxim: 90 l/min;
- viteza minima: 5 rpm



Motor	Debit max. [l/min]		Turatie max. [rpm]		Putere max. [kW]		Cuplu min. la pornire [daNm]	Presiune intrare max. [bar]			Diferenta presiune max. [bar]			Cuplu max. [daNm]	
	cont.	int.	cont.	int.	cont.	int.		cont.	int.	varf	cont.	int.	varf	cont.	int.
MS 80	65	80	810	1000	15,5	19,5	18	230	295	300	210	275	295	24	31
MS 100	75	90	750	900	18	22,8	23	230	295	300	210	275	295	30,5	39
MS 125	75	90	600	720	18	22,5	29	230	295	300	210	275	295	37,5	49
MS 160	75	90	470	560	16,5	23	37	230	295	300	210	275	295	49	60
MS 200	75	90	375	450	16,5	22	47	230	295	300	210	275	295	61	72
MS 250	75	90	300	360	14,5	18	56	230	295	300	200	250	270	72	87
MS 315	75	90	240	290	15	17	71	230	295	300	200	240	260	82,5	100
MS 400	75	90	190	230	11	12,5	71	230	295	300	160	190	210	86,5	99
MS 475	75	90	160	190	8,4	11,3	71	230	295	300	130	150	170	85	99
MS 525	75	90	145	175	7,6	10,4	71	230	295	300	115	135	155	85	99
MS 565	75	90	130	160	6,9	9,6	71	230	295	300	105	125	145	85	99



Motor	Volum geometric [cc]	Ø arbore [mm]	max. L	P A,B	T	Masa [kg]
MS 80	80,5	32	168	G 1/2″	G 1/4″	9,9
MS 100	100	32	171	G 1/2″	G 1/4″	10,1
MS 125	125,7	32	176	G 1/2″	G 1/4″	10,4
MS 160	159,7	32	182	G 1/2″	G 1/4″	10,8
MS 200	200	32	189	G 1/2″	G 1/4″	11,2
MS 250	250	32	197	G 1/2″	G 1/4″	11,7
MS 315	314,9	32	209	G 1/2″	G 1/4″	124
MS 400	397	32	223	G 1/2″	G 1/4″	13,1
MS 475	474,6	32	237	G 1/2″	G 1/4″	14,1
MS 525	522,7	32	229	G 1/2″	G 1/4″	14,6
MS 565	564,9	32	235	G 1/2″	G 1/4″	15

Filtre hidraulice

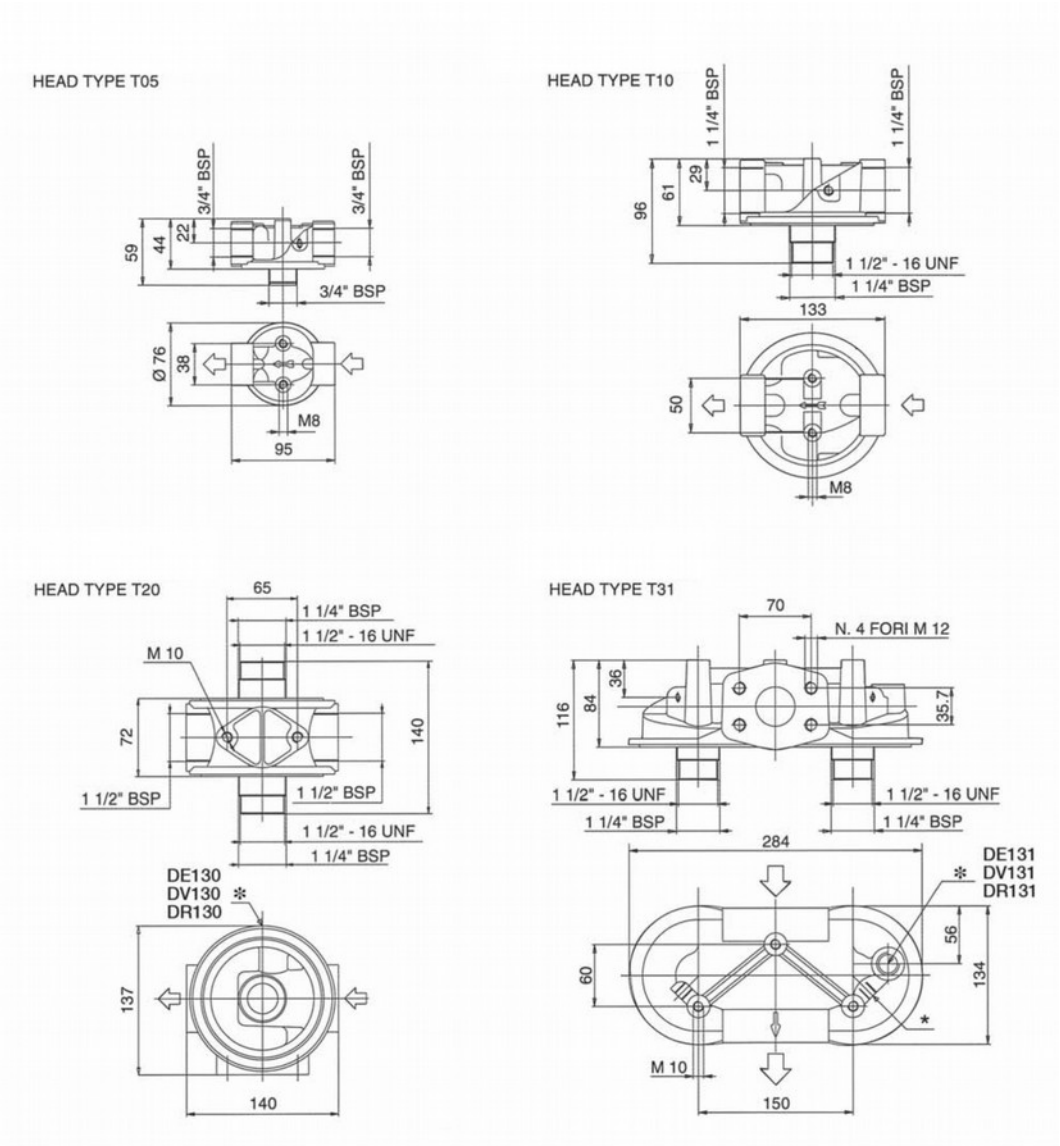
Filtre hidraulice tip cartus - OMTI

Carateristici:

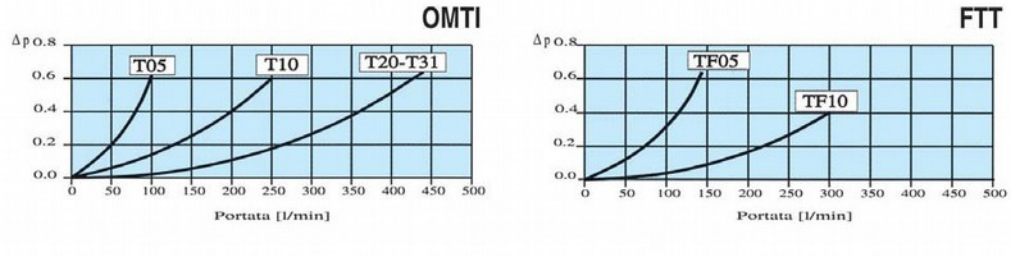
- presiune maxima de lucru: 10 bar;
- prsiune maxima test: 18 bar;
- capac din aluminiu turnat - UNI 5076;
- supapa de by-pass pe absorbtie cu presiunea de deschidere: 0,25 bar ± 10%;
- supapa de by-pass pe retur cu presiunea de deschidere: 1,7 bar ± 10%;
- domeniu temperaturi de lucru: - 25°C - +95°C ;
- fluide compatibile: conform ISO 2943

Tip filtru	Gabarit	Racord	Grad filtrare		Etansare		Supapa by-pass	
Absorbtie								
OMTI	05	3/4"	A	10 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	A	0,25 bar
OMTI	05	3/4"	B	25 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	A	0,25 bar
OMTI	05	3/4"	C	60 µm – tresa metalica inox (Aisi 304)	N	Buna - N	A	0,25 bar
OMTI	10	1 1/4"	A	10 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	A	0,25 bar
OMTI	10	1 1/4"	B	25 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	A	0,25 bar
OMTI	10	1 1/4"	C	60 µm – tresa metalica inox (Aisi 304)	N	Buna - N	A	0,25 bar
OMTI	15	1 1/4"	A	10 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	A	0,25 bar
OMTI	15	1 1/4"	B	25 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	A	0,25 bar
OMTI	15	1 1/4"	C	60 µm – tresa metalica inox (Aisi 304)	N	Buna - N	A	0,25 bar
Retur								
OMTI	05	3/4"	A	10 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	R	1,7 bar
OMTI	05	3/4"	B	25 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	R	1,7 bar
OMTI	05	3/4"	C	60 µm – tresa metalica inox (Aisi 304)	N	Buna - N	R	1,7 bar
OMTI	10	1 1/4"	A	10 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	R	1,7 bar

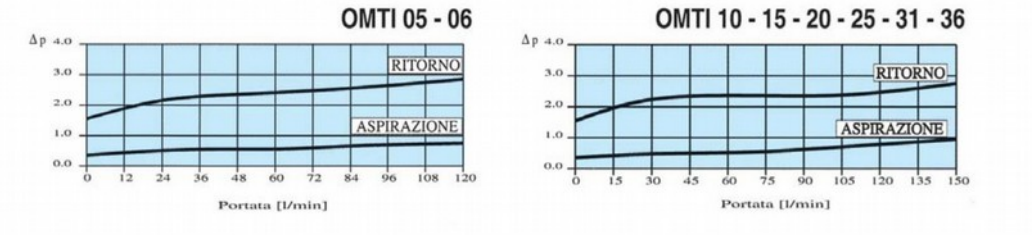
Tip filtru	Gabarit	Racord	Grad filtrare		Etansare		Supapa by-pass	
OMTI	10	1 1/4"	B	25 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	R	1,7 bar
OMTI	10	1 1/4"	C	60 µm – tresa metalica inox (Aisi 304)	N	Buna - N	R	1,7 bar
OMTI	15	1 1/4"	A	10 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	R	1,7 bar
OMTI	15	1 1/4"	B	25 µm – hartie impregnata cu rasini βx ≥ 2	N	Buna - N	R	1,7 bar
OMTI	15	1 1/4"	C	60 µm – tresa metalica inox (Aisi 304)	N	Buna - N	R	1,7 bar



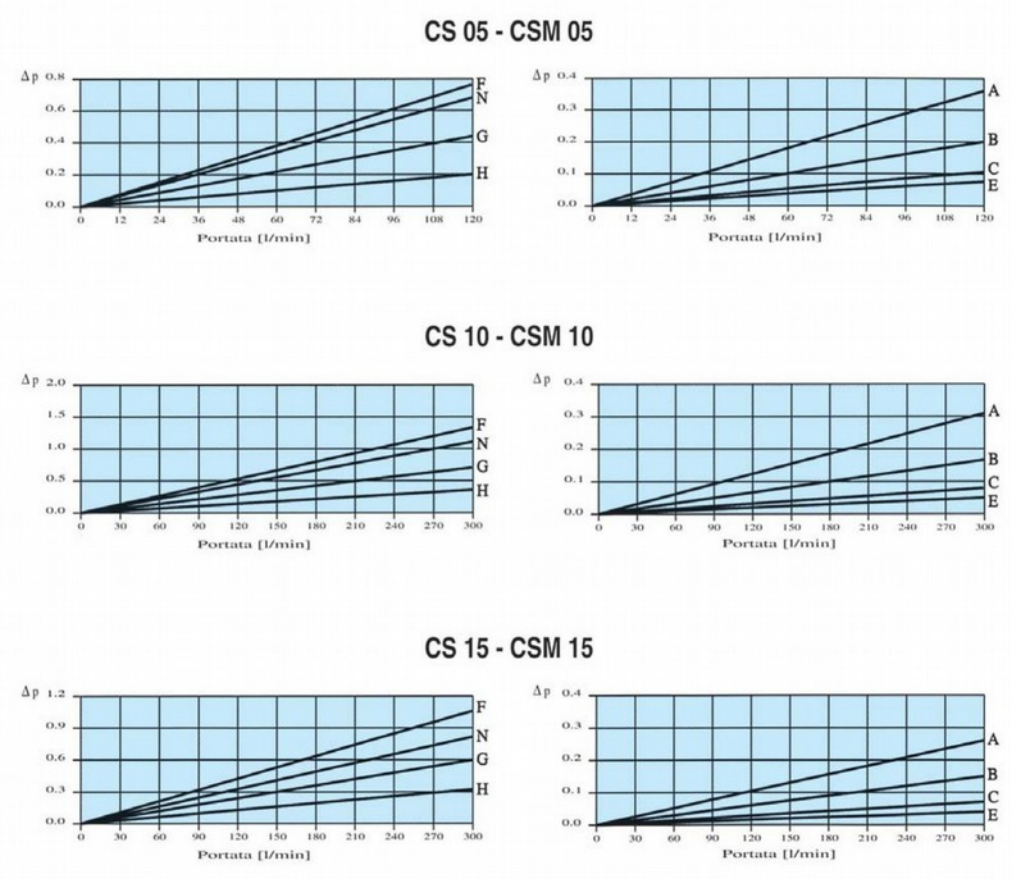
Caderea de presiune in capacul filtrului



Caderea de presiune in supapa de by-pass



Caderea de presiune in cartusul filtrant



Filtre hidraulice de retur - OMTF

Carateristici:

- presiune maxima de lucru: 8 bar;
- capac din aluminiu turnat - UNI 5076;
- corp din plastic intarit cu fibra de sticla;
- supapa de by-pass pe retur cu presiunea de deschidere: 1,7 bar ± 10%;
- domeniu temperaturi de lucru: - 25°C - +110°C ;
- fluide compatibile: conform ISO 6743/4

OMTF 11 2 F03 N A 2

Gabarit	Lungime
09	1
11	1;2;3
17	1
22	1;2;3;4

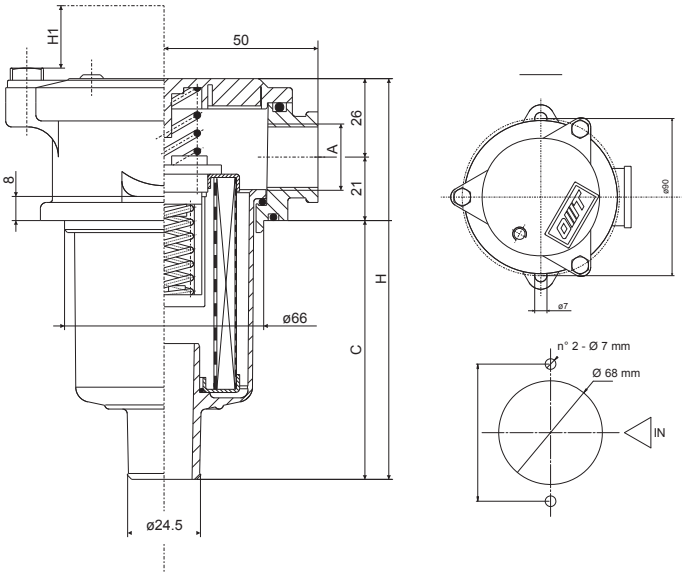
Element filtrant	
-	Fara element filtrant
C10	Hartie impregnata cu rasini
C25	Hartie impregnata cu rasini
F03	Fibre anorganice
F06	Fibre anorganice
F10	Fibre anorganice
F25	Fibre anorganice
R60	Tresa otel (Aisi 304)
R90	Tresa otel (Aisi 304)

Etansare	
N	Buna - N

Conexiune indicator	
A	Conexiune 1/4" BSP
B	Conexiune 1/4" NPT

Supapa by-pass	
R	By-pass 1,7 bar

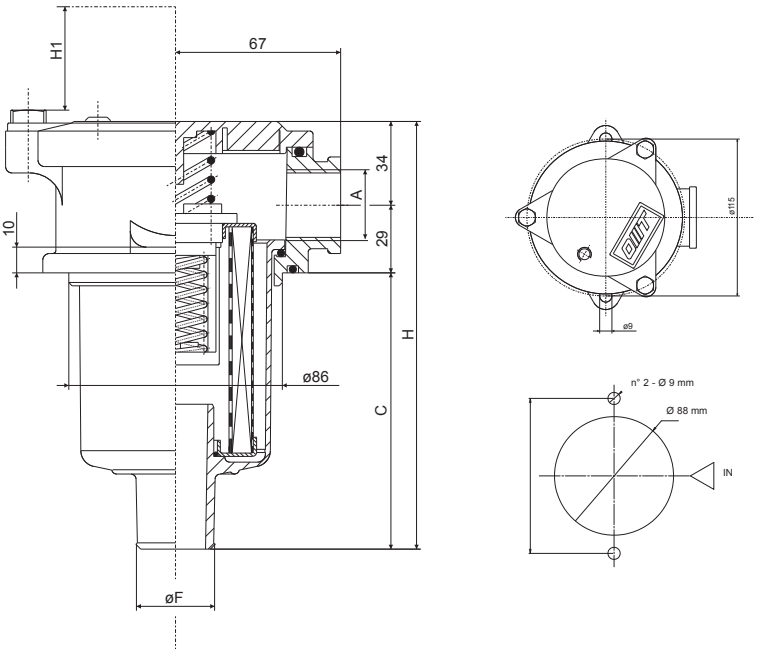
CR 11 2 F03 R



OMTF 09

Tip	A
1	G 1/2″

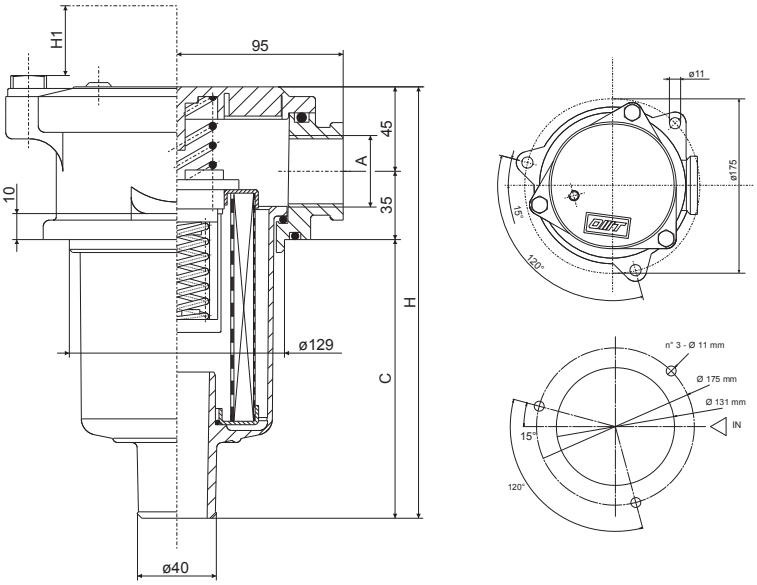
Tip	C [mm]	H [mm]	H1 [mm]	Masa [kg]
1	85	132	110	0,400



OMTF 11

Tip	A
	G 1/2″
1	G 3/4″
2	G 1″

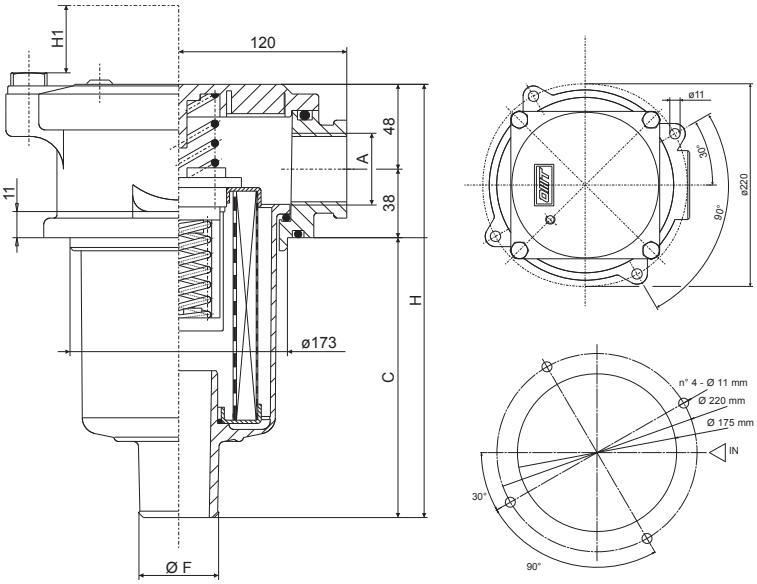
Tip	C [mm]	H [mm]	H1 [mm]	Masa [kg]
1	92	155	130	0,715
2	150	213	190	0,770
3	232	295	270	0,830



OMTF 17

Tip	A
	G 1″
1	G 1 1/4″

Tip	C [mm]	H [mm]	H1 [mm]	Masa [kg]
1	244	323	255	1,940



OMTF 22

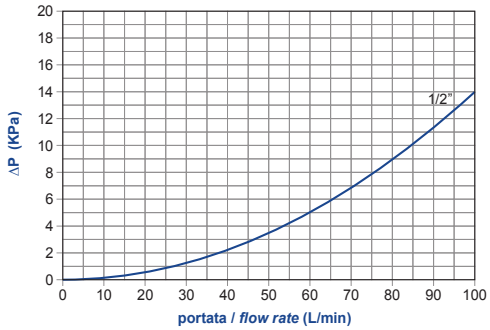
Tip	A
	G 1 1/4″
1	G 1 1/2″
2	G 2″

Tip	C [mm]	H [mm]	H1 [mm]	Masa [kg]
1	176	262	210	3,250
2	236	322	260	3,800
3	236	322	260	3,800
4	282	368	320	3,900

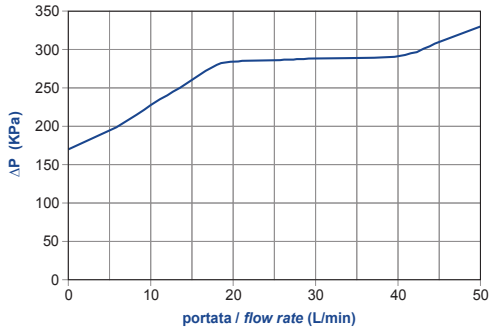
Caderea totapa de presiune se obtine prin adunarea valorilor caderii de presiune din carcasa si elementul filtrant la debitul luat in calcul. Rezultatul , in mod ideal, ar trebui sa fie sub 0,5 bar si nu trebuie sa depaseasca 1/3 din presiunea supapei de by-pass.

OMTF serie/series 09

ΔP CORPI / ΔP HOUSINGS

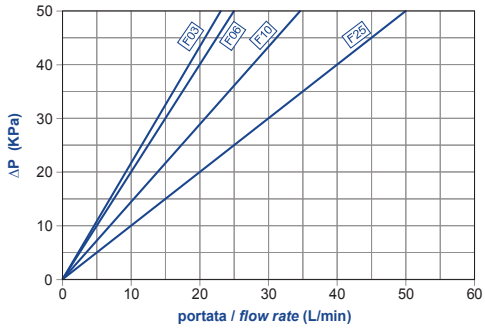


BY-PASS / BY-PASS

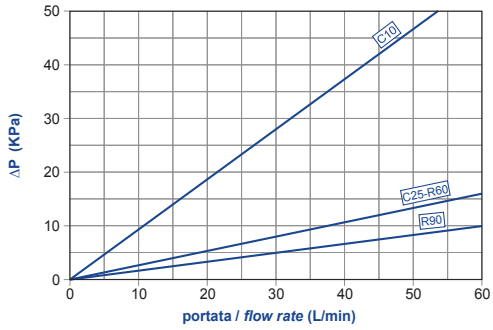


tipo CR09 1 series

ΔP ELEMENTI

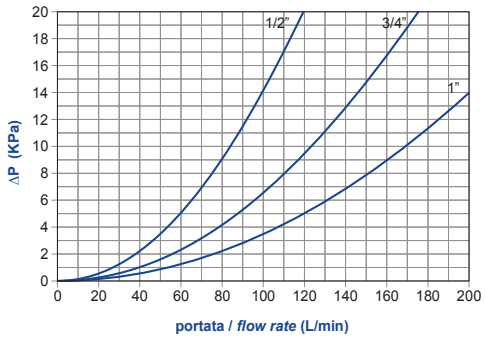


ΔP ELEMENTS

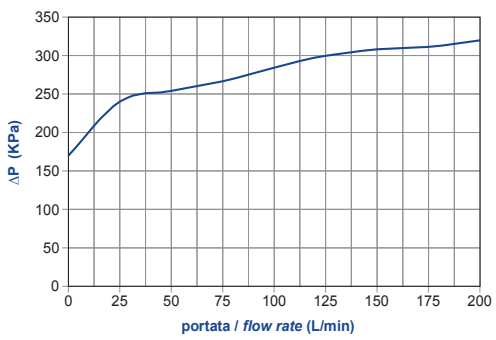


OMTF serie/series 11

ΔP CORPI / ΔP HOUSINGS

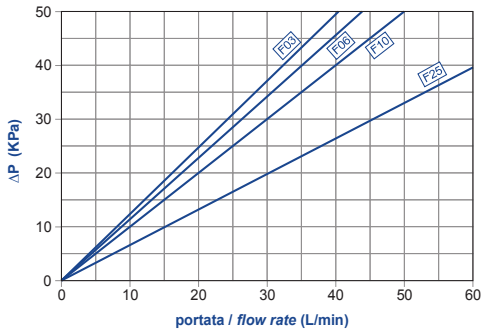


BY-PASS / BY-PASS

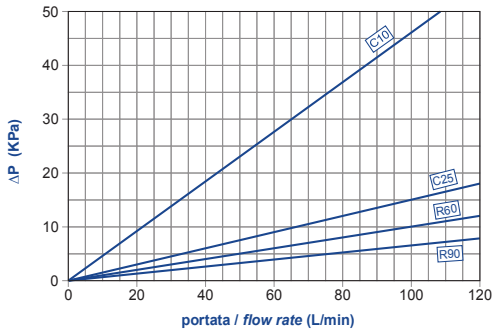


tipo CR11 1 series

ΔP ELEMENTI

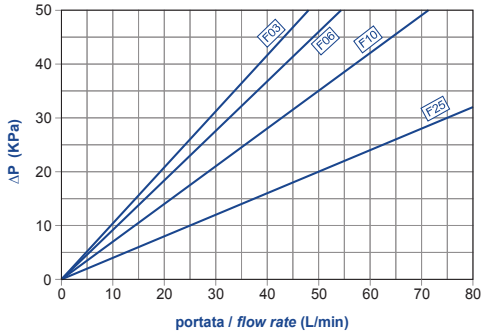


ΔP ELEMENTS

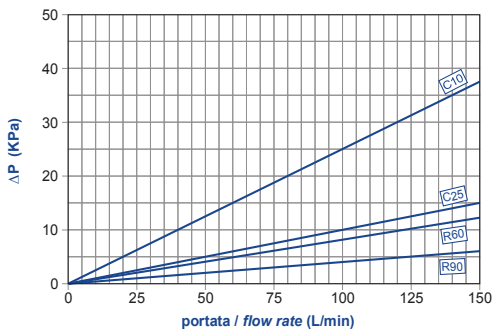


tipo CR11 2 series

ΔP ELEMENTI

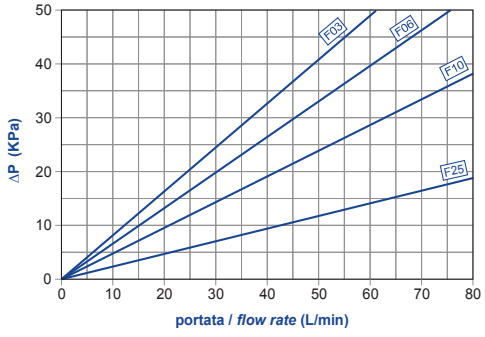


ΔP ELEMENTS

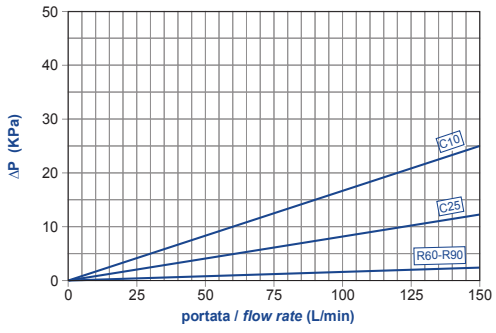


tipo CR11 3 series

ΔP ELEMENTI

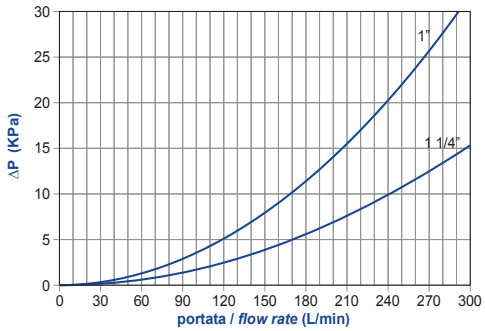


ΔP ELEMENTS

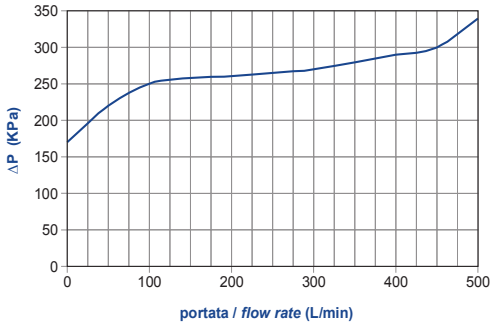


OMTF serie/series 17

ΔP CORPI / ΔP HOUSINGS

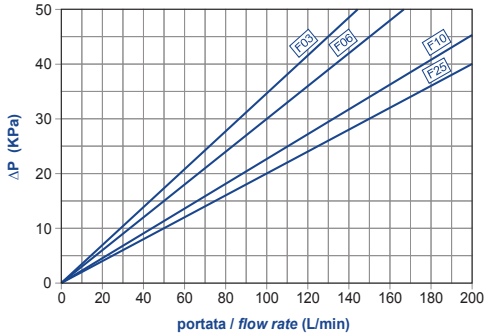


BY-PASS / BY-PASS

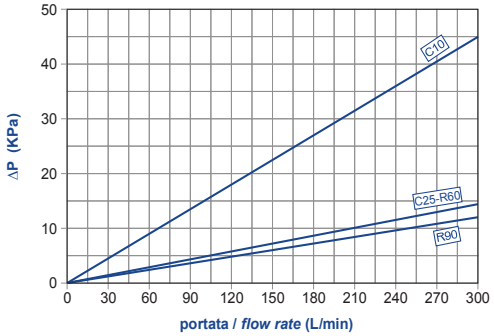


tipo CR17 1 series

ΔP ELEMENTI

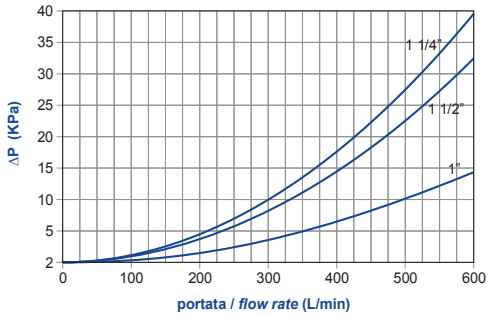


ΔP ELEMENTS

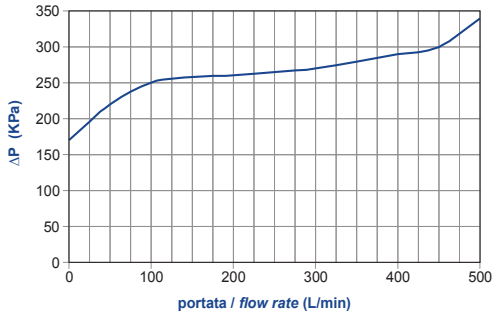


OMTF serie/series 22

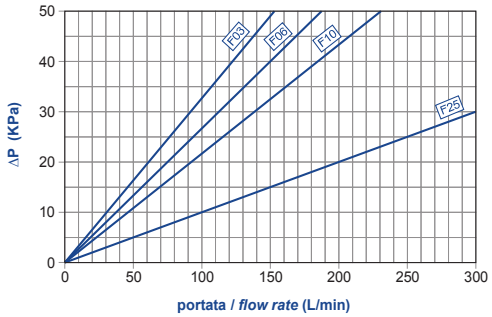
ΔP CORPI / ΔP HOUSINGS

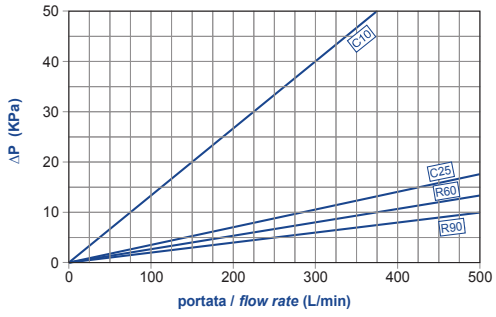


BY-PASS / BY-PASS

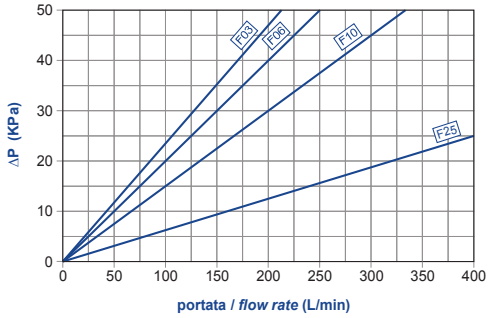


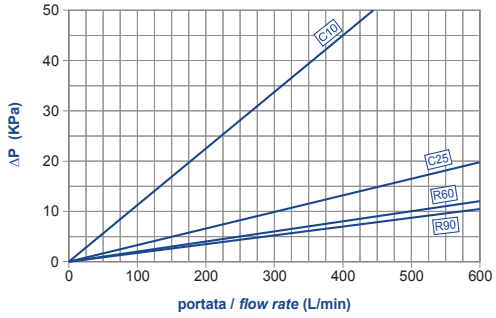
ΔP ELEMENTI — tipo CR22 1 series — ΔP ELEMENTS



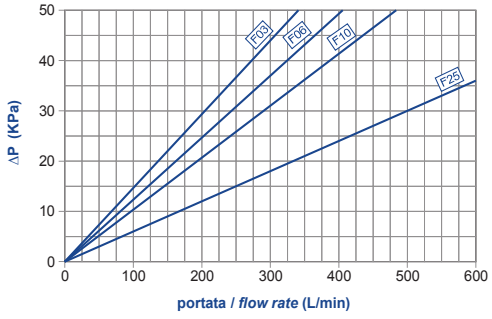


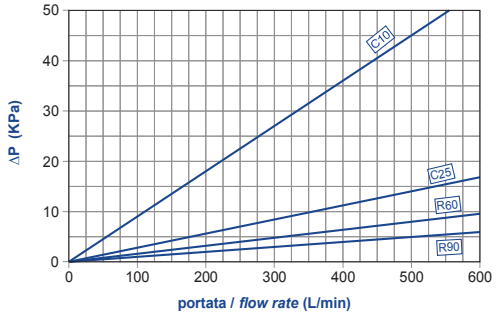
ΔP ELEMENTI — tipo CR22 2-3 series — ΔP ELEMENTS





ΔP ELEMENTI — tipo CR22 4 series — ΔP ELEMENTS



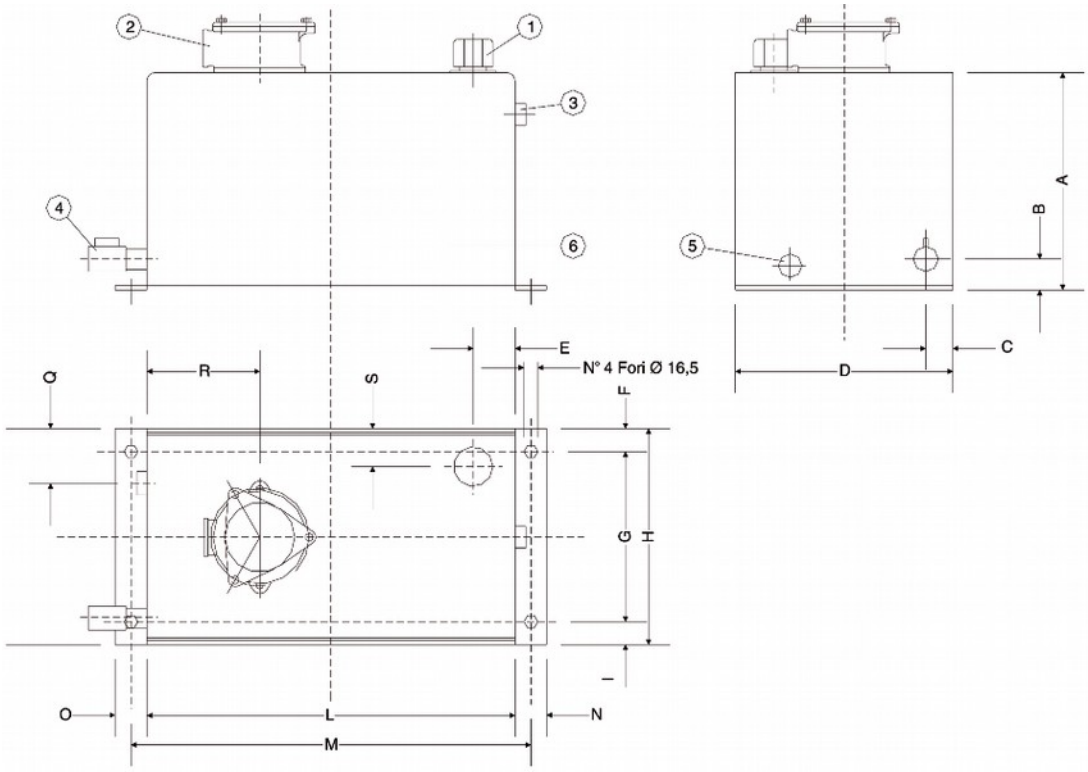


Accesorii sisteme hidraulice

Rezervoare ulei hidraulic tip FC

Caracteristici:

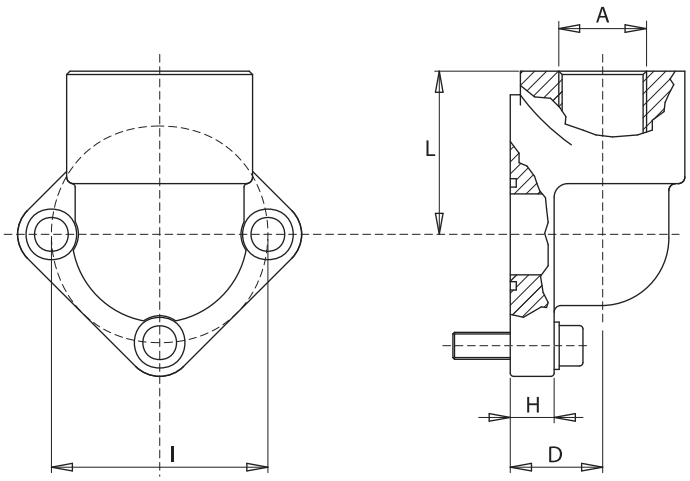
- Constructie din otel;
- Capac de umplere cu filtru;
- Indicator de nivel;
- Filtru de retur integrat;



Model	A	B	C	D	E	F	G	H	I	L	M	N	O	Q	R	S
FC20	260	37	32,5	260	50	27,5	205	260	27,5	440	478	38	38	35	135	45,5
FC40	280	37	32,5	280	50	27,5	225	280	27,5	600	638	38	38	35	135	45,5
FC55	300	37	32,5	300	50	27,5	245	300	27,5	680	718	38	38	35	135	45,5
FC75	320	37	32,5	320	50	27,5	265	320	27,5	800	838	38	38	35	135	45,5

Racorduri pompe - RPA

Caracteristici:
- Material corp: otel zincat
- Prindere cu 3 suruburi;
- Oring etansare



Tabel 4: Dimensiuni racord

Model	Grupa pompa	A	I	D	H	L	Surub	O ring
RPA1-038	1	3/8″	30	17	10	27	M6x20	121
RPA1-012	1	1/2″	30	17	10	27	M6x20	121
RPA2-038	2	3/8″	40	21	11	36	M8x25	132
RPA2-012	2	1/2″	40	21	11	36	M8x25	132
RPA2-034	2	3/4″	40	21	11	36	M8x25	132
RPA3-034	3	3/4″	51	27	15	46	M10x30	4118
RPA3-100	3	1″	51	27	15	46	M10x30	4118
RPA3-034B	3	3/4″	56	27	15	46	M10x30	4118
RPA3-100B	3	1″	56	27	15	46	M10x30	4118
RPA35-100M10	3,5	1″	62	36	16	56	M10x30	4150

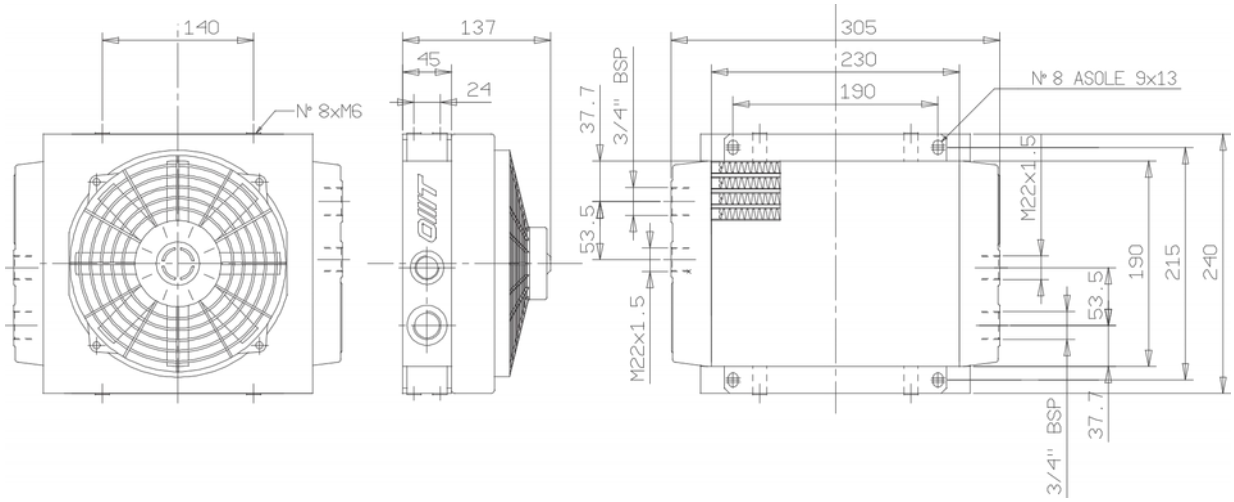
Model	Grupa pompa	A	I	D	H	L	Surub	O ring
RPA35-114M10	3,5	1 1/4"	62	36	16	56	M10x30	4150
RPA35-100M12	3,5	1"	62	36	16	56	M12x35	4150
RPA35-114M12	3,5	1 1/4"	62	36	16	56	M12x35	4150
RPA4-114	4	1 1/4"	72,5	37	17	56	M12x35	153
RPA4-112	4	1 1/2"	72,5	37	17	56	M12x35	153

Schimbatoare de caldura ulei / aer

Schimbator de caldura ulei / aer - ST 50

Carateristici:

- debit de ulei: 10 – 80 l/min;
- diametru ventilator: 190 mm;
- volum: 0,48 litri;
- grad de protectie: IP68



Model	Tensiune alimentare	Turatie ventilator [rpm]	Putere [kW]	Diametru ventilator [mm]	Nivel zgomot [dB]	Debit aer [m^3/h]	Volum ulei [l]	Masa [kg]
12	12V DC	3790	0,08	190	73,8	722	0,48	6,5
24	24V DC	3790	0,08	190	73,8	714	0,48	6,5

Factor de corecţie vascozitate

CST	10	15	20	32	40	50	60	80	100	200
F	0,51	0,66	0,76	1	1,22	1,4	1,6	1,9	2,1	3,4

Diagrama cădere de presiune (32 cSt)

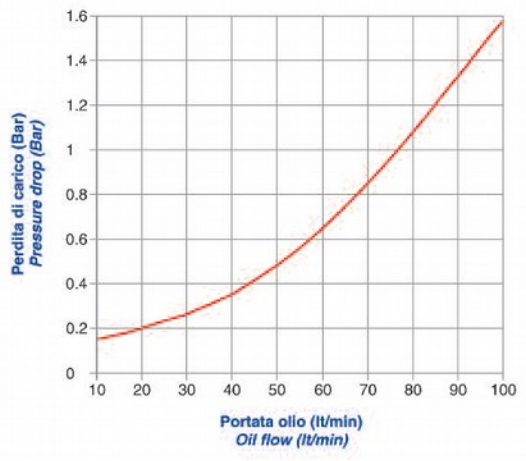
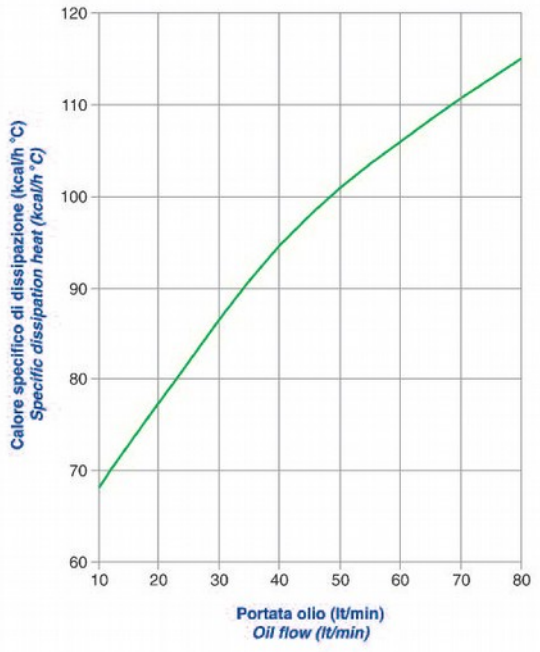


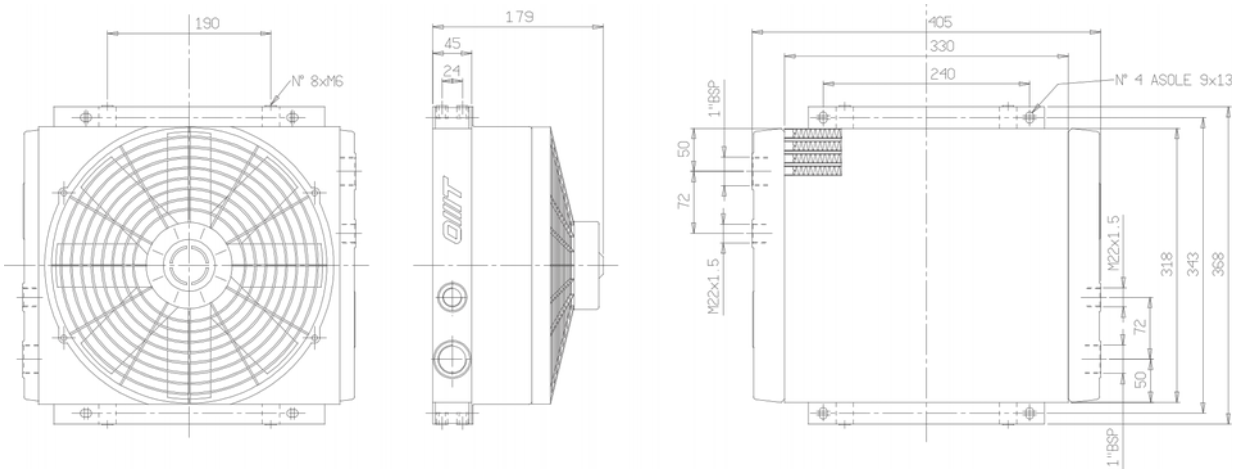
Diagrama randament termic



Schimbator de caldura ulei / aer - ST60

Carateristici:

- schimbator de caldura compact;
- debit de ulei recomandat: 20 – 160 l/min;
- alimentare cu cunrent continuu 12V DC / 24V DC;
- masa proprie 7,5 kg;
- diametru ventilator: 305 mm;
- grad de protecţia IP 68.



Model	Tensiune alimentare	Turatie ventilator [rpm]	Putere [kW]	Diametru ventilator [mm]	Nivel zgomot [dB]	Debit aer [m^3/h]	Volum ulei [l]	Masa [kg]
12	12V DC	3090	0,218	305	82,67	2617	1,5	7,5
24	24V DC	3090	0,218	305	82,67	2324	1,5	7,5

Factor de corecţie vascozitate

CST	10	15	20	32	40	50	60	80	100	200
F	0,51	0,66	0,76	1	1,22	1,4	1,6	1,9	2,1	3,4

Diagrama randament termic

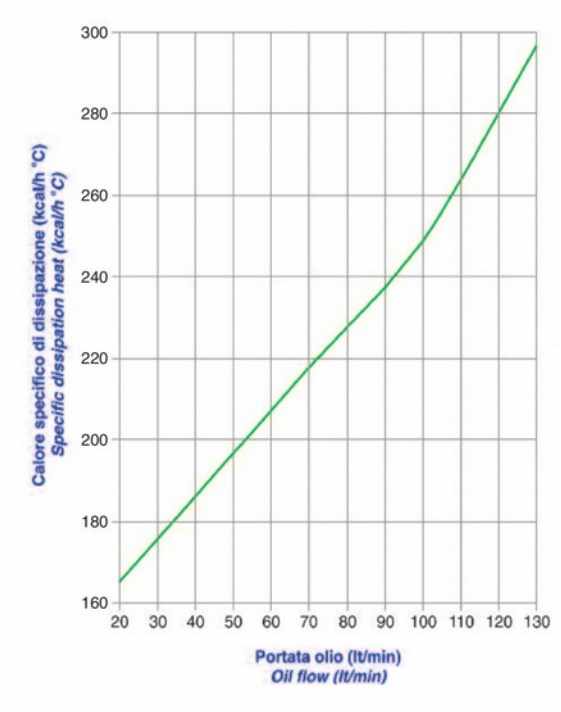
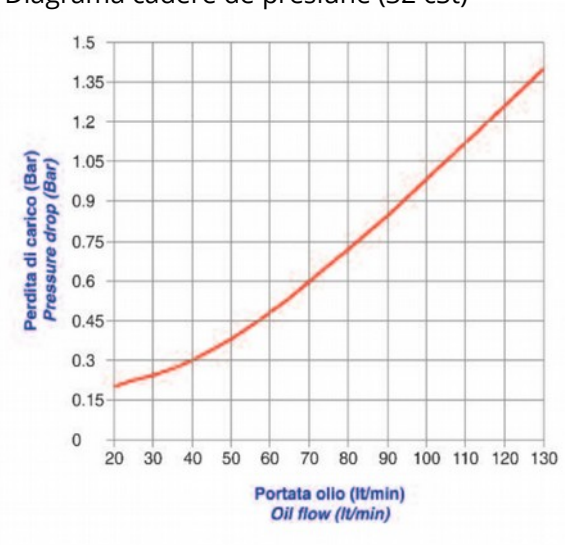


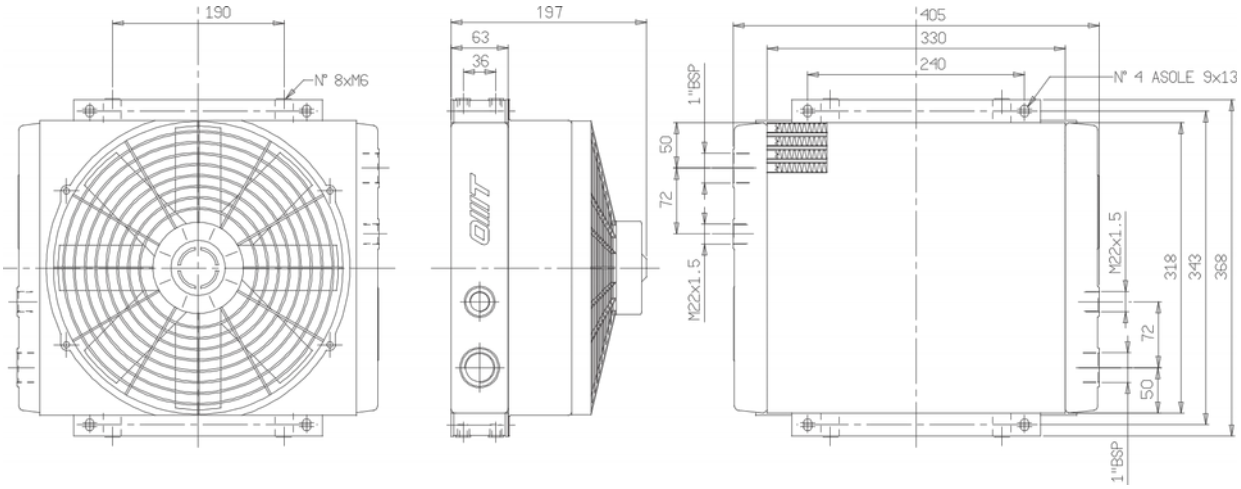
Diagrama căderе de presiune (32 cSt)



Schimbator de caldura ulei / aer - ST100

Carateristici:

- schimbator de caldura compact;
- debit de ulei recomandat: 30 – 140 l/min;
- alimentare cu cunrent continuu 12V DC / 24V DC;
- masa proprie 7,5 kg;
- diametru ventilator: 305 mm;
- grad de protecţia IP 68.



Model	Tensiune alimentare	Turatie ventilator [rpm]	Putere [kW]	Diametru ventilator [mm]	Nivel zgomot [dB]	Debit aer [m^3/h]	Volum ulei [l]	Masa [kg]
12	12V DC	3090	0,218	305	82,67	2617	1,5	7,5
24	24V DC	3090	0,218	305	82,67	2324	1,5	7,5

Factor de corecţie vascozitate

CST	10	15	20	32	40	50	60	80	100	200
F	0,51	0,66	0,76	1	1,22	1,4	1,6	1,9	2,1	3,4

Diagrama cădere de presiune (32 cSt)

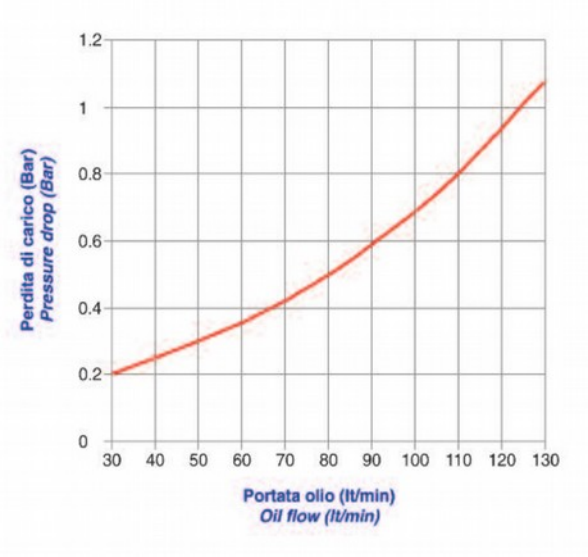
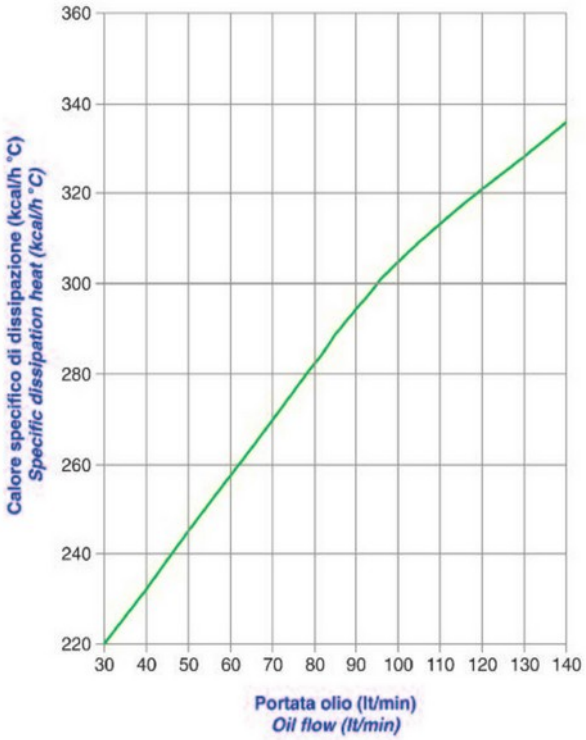


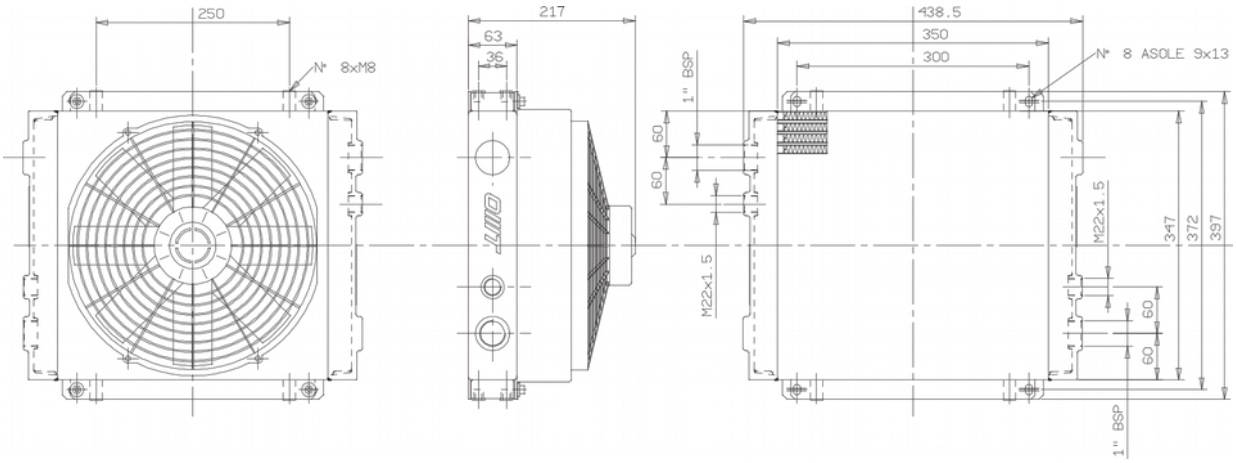
Diagrama randament termic



Schimbator de caldura ulei / aer - ST150

Carateristici:

- schimbator de caldura compact;
- debit de ulei recomandat: 35 – 140 l/min;
- alimentare cu cunrent continuu 12V DC / 24V DC;
- masa proprie 14 kg;
- diametru ventilator: 305 mm;
- grad de protecţia IP 68.

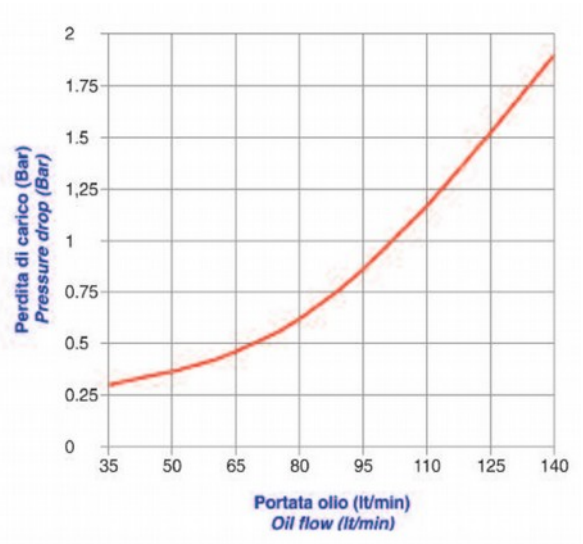


Model	Tensiune alimentare	Turatie ventilator [rpm]	Putere [kW]	Diametru ventilator [mm]	Nivel zgomot [dB]	Debit aer [m^3/h]	Volum ulei [l]	Masa [kg]
12	12V DC	3090	0,218	305	82,67	2617	1,5	14
24	24V DC	3090	0,218	305	82,67	2324	1,5	14

Factor de corecţie vascozitate

CST	10	15	20	32	40	50	60	80	100	200
F	0,51	0,66	0,76	1	1,22	1,4	1,6	1,9	2,1	3,4

Diagrama cădere de presiune (32 cSt)



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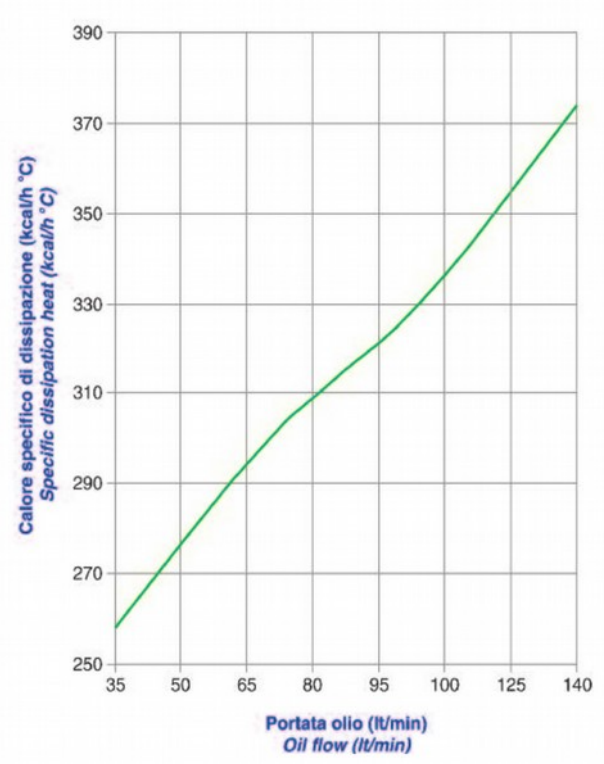
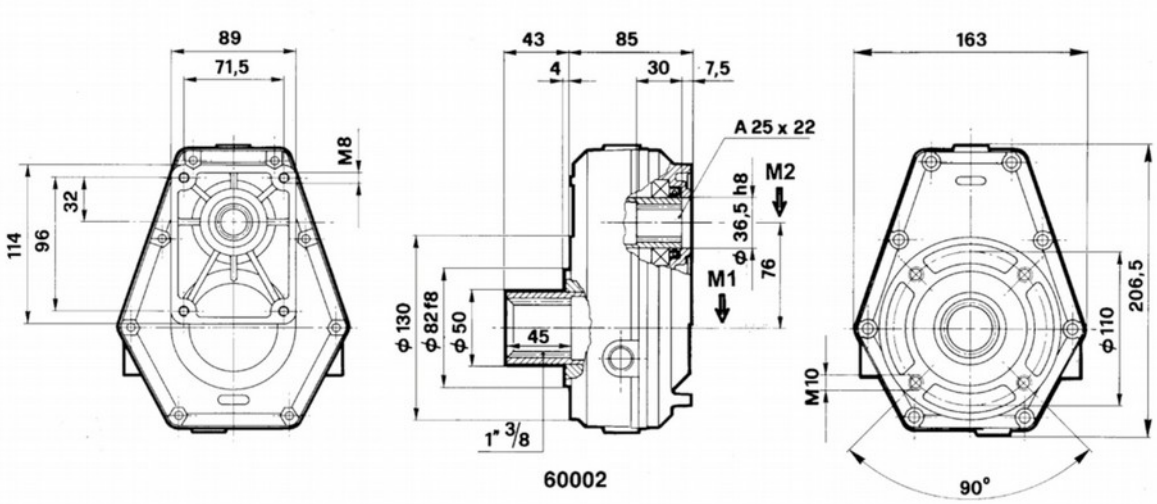


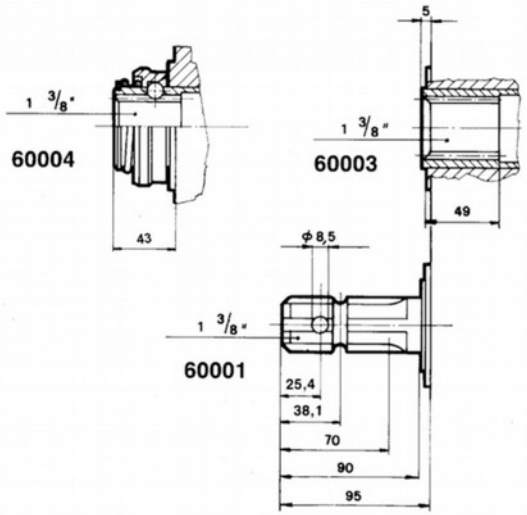
Elemente de transmitere a miscarii

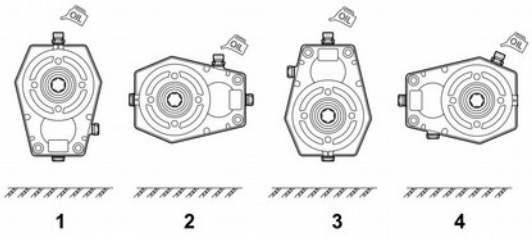
Multiplicatoare turatie seria 60000

Caracteristici:

- Conexiune SAE 1 3/8" Z=6
- Flansa pompa: 96 x 72 mm
- Tip: amplificator cu roti dintate
- Lubrifiant: SAE 90, 220 ml







M1	M2	N1	N2	I	Putere	Masa
Nm	Nm	rpm	rpm	N1/N2	kW	kg
178	119	540	810	1,5	10	5,5
152	76	540	1080	2	10	5,5
165	66	540	1350	2,5	10	5,5
180	55	540	1680	3	10	5,5
186	58	540	1836	3,5	10	5,5
159	42	540	2052	3,8	10	5,5

Amplificatoarele de turatie sunt componente mecanice care au rolul de a asigura conexiunea dintre pompele hidraulice si priza de putere mecanica a tractoarelor agricole.

Turatia la iesirea din reductor corespunde domeniului de turatie ale pompelor hidraulice si presupune folosirea unei prize mecanice cu turatia de 540 rpm. Pot fi folosite si prize de putere cu alte turatii cu conditia ca turatia la iesirea din reductor sa nu depaseasca 3000 rpm.

Specificatii:

CARCASA: aluminiu turnat

ROTI DINTATE; dimensionate conform ISO/DIN 3990-88, realizate din otel 18NiCrMo5

ARBORI: construiti din otel UNI 16CrNi4;

CUPLU MAXIM: momentele de torsine din tabel sunt date ca referinta pentru o utilizare continua. Pentru cazurile in care incarcarea este intermitenta valorile se pot depasi cu maxim 20%;

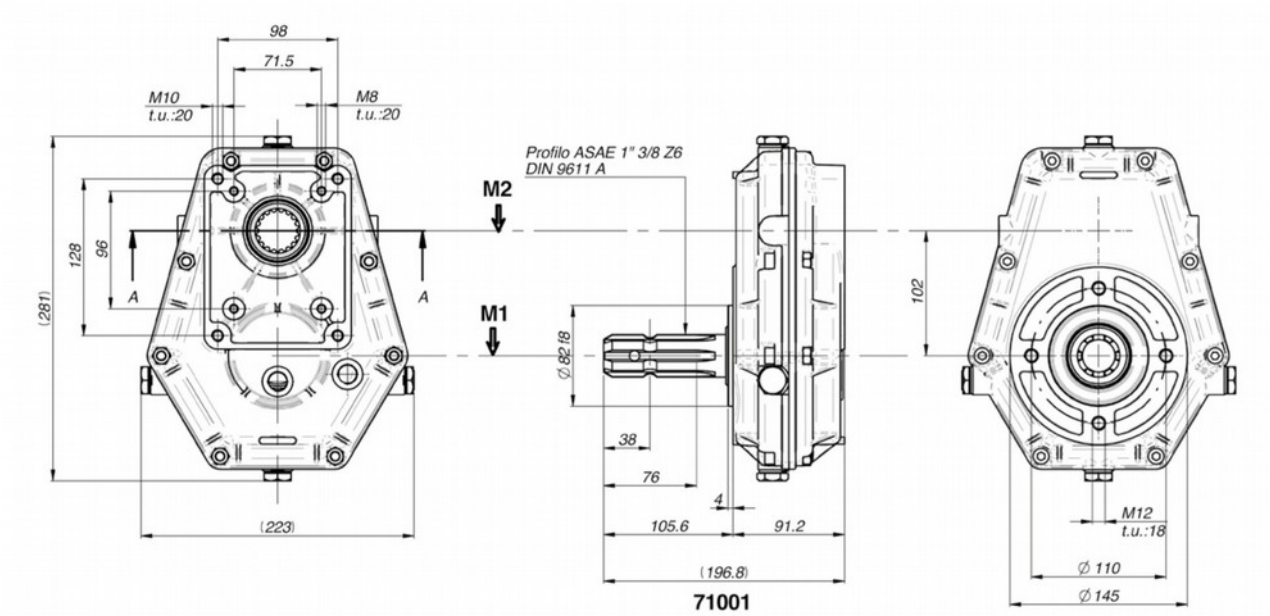
LUBRIFIERE: se recomanda folosirea lubrifianti tip SAE 90. Verificarea uleiului se face prin fereastra de inspectie la fiecare 1500 ore. Primul schimb de ulei se va realiza la 60 – 80 ore.

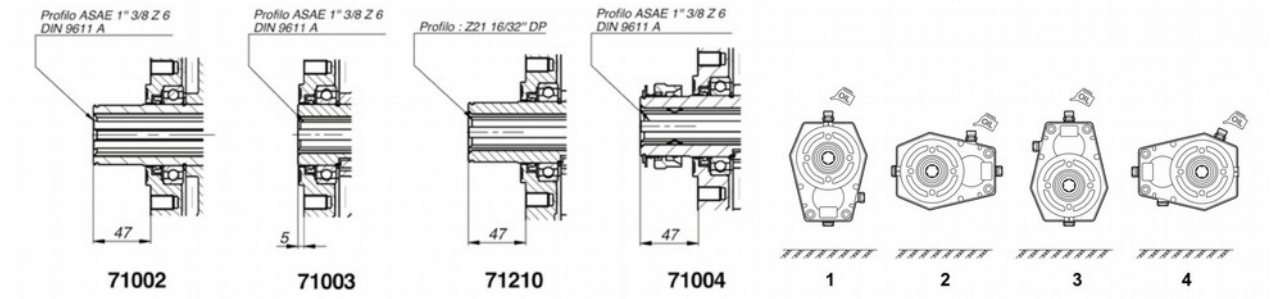
TEMPERATURA DE LUCRU: in regim de functionare continuu, temperatura nu trebuie sa depaseasca 120 °C.

Multiplicatoare turatie seria 71000

Caracteristici:

- Conexiune SAE 1 3/8" Z=6
- Flansa pompa: 128 x 98 mm și 96 x 72 mm
- Tip: amplificator cu roti dintate
- Lubrifiant: SAE 90, 350 ml





M1	M2	N1	N2	I	Putere	Masa
Nm	Nm	rpm	rpm	N1/N2	kW	kg
310	310	540	540	1	20	8,4
380	260	540	810	1,5	20	8,4
430	210	540	1080	2,2	20	8,4
460	180	540	1408	2,5	20	8,4
490	160	540	1620	3	20	8,4
460	130	540	1836	3,5	20	8,4
437	115	540	2057	3,8	20	8,4

Amplificatoarele de turatie sunt componente mecanice care au rolul de a asigura conexiunea dintre pompele hidraulice si priza de putere mecanica a tractoarelor agricole.

Turatia la iesirea din reductor corespunde domeniului de turatie ale pompelor hidraulice si presupune folosirea unei prize mecanice cu turatia de 540 rpm. Pot fi folosite si prize de putere cu alte turatii cu conditia ca turatia la iesirea din reductor sa nu depaseasca 3000 rpm.

Specificatii:

CARCASA: aluminiu turnat

ROTI DINTATE; dimensionate conform ISO/DIN 3990-88, realizate din otel 18NiCrMo5

ARBORI: construiti din otel UNI 16CrNi4;

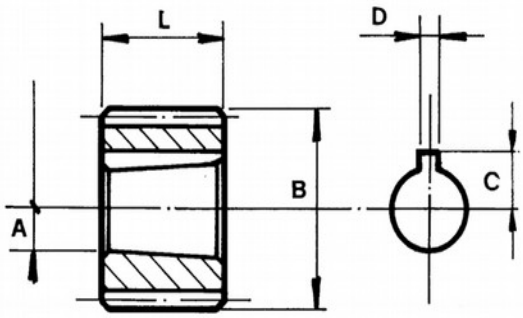
CUPLU MAXIM: momentele de torsine din tabel sunt date ca referinta pentru o utilizare continua. Pentru cazurile in care incarcarea este intermitenta valorile se pot depasi cu maxim 20%;

LUBRIFIERE: se recomanda folosirea lubrifianti tip SAE 90. Verificarea uleiului se face prin fereastra de inspectie la fiecare 1500 ore. Primul schimb de ulei se va realiza la 60 – 80 ore.

TEMPERATURA DE LUCRU: in regim de functionare continuu, temperatura nu trebuie sa depaseasca 120 °C.

Cuplaje pompe amplificatoare DIN 5482

Caracteristici:
Satndard DIN 5482

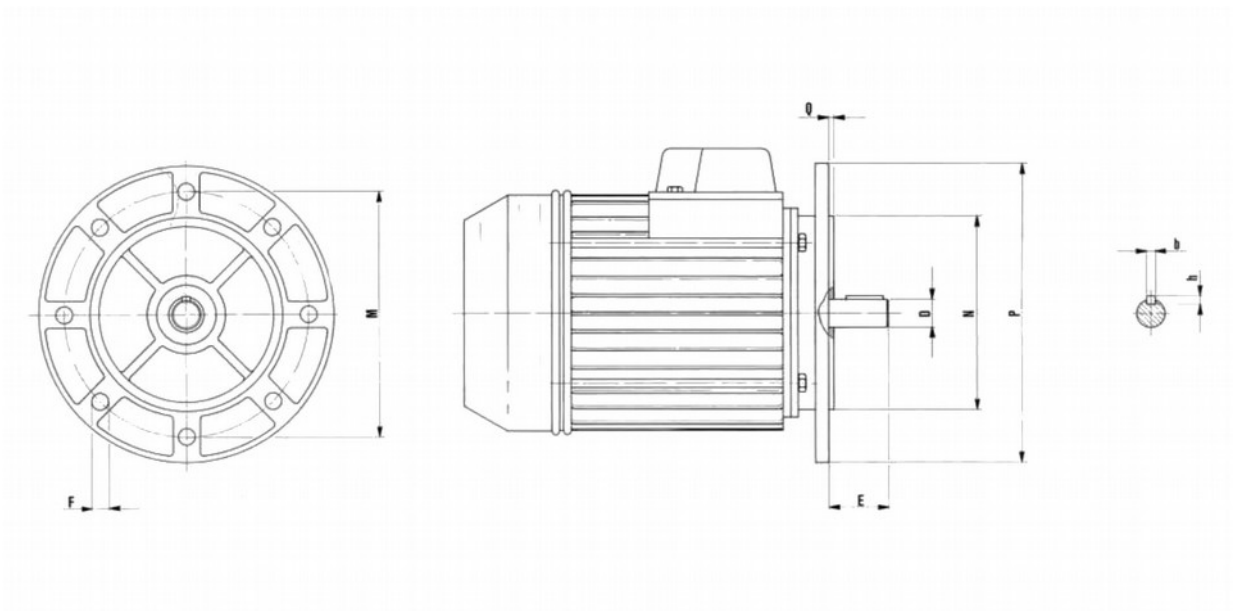


Cod	Tip pompa	Grupa pompa	Profil DIN 5482	Nr. dinti	A	B	C	D	L
10001	1	1	20x17	12	8	19,5	5,7	2,4	14,5
10002	0,5	2/0,5	20x17	12	6	19,5	4	2	7
10003	1	2/1	25x22	14	8	24,5	5,7	2,4	14,5
10004	0,5	2/1	25x22	14	6	24,5	4	2	9
1033	1	2/1	25x22	14	12	24,5	8,5	3	16
10005	2	2	25x22	14	14,2	24,5	9,3	3,17	22
10026	2	2	25x22	14	14,5	24,5	9,1	4	22,5
10007	2	2	28x25	15	14,2	27,5	9,7	3,17	22
10035	2	2	28x25	15	14,5	27,5	9,7	4	22,5
10036	1	2,5/1	32x28	17	8	31,5	5,7	2,4	14,5
10039	1	2,5/1	32x28	17	12	31,5	8,5	3	16
10008	2	2,5/2	32x28	17	14,2	31,5	9,7	3,17	22
10040	2	2,5/2	32x28	17	14,5	31,5	9,7	4	22,5
10009	2,5	2,5	32x28	17	18,7	31,5	11,6	4	26

Cod	Tip pompa	Grupa pompa	Profil DIN 5482	Nr. dinti	A	B	C	D	L
10010	1	3/1	35x31	18	8	34,5	5,7	2,4	14,5
10043	1	3/1	35x31	18	12	34,5	8,5	3	16
10012	2	3/2	35x31	18	14,2	34,5	9,7	3,17	22
10044	2	3/2	35x31	18	14,5	34,5	9,7	4	22,5
10014	3	3	35x31	18	18,7	34,5	12,5	4	26
10046	1	3,5/1	35x31	20	8	39,5	5,7	2,4	14,5
10049	1	3,5/1	40x36	20	9,7	39,5	6,7	3	16
10050	1	3,5/1	40x36	20	12	39,5	8,5	3	16
10015	2	3,5/2	40x36	20	14,2	39,5	9,7	3,17	22
10051	2	3,5/2	40x36	20	14,5	39,5	9,7	4	22,5
10016	3	3,5/3	40x36	20	18,7	39,5	12,5	4	26
10017	3,5	3,5	40x36	20	21,2	39,5	15,1	4,76	32
10052	3,5	3,5	40x36	20	23,7	39,5	15	6	38

Dimensiuni de gabarit motor asincron cu flansa B5

4 poli – 1500 rpm

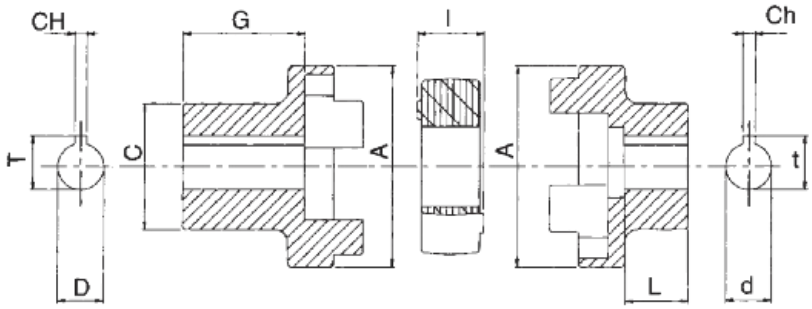


Dimensiunea de gabarit	Putere [kw]	D	E	F	M	N	P	Q	b	h
71	0,25	14/j6	30	9,5	130	110j6	160	3,5	5	5
	0,37									
80	0,55	19/j6	40	11,5	165	130j6	200		6	6
	0,75									
90	1,1	24/j6	50						8	7
	1,5									
100	2,2	28/j6	60	14	215	180j6	250	4		
	3									
112	4									
132	5,5	38/k6	80		265	230j6	300		10	8
	7,5									
160	11		110	18	300	250h6	350	5	12	
	15	42/k6								
180	18,5	48/k6							14	9

Dimensiunea de gabarit	Putere [kw]	D	E	F	M	N	P	Q	b	h
	22									
200	30	55/m6			350	300h6	400		16	10
225	37	60/m6	140		400	350h6	450		18	11
	45									
250	55	65/m6			500	450h6	550			
280	75	75/m6							20	12
	90									
315	110	80/m6	170	22	600	550h6	660	6	24	14
	132									

Cuplaje elastice pompe hidraulice

Caracteristici:
- Corp din aluminiu
- Element elastic din poliuretan



Caratteristiche lato motore
Characteristics of motor side

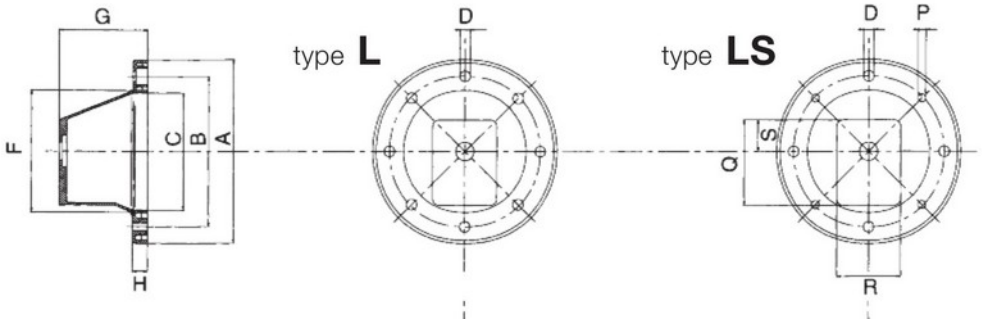
Caratteristiche lato pompa
Characteristics of pump side

Model	Gabrit pompa	Tip arbore pompa	A [mm]	I [mm]	G [mm]	D [mm]	T [mm]	C [mm]	CH [mm]	L [mm]	d [mm]	t [mm]	Ch [mm]
ND8	1	con 1:8	65	18	47,5	19	21,8	42	6	15	9,7	10,5	2,4
ND10	2	con 1:8	65	18	47,5	24	27,3	48	8	23	17,2	18,5	3,2
ND11	1	con 1:8	65	18	57,5	28	31,3	53	8	15	9,7	10,5	2,4
ND13	2	con 1:8	65	18	57,5	28	31,3	53	8	23	17,2	18,5	3,2
ND16	2	con 1:8	86	20	88	38	41,3	73	10	23	17,2	18,5	3,2

Suport conectare pompa – motor electric

Caracteristici:

- Corp din aluminiu turnat
- Sistem de centrare motor – pompa hidraulica

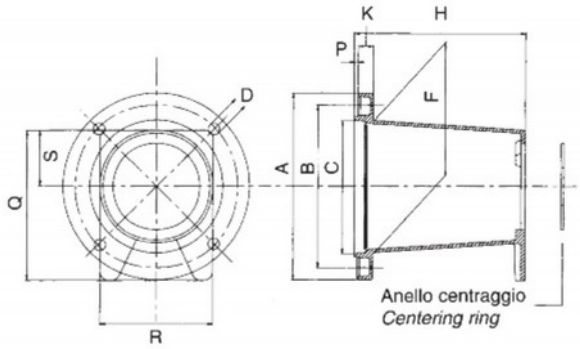


Model	Gabrit pompa	Gabarit motor	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	G [mm]	H [mm]	P [mm]	Q [mm]	R [mm]	S [mm]
L2002	1	90	200	165	130	12	135	95	15	M10	90	69	34
L2004	2	90	200	165	130	12	135	95	15	M10	118	86	43
L2501	1	100 - 112	250	215	180	14	185	105	21	M12	118	86	43
L2503	2	100 - 112	250	215	180	14	185	105	21	M12	118	86	43
L3001	2	132	300	265	230	14	238	143	21	M12	170	120	59
L3513	3	160	350	300	250	18	253	178	25	M16	235	235	117,5

Suport conectare pompa – motor termic

Caracteristici:

- Corp din aluminiu turnat
- Sistem de centrare motor – pompa hidraulica

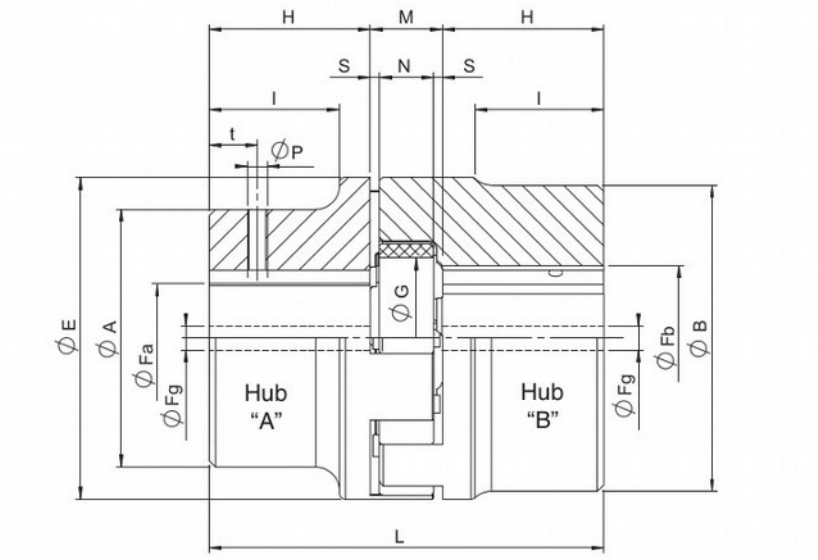


Model	Gabrit pompa	Putere motor [kW]	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	H [mm]	K [mm]	P [mm]	Q [mm]	R [mm]	S [mm]
LMH151	1	2,2 - 4	110	92	78,5	9	78	98	12	3	90	70	34
LMH401	1	5 – 13,5	146	127	110	9	110	134	12	3	118	91	43,5
LMH403	2	5 – 13,5	146	127	110	9	110	134	12	3	118	91	43,5

Cuplaje elastice standard ALU

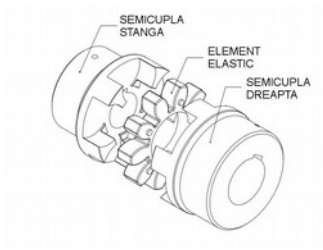
Caracteristici:

- Material corp semicuple: aluminiu
- Alezaje standard, clasa de toleranta H7, pana conform DIN 6885
- Disponibil in tipodimensiunile „A" si „B" varianta standard sau lunga „L"
- Element elastic din rasina speciala de poliurentan rezistenta la imbatranire, oboseala, abraziune si diferiti compusi chimici acizi, uleiuri etc.



Tabel 5: Dimensiuni semicuple

Gabarit	Fa max [mm]	Fb max. [mm]	Fg [mm]		E [mm]	A [mm]	B [mm]	L [mm]	H [mm]	M [mm]	S [mm]	N [mm]	l [mm]	G [mm]	t [mm]	P [mm]
			A	B												
19/24	-	24	-	-	40	40	40	66	25	16	2	12	-	18	10	M5
24/32	24	32	-	-	55	40	55	78	30	18	2	14	24	27	10	M5
28/38	28	38	12	28	65	48	65	90	35	20	2,5	15	28	30	15	M6
38/45	38	45	22	38	80	66	77	114	45	24	3	18	37	38	15	M8
42/55	-	55	-	22	95	-	95	126	50	26	3	20	-	46	20	M8
48/60	-	60	-	30	105	-	105	140	56	28	3,5	21	-	51	20	M8



Cuplajele elastice au rolul de a transmite miscarea de rotatie intre 2 arbori cu preluarea socurilor din transmise iar in acelasi timp compenseaza erorile de aliniere axiale si radiale dintre cei doi arbori.

Cuplajele sunt confectionate sub doua categorii tipodimensionale „A" si „B", diferenta dintre cele doua fiind diametrul maxim al arborelui cu care pot fi cuplate. Acestea pot fi combinate intrere ele atat timp cat se respecta clasa de gabarit.

Tabel 6: Erori maxime de aliniere (n = 1500 rpm)

Gabarit	Eroare axiala maxima ΔK_{aP} [mm]	Eroare radiala maxima ΔK_r [mm]	Eroare unghiulara maxima ΔK_W [°]
19/24	1,2	0,20	1°30′
24/32	1,4	0,22	1°30′
28/38	1,5	0,25	1°30′
38/45	1,8	0,28	1°30′
42/55	2,0	0,32	1°30′
48/60	2,1	0,36	1°30′

Valorile din tabel pentru erorile unghiulara si radiala trebuie corectate in cazul cand acestea actioneaza simultan asupra cuplajului.

92 Shore A

98 Shore A

64 Shore D

Tabel 7: Specificatii element elastic

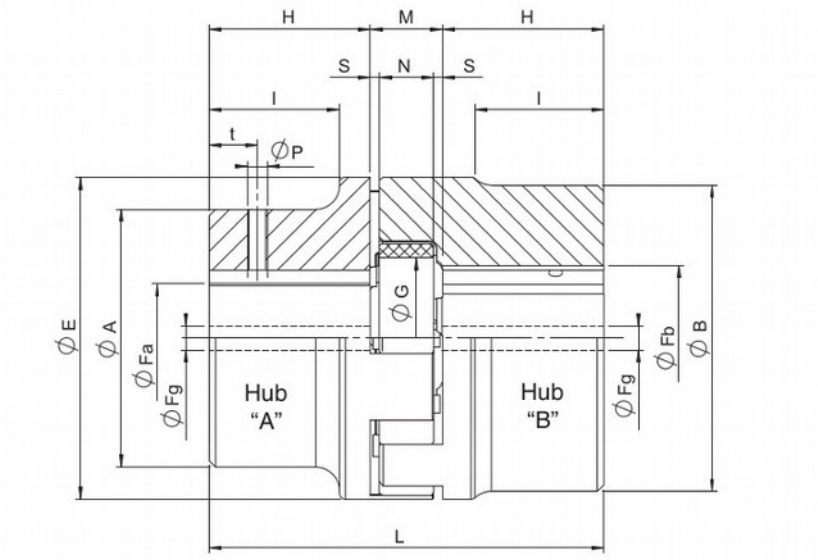
Gabarit	Duritate		Cuplu [Nm]			Viteza maxima [rpm]	
	Culoare	Shore	T_{KN}	T_{Kmax}	T_{KW}	n (v=30 m/s)	n (v=40 m/s)
19/24	galben	92 Shore A	10	20	2,7	14000	19000
	rosu	98 Shore A	17	34	4,4	14000	19000
	verde	64 Shore D	21	42	5,5	14000	19000
24/32	galben	92 Shore A	35	70	9	10600	14000
	rosu	98 Shore A	60	120	16	10600	14000
	verde	64 Shore D	75	150	19,5	10600	14000

Gabarit	Duritate		Cuplu [Nm]			Viteza maxima [rpm]	
	Culoare	Shore	T_{KN}	T_{Kmax}	T_{KW}	n (v=30 m/s)	n (v=40 m/s)
28/38	galben	92 Shore A	95	190	25	8500	11800
	rosu	98 Shore A	160	320	42	8500	11800
	verde	64 Shore D	200	400	52	8500	11800
38/45	galben	92 Shore A	190	380	49	7100	9500
	rosu	98 Shore A	325	650	85	7100	9500
	verde	64 Shore D	405	810	105	7100	9500
42/55	galben	92 Shore A	265	530	69	6000	8000
	rosu	98 Shore A	450	900	117	6000	8000
	verde	64 Shore D	560	1120	145	6000	8000
48/60	galben	92 Shore A	310	620	81	5600	7100
	rosu	98 Shore A	525	1050	137	5600	7100
	verde	64 Shore D	655	1310	170	5600	7100

Cuplaje elastice standard GG

Caracteristici:

- Material corp semicuple: fonta cenusie
- Alezaje standard, clasa de toleranta H7, pana conform DIN 6885
- Disponibil in tipodimensiunile „A" si „B" varianta standard sau lunga „L"
- Element elastic din rasina speciala de poliurentan rezistenta la imbatranire, oboseala, abraziune si diferiti compusi chimici acizi, uleiuri etc.



Tabel 8: Dimensiuni semicuple

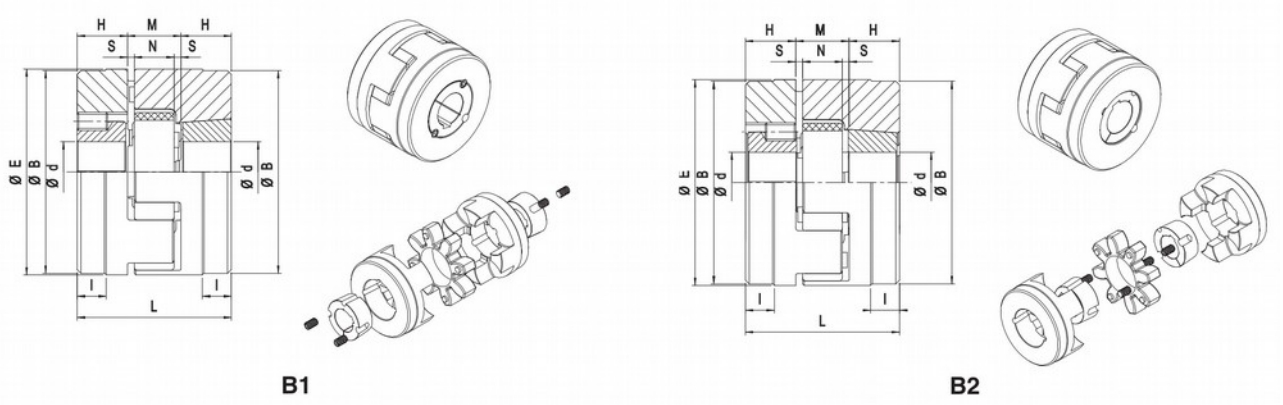
Gabarit	Fa max [mm]	Fb max. [mm]	Fg [mm]		E [mm]	A [mm]	B [mm]	tip A [mm]			tip B [mm]			M [mm]	S [mm]	N [mm]	G [mm]
			A	B				H	L	l	H	L	l				
19/24	-	24	-	-	40	-	40	-	-	-	25	66	-	16	2	12	18
24/32	24	32	8	10	55	40	55	30	78	24	30	78	-	8	5	14	27
28/38	28	38	8	10	65	48	65	35	90	28	35	90	-	20	2,5	15	30
38/45	38	45	10	12	80	66	80	45	114	37	45	114	-	24	3	18	38
42/55	42	55	10	12	95	75	95	50	126	40	50	126	-	26	3	20	46
48/60	48	60	12	12	105	85	105	56	140	45	56	140	-	28	3,5	21	51

Gabarit	Fa max [mm]	Fb max. [mm]	Fg [mm]		E [mm]	A [mm]	B [mm]	tip A [mm]			tip B [mm]			M [mm]	S [mm]	N [mm]	G [mm]
			A	B				H	L	I	H	L	I				
55/70	55	70	15	15	120	98	120	65	160	52	65	160	-	30	4	22	60
65/75	65	75	15	15	135	115	135	75	185	61	75	185	-	35	4,5	26	68
75/90	75	90	15	15	160	135	160	85	210	69	85	210	-	40	5	30	80
90/100	90	100	20	20	200	160	180	100	245	81	100	245	81	45	5,5	34	100
100/110	115	-	45	-	225	180	-	110	270	89	110	270	-	50	6	38	113
110/125	125	-	55	-	255	200	-	120	295	96	120	295	-	55	6,5	42	127
125/145	145	-	55	-	290	230	-	140	340	112	140	340	-	60	7	46	147
140/160	160	-	55	-	320	255	-	155	375	124	-	-	-	65	7,5	50	165
160/185	185	-	75	-	370	290	-	175	425	140	-	-	-	75	9	57	190
180/200	200	-	80	-	420	325	-	195	475	156	-	-	-	85	10,5	64	220

Cuplaje elastice cu bucsa conica - GRB

Caracteristici:

- Material corp semicuple: fonta cenusie
- Disponibil in doua executii B1 (instalare bucsa din exterior) si B2 (instalare bucsa din interior)
- Element elastic din rasina speciala de poliurentan rezistenta la imbatranire, oboseala, abraziune si diferiti compusi chimici acizi, uleiuri etc.



Tabel 9: Dimensiuni semicuple

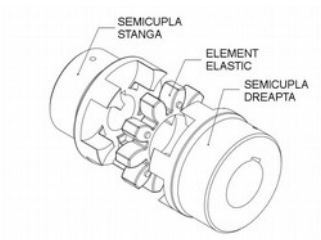
Gabarit	Tip bucsa	E [mm]	B [mm]	L [mm]	H [mm]	M [mm]	S [mm]	N [mm]	I [mm]
28/38	1108 (2820)	65	65	66	23	20	2,5	15	-
38/45	1108 (2820)	80	78	70	23	24	3	18	15
42/55	1610 (4025)	95	94	78	26	26	3	20	16
48/60	1615 (4040)	105	104	106	39	28	3,5	21	28
55/70	2012 (5030)	120	118	96	33	30	4	22	20
65/75	2012 (5030)	135	133	101	33	35	4,5	26	19
75/90	2517 (6545)	160	158	130	45	40	5	30	36
90/100	3535 (9090)	200	180	223	89	45	5,5	34	70

Tabel 10: Tipuri bucsa conica

Bucsa conica	Diametru alezaj (H7) canal de apana conform DIN 6885 – JS9 [mm]	Cuplu maxim transmisibil [Nm]	Cuplu maxim transmisibil prin forta de frecare	
			Ø alezaj [mm]	[Nm]
1108	9, 10, 11, 12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 26, 27, 28	150	12 19 24 28	28 49 64 79
1610	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 35, 38, 40, 42	490	19 24 38 42	98 135 240 265
1615	12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	490	19 24 38 42	98 135 240 265
2012	14, 15, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50	800	24 38 42 48 50	165 310 340 400 420
2517	6, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65	1300	24 38 42 48 55 60	220 380 430 510 600 670
3535	25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75, 80, 85, 90	5000	42 60 75 90	1000 1580 2150 2600

Cuplajele elastice au rolul de a transmite miscarea de rotatie intre 2 arbori cu preluarea socurilor din transmise iar in acelasi timp compenseaza erorile de aliniere axiale si radiale dintre cei doi arbori.

Cuplajele sunt confectionate sub doua categorii tipodimensionale „A" si „B", diferenta dintre cele doua fiind diametrul maxim al arborelui cu care pot fi cuplate. Acestea pot fi combinate intrere ele atat timp cat se respecta clasa de gabarit.



Tabel 11: Erori maxime de aliniere (n = 1500 rpm)

Gabarit	Eroare axiala maxima ΔK_{aP} [mm]	Eroare radiala maxima ΔK_r [mm]	Eroare unghiulara maxima ΔK_W [°]
19/24	1,2	0,20	1°30′
24/32	1,4	0,22	1°30′
28/38	1,5	0,25	1°30′
38/45	1,8	0,28	1°30′
42/55	2,0	0,32	1°30′
48/60	2,1	0,36	1°30′
55/70	2,2	0,38	1°30′
65/75	2,6	0,42	1°30′

Gabarit	Eroare axiala maxima ΔK_{aP} [mm]	Eroare radiala maxima ΔK_r [mm]	Eroare unghiulara maxima ΔK_W [°]
75/90	3,0	0,48	1°30′
90/100	3,4	0,50	1°30′
100/110	3,8	0,52	1°30′
110/125	4,2	0,55	1°30′
125/145	4,6	0,60	1°30′
140/160	5,0	0,62	1°30′
160/185	5,7	0,64	1°30′
180/200	6,4	0,68	1°30′

Valorile din tabel pentru erorile unghiulara si radiala trebuie corectate in cazul cand acestea actioneaza simultan asupra cuplajului.

92 Shore A

98 Shore A

64 Shore D

Tabel 12: Specificatii element elastic

Gabarit	Duritate		Cuplu [Nm]			Viteza maxima [rpm]	
	Culoare	Shore	T_{KN}	T_{Kmax}	T_{KW}	n (v=30 m/s)	n (v=40 m/s)
19/24	galben	92 Shore A	10	20	2,7	14000	19000
	rosu	98 Shore A	17	34	4,4	14000	19000
	verde	64 Shore D	21	42	5,5	14000	19000
24/32	galben	92 Shore A	35	70	9	10600	14000
	rosu	98 Shore A	60	120	16	10600	14000
	verde	64 Shore D	75	150	19,5	10600	14000
28/38	galben	92 Shore A	95	190	25	8500	11800
	rosu	98 Shore A	160	320	42	8500	11800
	verde	64 Shore D	200	400	52	8500	11800
38/45	galben	92 Shore A	190	380	49	7100	9500
	rosu	98 Shore A	325	650	85	7100	9500
	verde	64 Shore D	405	810	105	7100	9500

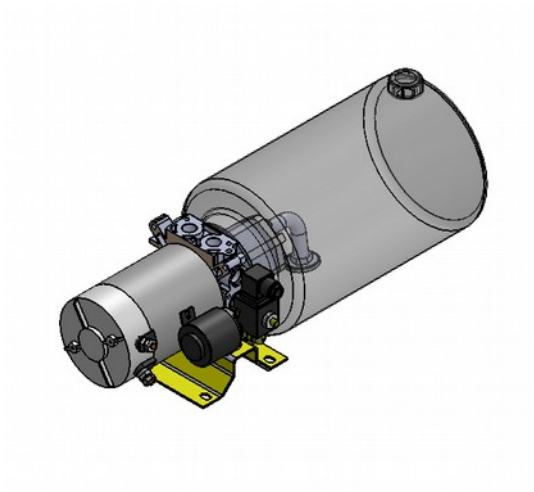
Gabarit	Duritate		Cuplu [Nm]			Viteza maxima [rpm]	
	Culoare	Shore	T_{KN}	T_{Kmax}	T_{KW}	n (v=30 m/s)	n (v=40 m/s)
42/55	galben	92 Shore A	265	530	69	6000	8000
	rosu	98 Shore A	450	900	117	6000	8000
	verde	64 Shore D	560	1120	145	6000	8000
48/60	galben	92 Shore A	310	620	81	5600	7100
	rosu	98 Shore A	525	1050	137	5600	7100
	verde	64 Shore D	655	1310	170	5600	7100
55/70	galben	92 Shore A	410	820	107	4750	6300
	rosu	98 Shore A	680	1250	178	4750	6300
	verde	64 Shore D	825	1650	215	4750	6300
65/75	galben	92 Shore A	625	1250	163	4250	5600
	rosu	98 Shore A	950	1900	245	4250	5600
	verde	64 Shore D	1175	2350	305	4250	5600
75/90	galben	92 Shore A	1280	2560	333	3550	4750
	rosu	98 Shore A	1950	3900	500	3550	4750
	verde	64 Shore D	2410	4820	325	3550	4750
90/100	galben	92 Shore A	2400	4800	624	2800	3750
	rosu	98 Shore A	3600	7200	936	2800	3750
	verde	64 Shore D	4500	9000	1170	2800	3750
100/110	galben	92 Shore A	3300	6600	860	2500	3350
	rosu	98 Shore A	4950	9900	1290	2500	3350
	verde	64 Shore D	6200	12400	1600	2500	3350
110/125	galben	92 Shore A	4800	9600	1250	2240	3000
	rosu	98 Shore A	7200	14400	1870	2240	3000
	verde	64 Shore D	9000	18000	2340	2240	3000
125/145	galben	92 Shore A	6650	13300	1730	2000	2650
	rosu	98 Shore A	10000	20000	2600	2000	2650
	verde	64 Shore D	12500	25000	3250	2000	2650
140/160	rosu	95 Shore A	12800	25600	3328	1800	2360
160/185	rosu	95 Shore A	19200	38400	4992	1500	2000
180/200	rosu	95 Shore A	28000	56000	7280	1400	1800

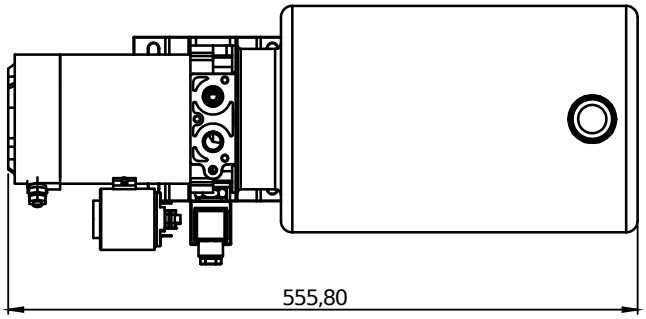
T_{KN} – cuplu nominal; T_{Kmax} – cuplu maxim; T_{KW} – cuplu pentru transmisii cu inversare sens

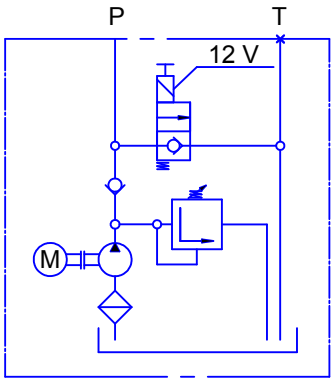
Agregate hidraulice

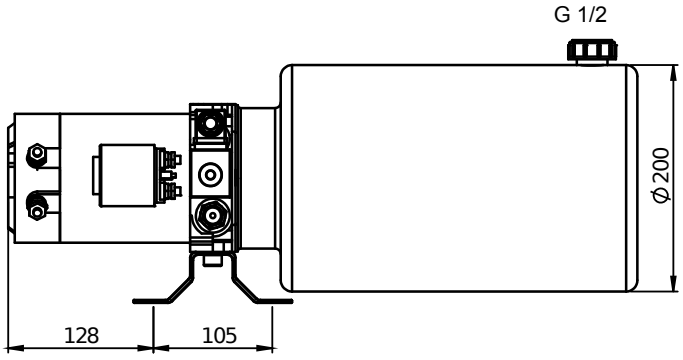
Agregat hidraulic HP-12/2.5/1.8

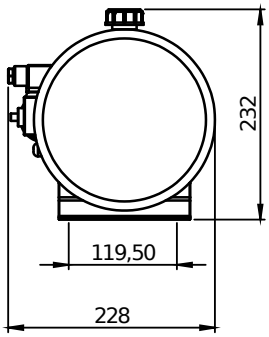
- Tensiune alimentare: 12V DC
- Putere motor: 2500 W
- Volum rezervor: 10 litri
- Pompa Vg: 1,8 cc / rot.
- Presiune maxima: 230 bar
- Supapa 2/2, ON/OFF, normal inchisa
- Regim de functionare S2 = 2 min.
- Pozitionare: orizontal





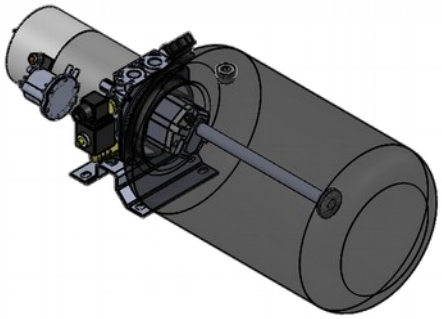


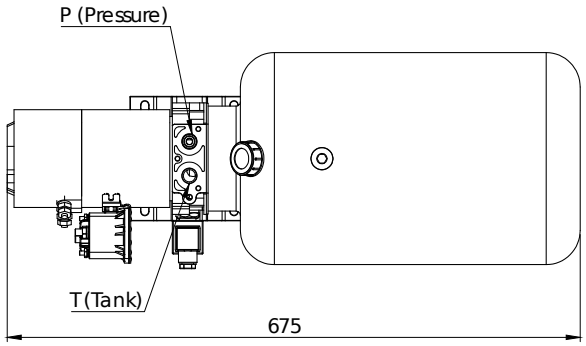


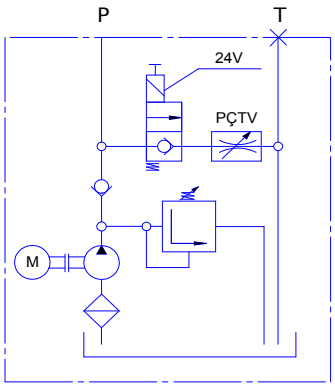


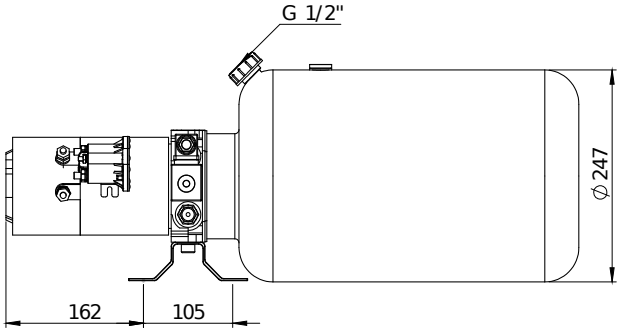
Agregat hidraulic HP-24/2.2/2.1

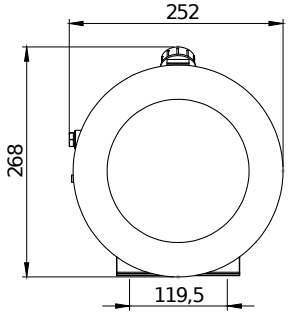
- Tensiune alimentare: 24V DC
- Putere motor: 2200 W, ventilat
- Volum rezervor: 18 litri
- Pompa Vg: 2,1 cc / rot.
- Presiune maxima: 210 bar
- Supapa 2/2, ON/OFF, normal inchisa
- Regim de functionare S2 = 8 min.
- Supapa regulator de debit cu compensare de presiune
- Pozitionare: vertical





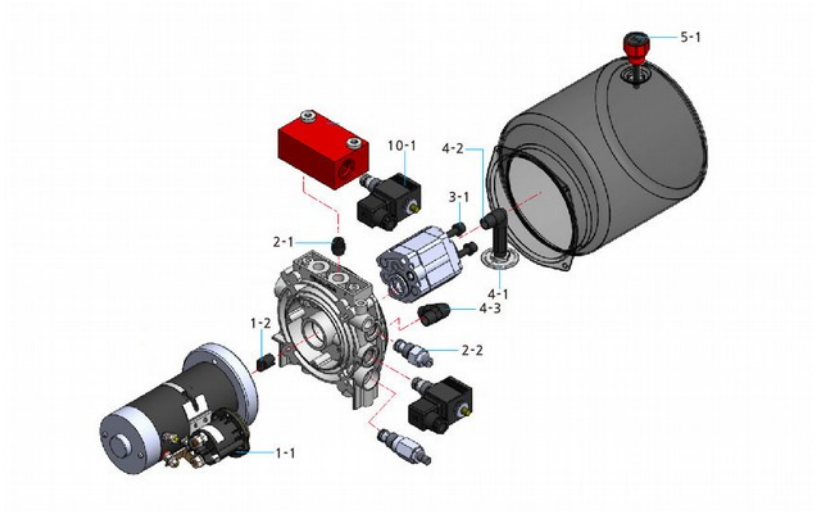


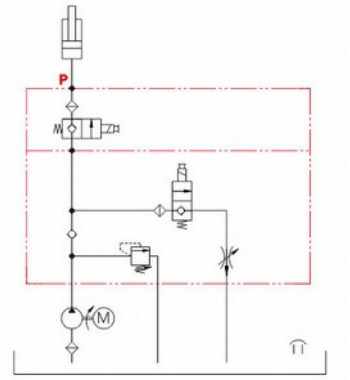




Agregat hidraulic platforma aeriana

- Presiune maxima: 230 bar
- Supapa regulator de presiune reglabila
- Supapa regulator de debit
- Regim de functionare: DC – S2; AC - S1
- Rezervor din otel
- Tensiune de alimatare: 12V DC / 24V DC / 230V AC

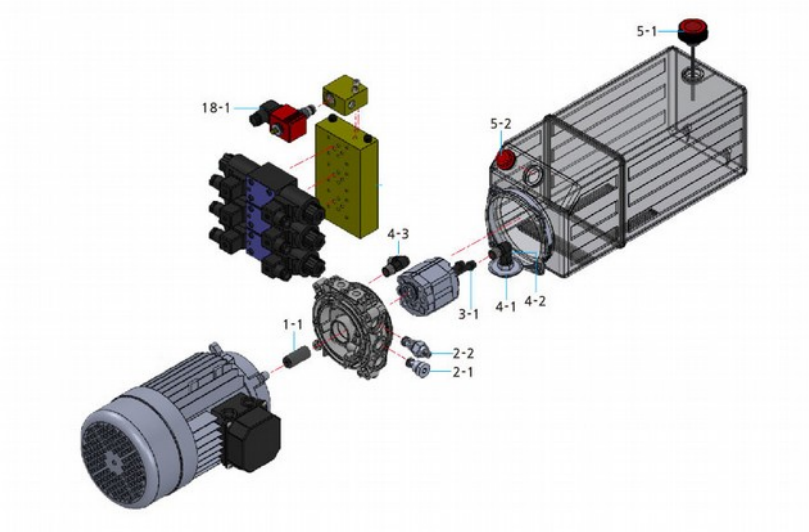


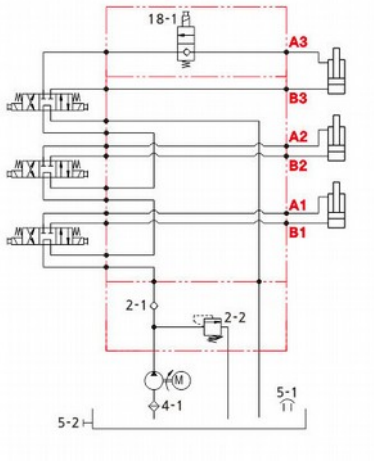


Model	Tensiune alimentare [V]	Putere motor [kW]	Turatie motor [rpm]	Vg pompa [cc/rot]	Debit maxim [l/min]	Presiune maxima [bar]
HP-AP 12H-16	12	1,6	2500	1,6	3,8	210
HP-AP 12H-25	12	2,5	2500	2,1	5	230
HP-AP 12H-30	12	3	2500	3,2	7,5	200
HP-AP 24H-22	24	2,2	2500	2,1	5	220
HP-AP 24H-30	24	3	2500	3,2	7,5	200
HP-AP 22H-15	230	1,5	1450	2,1	3	230
HP-AP 22H-20	230	2	1450	3,2	5	200

Agregat utilaj dejantat anvelope camion

- Presiune maxima: 230 bar
- Supapa regulator de presiune reglabila
- Supape 4/3 actionate electric
- Regim de functionare: S1
- Rezervor din otel
- Tensiune de alimatare: 230V AC / 380V AC

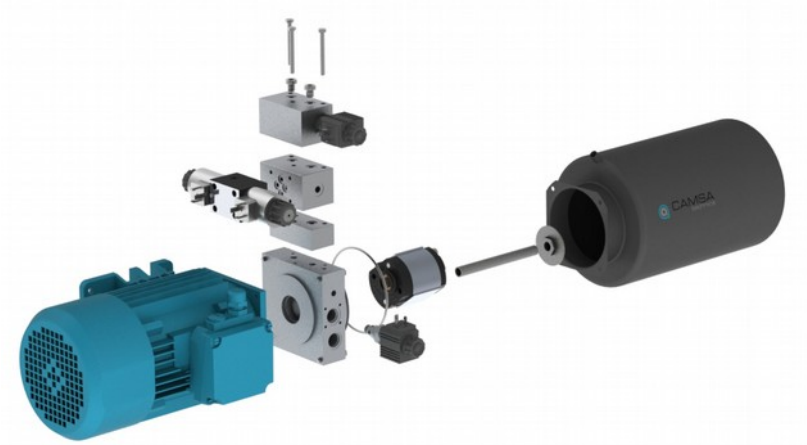


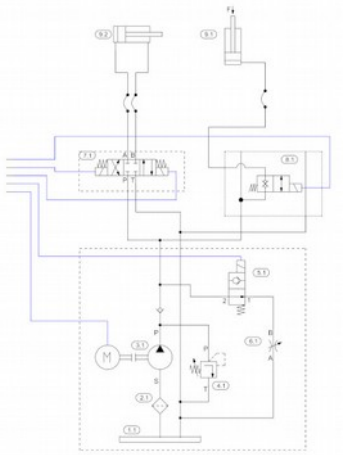


Model	Tensiune alimentare [V]	Putere motor [kW]	Turatie motor [rpm]	Vg pompa [cc/rot]	Debit maxim [l/min]	Presiune maxima [bar]
HP-TC 22V-20-1	230	2,0	1450	3,15	4,3	230
HP-TC 22V-202	230	2,0	1450	3,7	5	200
HP-TC 22V-30	230	3,0	1450	5,7	7,5	180
HP-TC 40V-20-1	380	2,0	1450	3,15	4,3	230
HP-TC 40V-20-2	380	2,0	1450	3,7	5	200
HP-TC 40V-30	380	3,0	1450	5,7	7,5	180

Agregat hidraulic pentru lama de zapada

- Pentru lame de zapada cu cilindru de ridicare cu simpla actiune
- Supapa regulator de presiune reglabila
- Control ridicare si orientare transversala
- Regim de functionare: S2
- Rezervor din otel
- Tensiune de alimatare: 12V DC / 24V DC





Model	Tensiune alimentare [V]	Putere motor [kW]	Turatie motor [rpm]	Vg pompa [cc/rot]	Debit maxim [l/min]	Presiune maxima [bar]
HP-SB 12H-16-1	12	1,6	2500	1,6	3,8	210
HP-SB 12H-16-2	12	1,6	2500	2,1	5	160
HP-SB 12H-25	12	2,5	2500	2,1	5	230
HP-SB 12H-30	12	3	2500	3,2	7,5	200
HP-SB 24H-22	24	2,2	2500	2,1	5	220
HP-SB 40H-30	24	3	2500	3,2	7,5	200

Nota: continutul acestui document a fost realizat cu cea mai mare grija, totusi este posibil ca unele informatii sa fie incomplete, sa se schimbe in timp sau sa existe greseli de redactare. CAMSA nu garanteaza ca informatiile din cuprinsul documentului sunt actuale, complete si corecte si nu ne asumam raspunderea pentru daunele provocate de utilizarea acestor informatii.