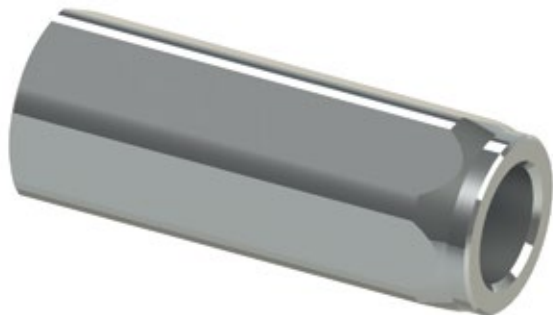


W *Oleoweb*
HYDRAULIC VALVES AND COMPONENTS

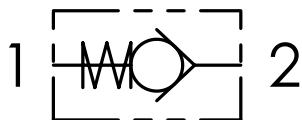


IN-LINE VALVES

VALVOLE IN LINEA



Schema idraulico - Hydraulic circuit



Codice ordinazione Ordering code

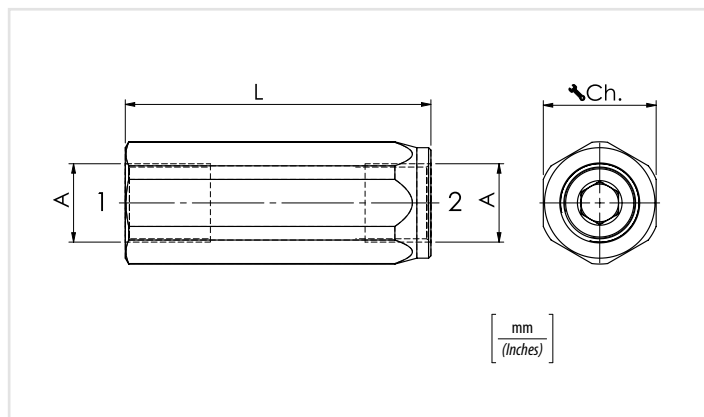
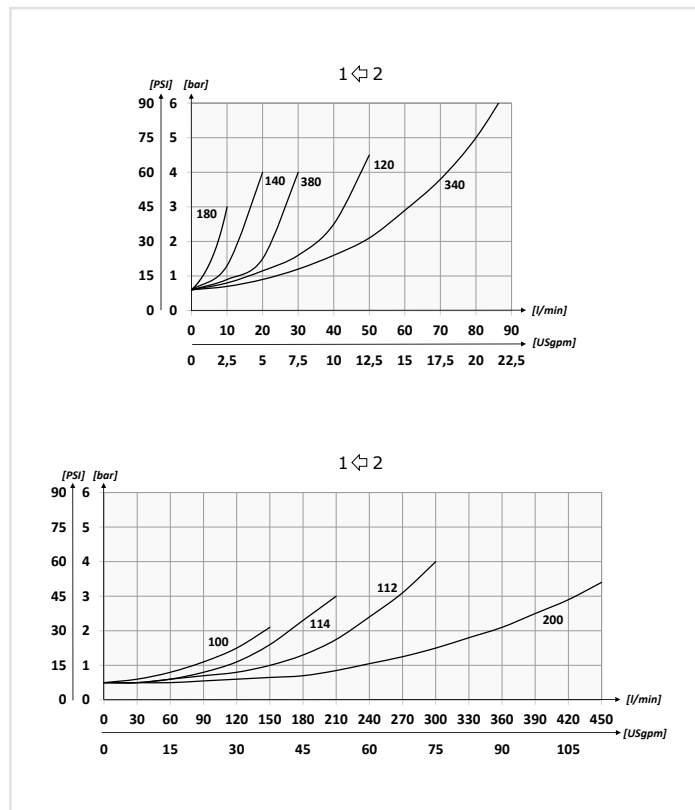
01	02	03	04
VUR			

01	Valvole unidirezionali a colonnetta F/F (F/F check housing valves)	VUR	
02	Dimensione (Size)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
		BSPP 1-1/2	112
		BSPP 2	200
03	Tenuta (Sealing)	Tenuta a sfera solo per VUR180/140/380/120 e molla 1 bar (Ball sealing only for VUR180/140/380/120 and spring 1 bar)	SF
		Tenuta a cono (Poppet sealing)	SP
04	Molla (Spring)	1 bar Standard (14.5 PSI)	1
		3 bar (43.5 PSI)	3
		4,5 bar (65.25 PSI)	4,5
		6 bar (87 PSI)	6

Dati tecnici - Technical data

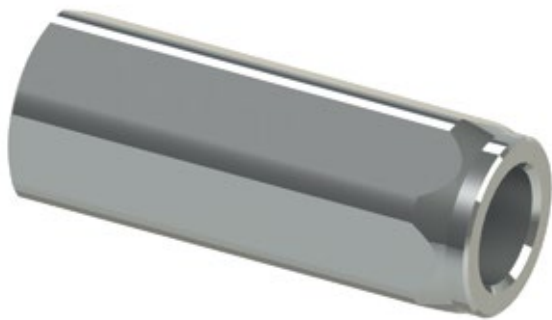
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F +176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
Trafilamento massimo Max leakage	0,25 cm³/min - 5 gocce/min 0,015 in ³ /min - 5 drops/min	

Performances

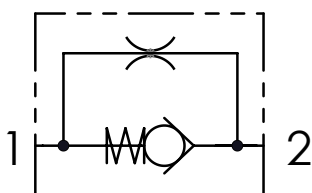


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata Max (l/min) Max flow (USgpm)	Pressione max (bar) Max Pressure (PSI)	L	Ch.	Peso approssimativo(kg) Approx weight (lb)
VUR180	BSPP 1/8	5 (1.3)	400 (5800)	47 (1.85)	14	0,05 (0.11)
VUR140	BSPP 1/4	15 (4.0)		55 (2.17)	19	0,10 (0.22)
VUR380	BSPP 3/8	30 (7.9)		65 (2.56)	24	0,18 (0.40)
VUR120	BSPP 1/2	50 (13.2)		75 (2.95)	27	0,23 (0.50)
VUR340	BSPP 3/4	90 (23.8)		86,5 (3.41)	35	0,45 (1)
VUR100	BSPP 1	150 (39.6)	350 (5075)	110 (4.33)	41	0,73 (1.6)
VUR114	BSPP 1-1/4	200 (52.8)		123 (4.84)	55	1,5 (3.3)
VUR112	BSPP 1-1/2	300 (79.2)		138 (5.43)	60	1,85 (4.07)
VUR200	BSPP 2	430 (113.5)	250 (3625)	145 (5.71)	70	2,7 (6)

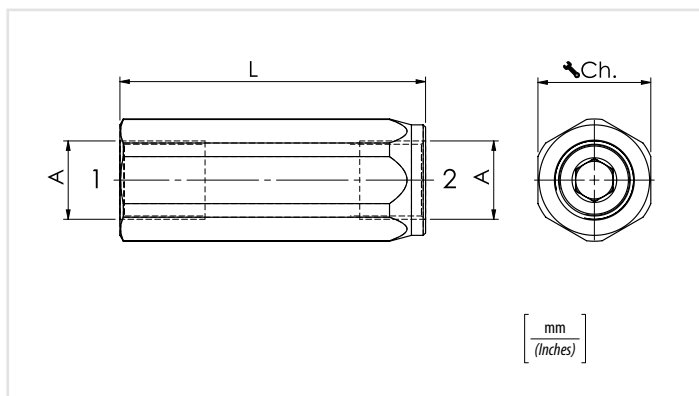


Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

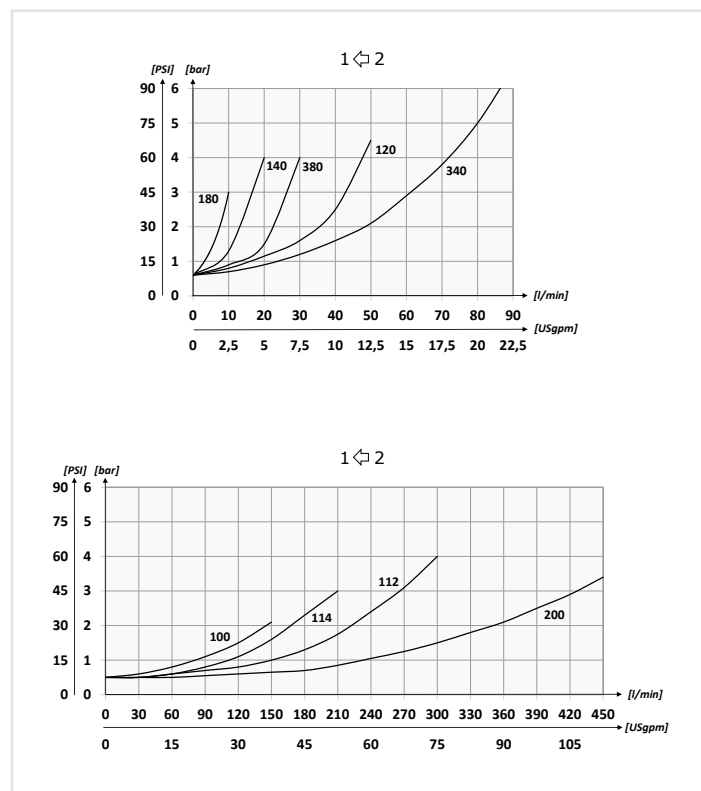


Codice ordinazione Ordering code

01	02	03	04	05
VUR		SP		

01	Valvole unidirezionali F/F a colonnetta con foro di strozzatura (F/F check housing valves with restriction hole)	VUR	
02	Dimensione (Size)	BSPP 1/8 180	
		BSPP 1/4 140	
		BSPP 3/8 380	
		BSPP 1/2 120	
		BSPP 3/4 340	
		BSPP 1 100	
		BSPP 1-1/4 114	
03	Tenuta (Sealing)	Tenuta a cono (Poppet sealing) SP	
	04	Molla (Spring)	1 bar Standard (14.5 PSI) 1
			3 bar (43.5 PSI) 3
			4,5 bar (65.25 PSI) 4,5
	6 bar (87 PSI) 6		
05	Foro di strozzatura (Restriction hole)	Indicare il diametro del foro. Esempio: VUR380SP1 con foro Ø 1,5 mm Cod. VUR380SP1-1,5 State the hole diameter Example: VUR380SP1-1,5 with Ø 0,06 in hole Cod. VUR380SP1-1,5	

Performances



Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata Max (l/min) Max flow (USgpm)	Pressione max (bar) Max Pressure (PSI)	L	Ch.	Peso approssimativo (kg) Approx weight (lb)
VUR180-H	BSPP 1/8	5 (1.3)	400 (5800)	47 (1.85)	14	0,05 (0.11)
VUR140-H	BSPP 1/4	15 (4.0)		55 (2.17)	19	0,10 (0.22)
VUR380-H	BSPP 3/8	30 (7.9)		65 (2.56)	24	0,18 (0.40)
VUR120-H	BSPP 1/2	50 (13.2)		75 (2.95)	27	0,23 (0.50)
VUR340-H	BSPP 3/4	90 (23.8)		86,5 (3.41)	35	0,45 (1)
VUR100-H	BSPP 1	150 (39.6)	350 (5075)	110 (4.33)	41	0,73 (1.6)
VUR114-H	BSPP 1-1/4	200 (52.8)		123 (4.84)	55	1,5 (3.3)
VUR112-H	BSPP 1-1/2	300 (79.2)		138 (5.43)	60	1,85 (4.07)
VUR200-H	BSPP 2	430 (113.5)	250 (3625)	145 (5.71)	70	2,7 (6)

01 02 03 04

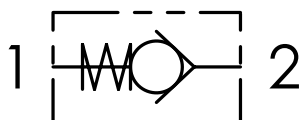
Codice ordinazione
Ordering code

VUR

SP



Schema idraulico - Hydraulic circuit

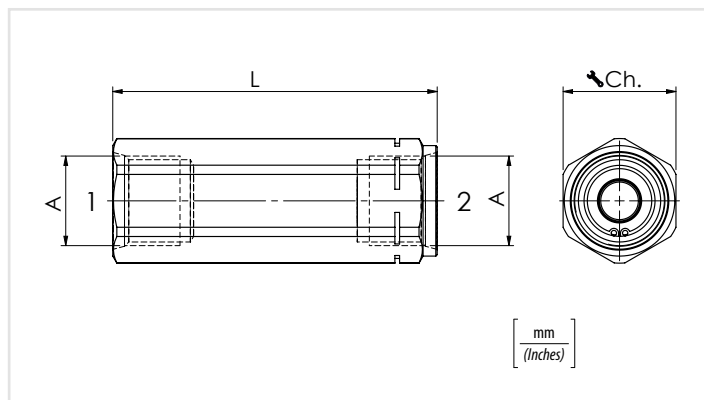
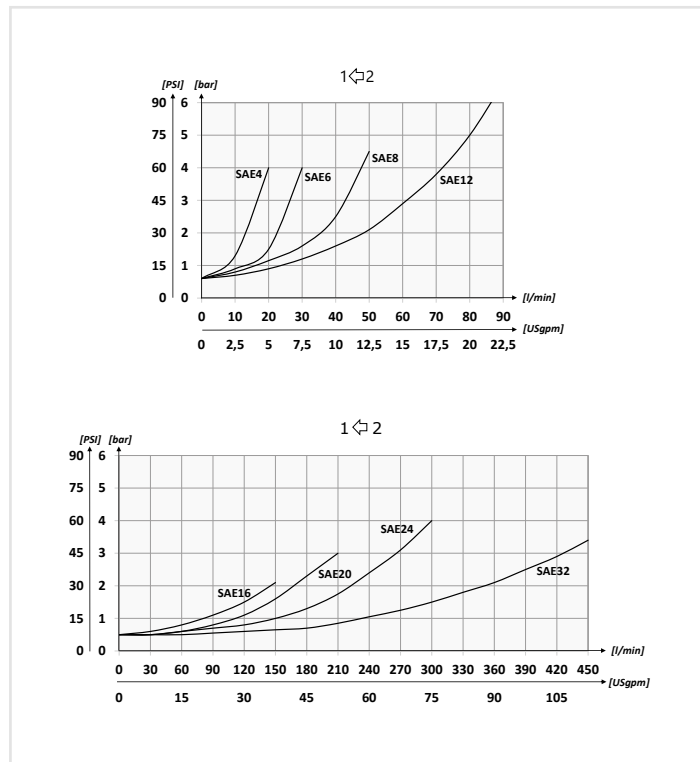


01	Valvole unidirezionali a colonnetta F/F (F/F check housing valves)	VUR
02	Dimensione (Size)	7/16-20UNF 4
		9/16-18UNF 6
		3/4-16UNF 8
		1-1/16-12 UN 12
		1-5/16-12 UN 16
		1-5/8-12 UN 20
		1-7/8-12 UN 24
03	Tenuta (Sealing)	Tenuta a cono (Poppet sealing) SP
04	Molla (Spring)	0,5 bar Standard (7.25 PSI) 0,5
		3 bar (43.5 PSI) 3
		4,5 bar (65.25 PSI) 4,5
		6 bar (87 PSI) 6

Dati tecnici - Technical data

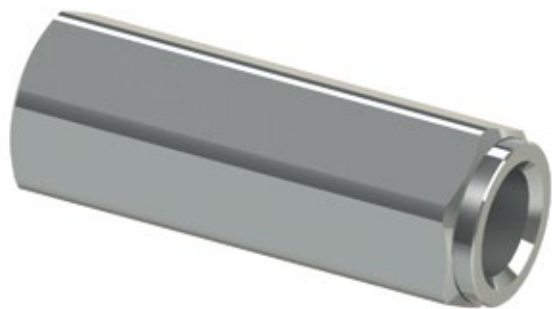
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	
Trafilamento massimo Max leakage	0,25 cm³/min - 5 gocce/min 0,015 in³/min - 5 drops/min

Performances

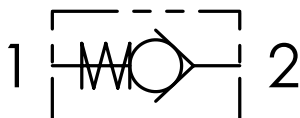


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata Max (l/min) Max flow (USgpm)	Pressione max (bar) Max Pressure (PSI)	L	Ch.	Peso approssimativo(kg) Approx weight (lb)
VUR4	7/16-20UNF	15 (4)	400 (5800)	55 (2.17)	19	0,11 (0.24)
VUR6	9/16-18UNF	30 (7.9)		58 (2.28)	19	0,09 (0.20)
VUR8	3/4-16UNF	50 (13.2)		69 (2.71)	24	0,18 (0.40)
VUR12	1-1/16-12 UN	90 (23.8)		88,5 (3.48)	35	0,45 (1)
VUR16	1-5/16-12 UN	150 (39.6)	350 (5075)	110 (4.33)	41	0,73 (1.6)
VUR20	1-5/8-12 UN	200 (52.8)		120 (4.72)	55	1,5 (3.43)
VUR24	1-7/8-12 UN	300 (79.2)		138 (5.43)	60	2,5 (5.5)
VUR32	2-1/2-12 UN	430 (113.5)			75	2,9 (6.4)

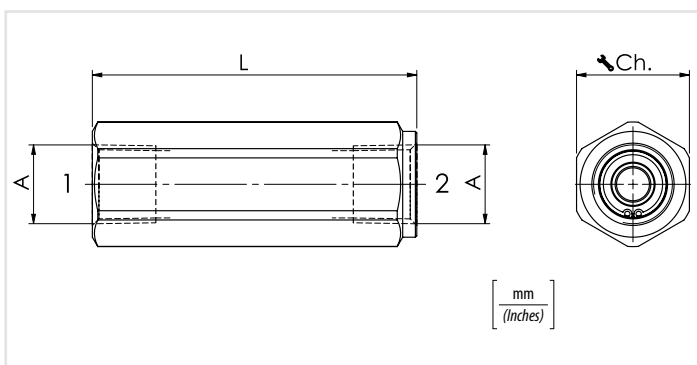


Schema idraulico - Hydraulic circuit



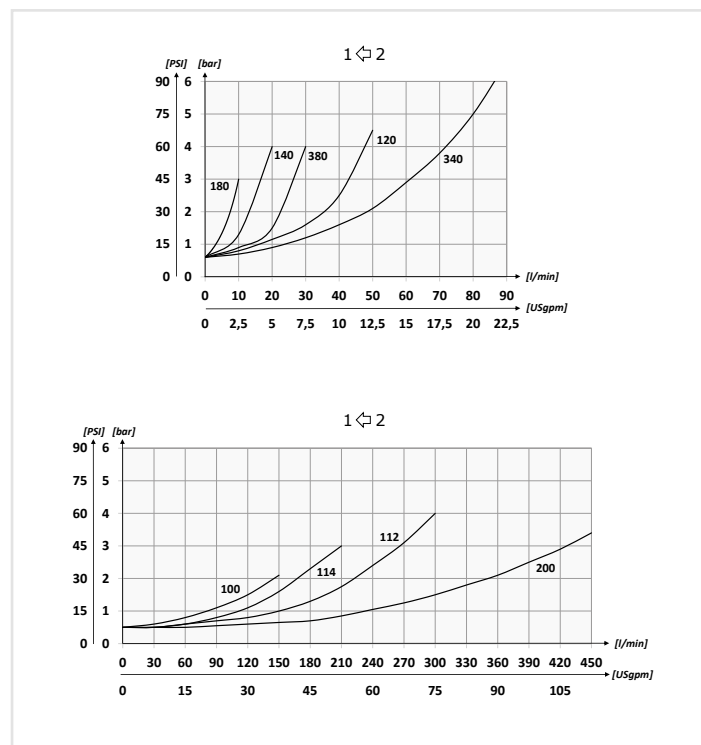
Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			
Trafilamento massimo Max leakage	0,25 cm ³ /min - 5 gocce/min	0,015 in ³ /min - 5 drops/min	



		01	02	03	04	05
Codice ordinazione Ordering code		VUR		N	SP	
01	Valvole unidirezionali a colonnetta F/F (F/F check housing valves)					VUR
02	Dimensione (Size)	1/8 NPTF				180
		1/4 NPTF				140
		3/8 NPTF				380
		1/2 NPTF				120
		3/4 NPTF				340
		1 NPTF				100
		1-1/4 NPTF				114
		1-1/2 NPTF				112
2 NPTF				200		
03	Filettatura (Thread)	NPTF				N
04	Tenuta (Sealing)	Tenuta a cono (Poppet sealing)				SP
05	Molla (Spring)	0,5 bar Standard (7.25 PSI)				0,5
		3 bar (43.5 PSI)				3
		4,5 bar (65.25 PSI)				4,5
		6 bar (87 PSI)				6

Performances

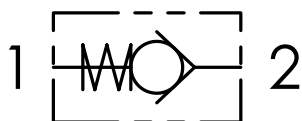


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata Max (l/min) Max flow (USgpm)	Pressione max (bar) Max Pressure (PSI)	L	Ch.	Peso approssimativo (kg) Approx weight (lb)
VUR180N	1/8 NPTF	5 (1,3)	400 (5800)	47 (1.85)	14	0,05 (0.11)
VUR140N	1/4 NPTF	15 (4)		58 (2.28)	19	0,10 (0.22)
VUR380N	3/8 NPTF	30 (7.9)		69 (2.72)	24	0,18 (0.40)
VUR120N	1/2 NPTF	50 (13.2)		75 (2.95)	27	0,23 (0.50)
VUR340N	3/4 NPTF	90 (23.8)		88,5 (3.48)	35	0,45 (1)
VUR100N	1 NPTF	150 (39.6)	350 (5075)	110 (4.33)	41	0,75 (1.7)
VUR114N	1-1/4 NPTF	200 (52.8)		120 (4.72)	55	1,5 (3.3)
VUR112N	1-1/2 NPTF	300 (79.2)		138 (5.43)	60	2,6 (5.7)
VUR200N	2 NPTF	430 (113.5)			75	3 (6.60)



Schema idraulico - Hydraulic circuit



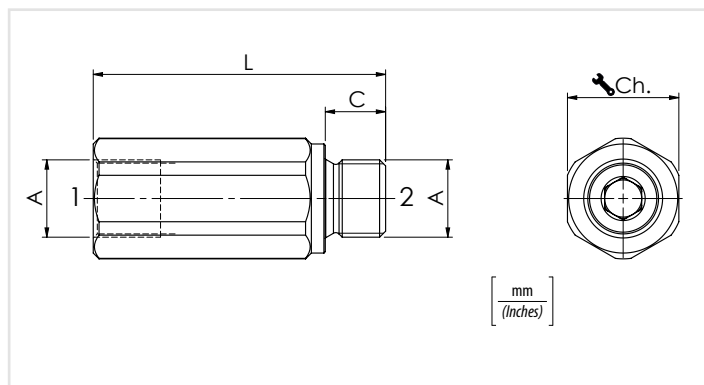
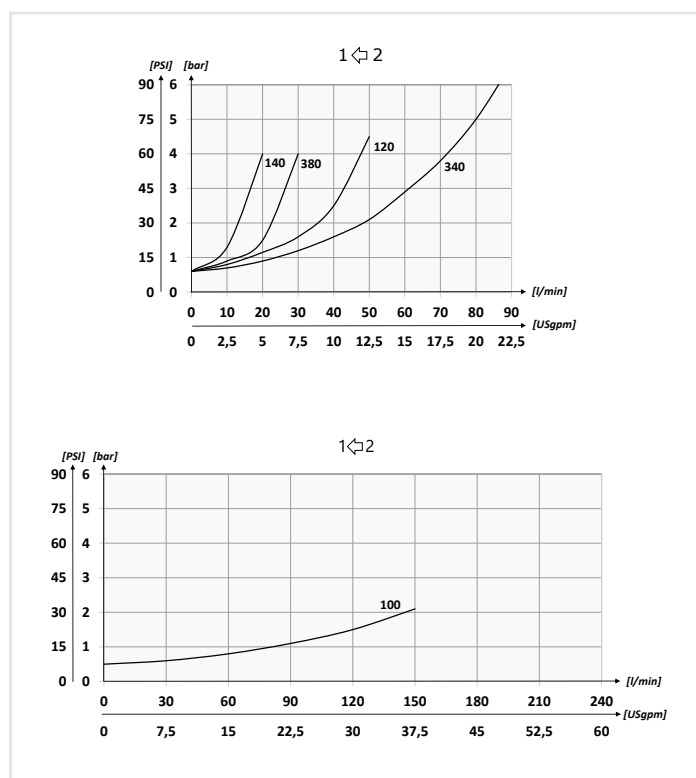
Codice ordinazione Ordering code	01	02	03	04
	VMF			

01	Valvole unidirezionali a colonnetta M/F (M/F check housing valves)	VMF	
02	Dimensione (Size)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	Tenuta (Sealing)	Tenuta a sfera solo per VMF140/380/120 e molla 1 bar (Ball sealing only for VMF140/380/120 and spring 1 bar)	SF
		Tenuta a cono (Poppet sealing)	SP
04	Molla (Spring)	1 bar Standard (14.5 PSI)	1
		3 bar (43.5 PSI)	3
		4,5 bar (65 PSI)	4,5
		6 bar (87 PSI)	6

Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			
Trafilamento massimo Max leakage	0-0,25 cm ³ /min. - 5 gocce/min.	0-0,015 in ³ /min. - 5 drops/min.	

Performances

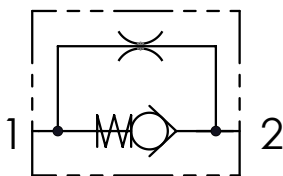


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata Max (l/min.) Max flow (USgpm)	Pressione max (bar) Max Pressure (PSI)	L	C	Ch.	Peso approssimativo(kg) Approx weight (lb)
VMF140	BSPP 1/4	15 (4)	400 (5800)	50 (1.96)	11 (0.43)	19 (0.75)	0,08 (0.18)
VMF380	BSPP 3/8	30 (8)		63 (2.48)	13 (0.51)	24 (0.94)	0,16 (0.35)
VMF120	BSPP 1/2	50 (13)		70 (2.75)	14 (0.55)	27 (1.06)	0,20 (0.44)
VMF340	BSPP 3/4	90 (23)		82 (3.23)	17 (0.67)	35 (1.38)	0,39 (0.86)
VMF100	BSPP 1	150 (40)	350 (5075)	100,5 (3.95)	19 (0.75)	41 (1.61)	0,63 (1.38)

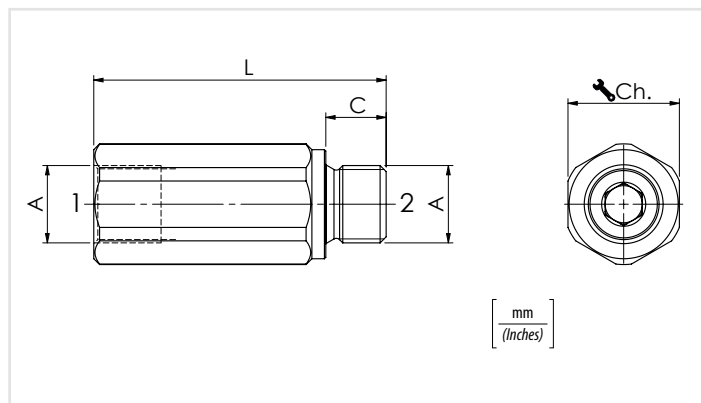


Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

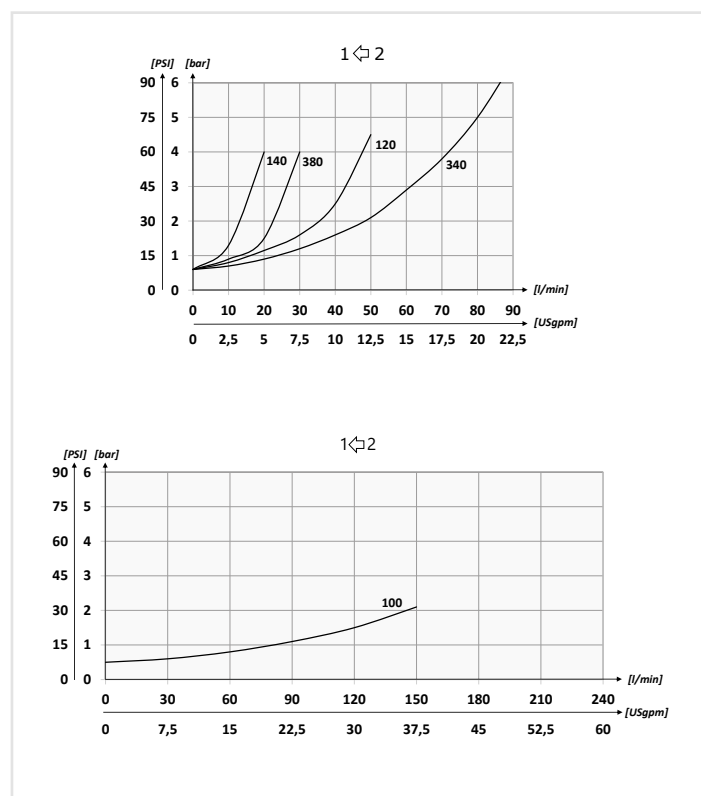
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro <i>Max contamination index with filter</i>	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) <i>It is necessary a filter use to protect the valve (advised filtration 15 µm)</i>	
Trafilamento massimo <i>Max leakage</i>	0-0,25 cm³/min. - 5 gocce/min. <i>0-0,015 in³/min. - 5 drops/min.</i>



Codice ordinazione <i>Ordering code</i>	01	02	03	04	05
	VMF		SP		

01	Valvole unidirezionali a colonnetta M/F (M/F check housing valves)	VMF	
02	Dimensione (Size)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	Tenuta (Sealing)	Tenuta a cono (Poppet sealing)	SP
04	Molla (Spring)	1 bar Standard (14.5 PSI)	1
		3 bar (43.5 PSI)	3
		4,5 bar (65 PSI)	4,5
		6 bar (87 PSI)	6
05	Foro di strozzatura (Restriction hole)	Indicare il diametro del foro. Esempio: VMF380SP1 con foro Ø 1,5 mm Cod. VMF380SP1-1,5 State the hole diameter Example: VMF380SP1-1,5 with Ø 0,06 in hole Cod. VMF380SP1-1,5	

Performances

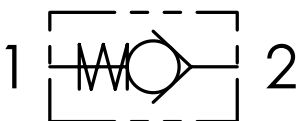


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata Max (l/min.) Max flow (USgpm)	Pressione max (bar) Max Pressure (PSI)	L	C	Ch.	Peso approssimativo (kg) Approx weight (lb)
VMF140-H	BSPP 1/4	15 (4)	400 (5800)	50 (1.96)	11 (0.43)	19 (0.75)	0,08 (0.18)
VMF380-H	BSPP 3/8	30 (8)		63 (2.48)	13 (0.51)	24 (0.94)	0,16 (0.35)
VMF120-H	BSPP 1/2	50 (13)		70 (2.75)	14 (0.55)	27 (1.06)	0,20 (0.44)
VMF340-H	BSPP 3/4	90 (23)		82 (3.23)	17 (0.67)	35 (1.38)	0,39 (0.86)
VMF100-H	BSPP 1	150 (40)	350 (5075)	100,5 (3.95)	19 (0.75)	41 (1.61)	0,63 (1.38)



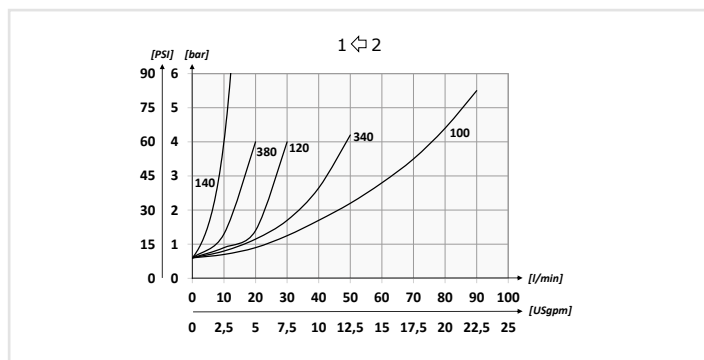
Schema idraulico - Hydraulic circuit



Codice ordinazione Ordering code	01	02	03	04
	VUN			

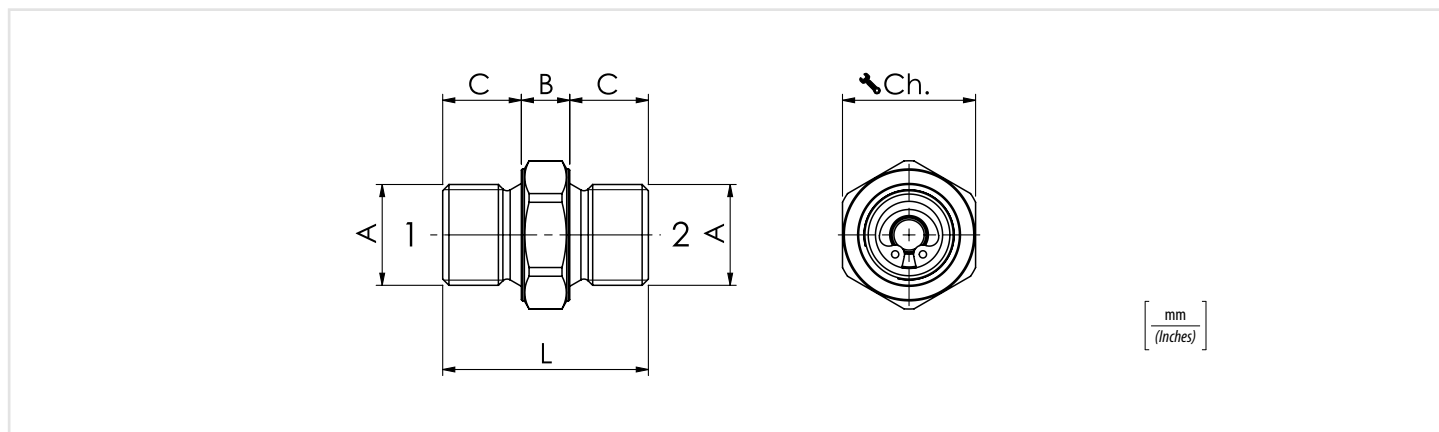
01	Valvole unidirezionali M/M (M/M Check valves)	VUN	
02	Dimensione (Size)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	Tenuta (Sealing)	Tenuta a sfera solo per VUN140/380/120 e molla 1 bar (Ball sealing only for VUN140/380/120 and spring 1 bar)	SF
		Tenuta a cono (Poppet sealing)	SP
04	Molla (Spring)	1 bar Standard (14.5 PSI)	1
		3 bar (43.5 PSI)	3
		4,5 bar (65.25 PSI)	4,5
		6 bar (87 PSI)	6

Performances



Dati tecnici - Technical data

Oilio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	
Trafilamento massimo Max leakage	0,25 cm³/min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

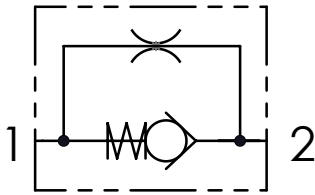


Caratteristiche tecniche - Technical characteristics

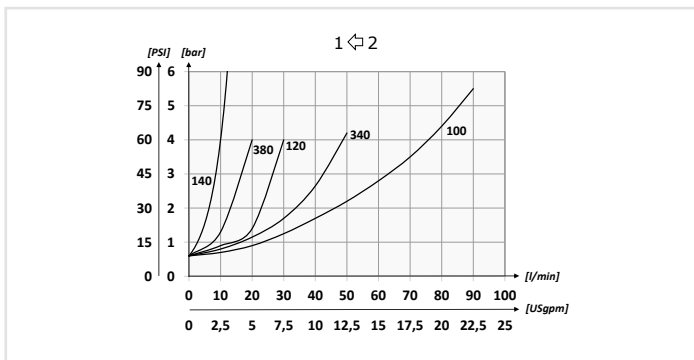
Codice Code	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	L	B	C	Ch.	Peso approssimativo (kg) Approx weight (lb)
VUN140	BSPP 1/4	5 (1.3)	500 (7250)	29 (0.28)	7 (1.27)	11 (0.43)	19	0,03 (0.066)
VUN380	BSPP 3/8	15 (4)		34 (1.34)	8 (0.31)	13 (0.51)	22	0,05 (0.01)
VUN120	BSPP 1/2	30 (7.9)		44 (1.73)	16 (0.63)	14 (0.55)	27	0,11 (0.24)
VUN340	BSPP 3/4	50 (13.2)		50 (1.97)	16 (0.63)	17 (0.67)	32	0,18 (0.40)
VUN100	BSPP 1	90 (23.8)		57 (2.24)	19 (0.75)	19 (0.75)	41	0,32 (0.71)



Schema idraulico - Hydraulic circuit



Performances



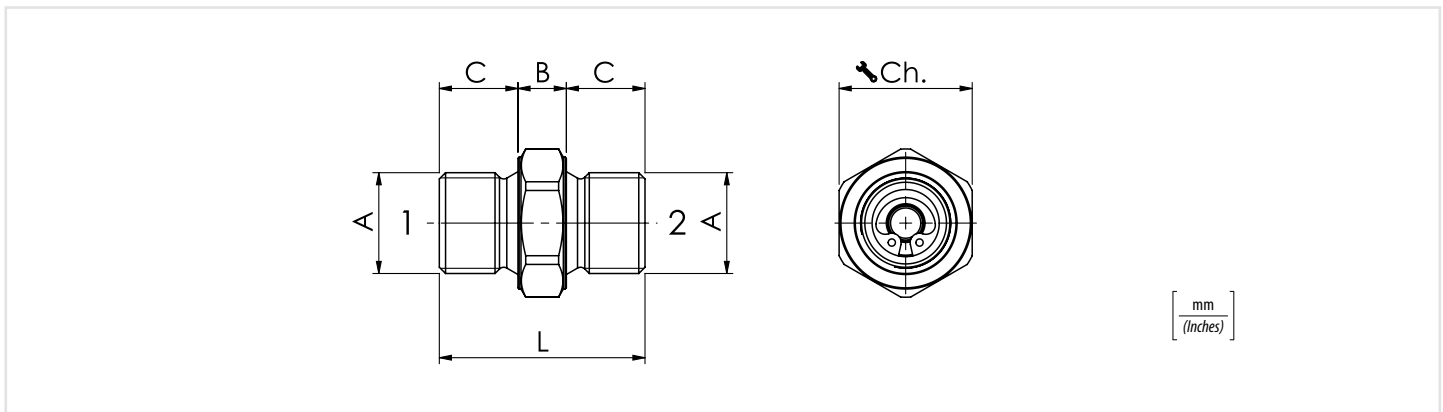
Codice ordinazione Ordering code

01	02	03	04	05
VUN		SP		

01	Valvole unidirezionali M/M con foro di strozzatura (M/M check valves with restriction hole)	VUN
02	Dimensione (Size)	BSPP 1/4 140
		BSPP 3/8 380
		BSPP 1/2 120
		BSPP 3/4 340
		BSPP 1 100
03	Tenuta (Sealing)	Tenuta a cono (Poppet sealing) SP
04	Molla (Spring)	1 bar Standard (14.5 PSI) 1
		3 bar (43.5 PSI) 3
		4,5 bar (65.25 PSI) 4,5
		6 bar (87 PSI) 6
05	Foro di strozzatura (Restriction hole)	Indicare il diametro del foro. Esempio: VUN380SP1 con foro Ø 1,5 mm Cod. VUN380SP1-1,5 State the hole diameter Example: VUN380SP1-1,5 with Ø 0,06 in hole Cod. VUN380SP1-1,5

Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	
Trafilamento massimo Max leakage	0,25 cm³/min - 5 gocce/min 0,015 in³/min - 5 drops/min



Caratteristiche tecniche - Technical characteristics

Codice Code	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	L	B	C	Ch.	Peso approssimativo (kg) Approx weight (lb)
VUN140-H	BSPP 1/4	5 (1.3)	500 (7250)	29 (0.28)	7 (1.27)	11 (0.43)	19	0,03 (0.066)
VUN380-H	BSPP 3/8	15 (4)		34 (1.34)	8 (0.31)	13 (0.51)	22	0,05 (0.01)
VUN120-H	BSPP 1/2	30 (7.9)		44 (1.73)	16 (0.63)	14 (0.55)	27	0,11 (0.24)
VUN340-H	BSPP 3/4	50 (13.2)		50 (1.97)	16 (0.63)	17 (0.67)	32	0,18 (0.40)
VUN100-H	BSPP 1	90 (23.8)		57 (2.24)	19 (0.75)	19 (0.75)	41	0,32 (0.71)



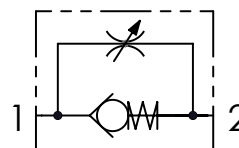
Codice ordinazione / Ordering code

01	02
VURF	

01	Valvole di controllo flusso unidirezionali (Unidirectional flow control valves)	VURF	
02	Dimensione (Size)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114

Tenuta a sfera solo per VURF 140/380/120
Ball sealing only for VURF 140/380/120

Schema idraulico - Hydraulic circuit



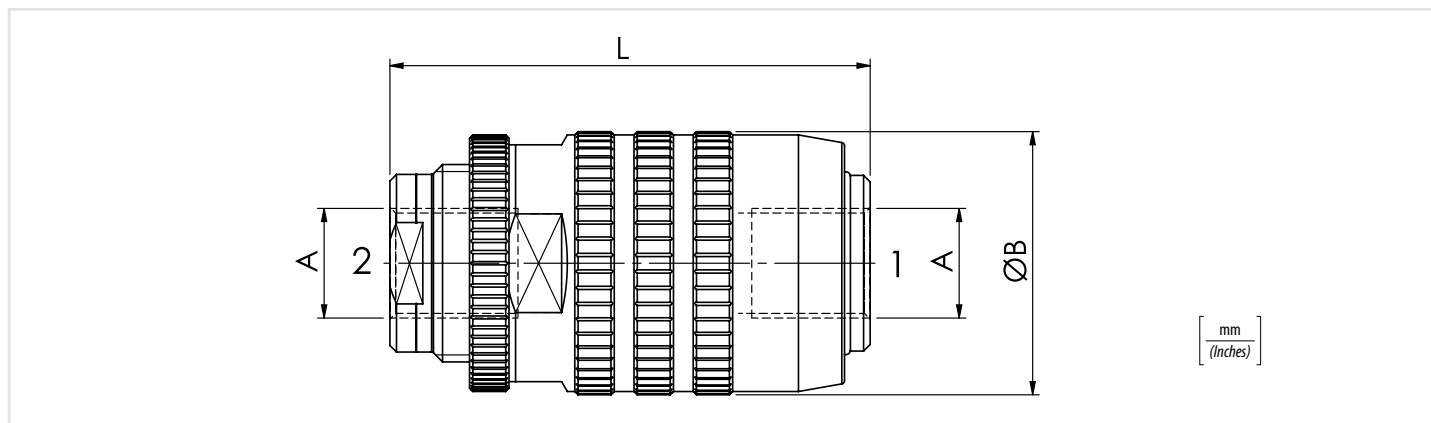
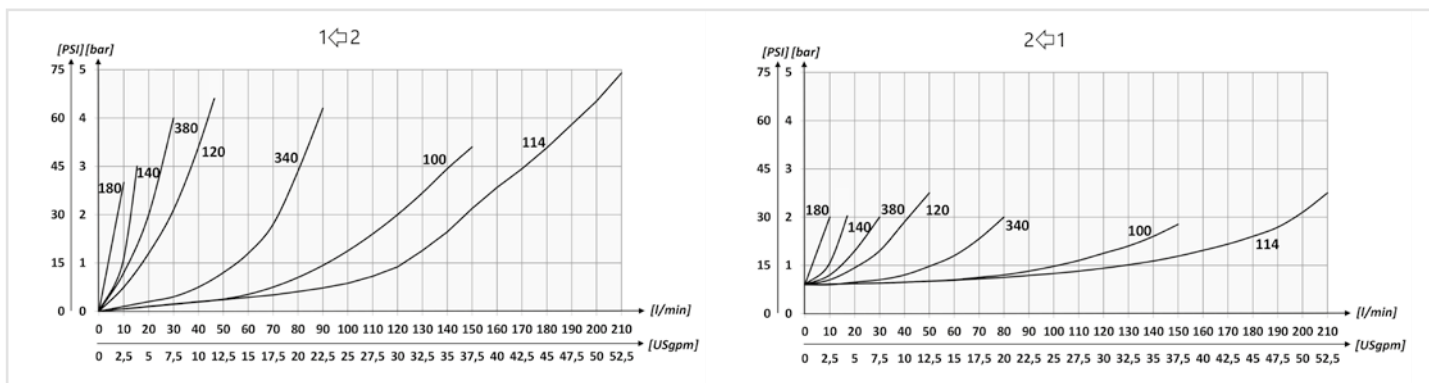
Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

Caratteristiche tecniche - Technical characteristics

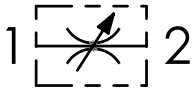
Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	L	Peso approssimativo Approx weight kg/lb
VURF180	BSPP 1/8	5 (1,3)	350 (5075)	25 (0.98)	48 (1.89)	0,12 (0.26)
VURF140	BSPP 1/4	15 (4)		34 (1.34)	62 (2.44)	0,28 (0.6)
VURF380	BSPP 3/8	30 (7.9)		39 (1.54)	73 (2.87)	0,46 (1.01)
VURF120	BSPP 1/2	45 (11.9)		44 (1.73)	83 (3.27)	0,66 (1.45)
VURF340	BSPP 3/4	85 (22.4)	300 (4350)	54 (2.13)	102 (4.02)	1,10 (2.42)
VURF100	BSPP 1	150 (39.6)	250 (3625)	65 (2.56)	124,5 (4.90)	1,9 (4.20)
VURF114	BSPP 1-1/4	200 (52.8)		75 (2.95)	144 (5.67)	2,95 (6.32)

Performances





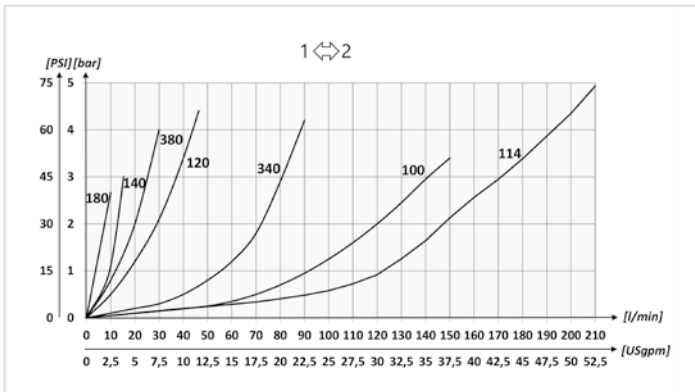
Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro <i>Max contamination index with filter</i>	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) <i>It is necessary a filter use to protect the valve (advised filtration 15 µm)</i>		

Performances

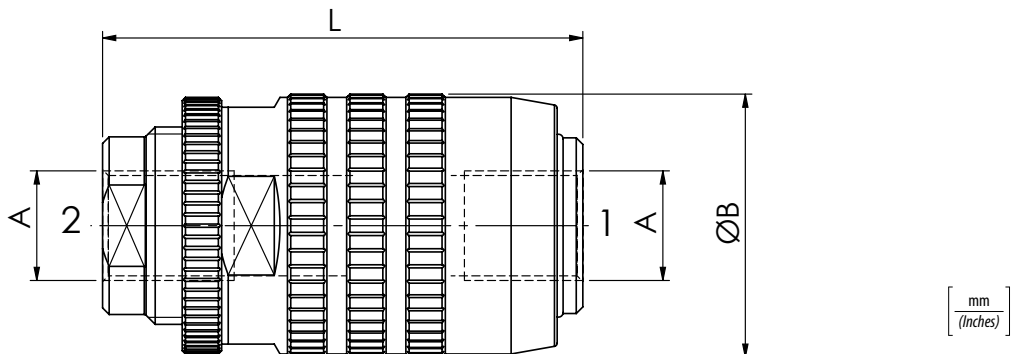


Codice ordinazione Ordering code	01	02
	VBRF	

01	Valvole di controllo flusso bidirezionali (Bidirectional flow control valves)	VBRF	
02	Dimensione (Size)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114

Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	L	Peso approssimativo Approx weight kg/lb
VBRF180	BSPP 1/8	5 (1,3)	350 (5075)	25 (0.98)	48 (1.89)	0,12 (0.26)
VBRF140	BSPP 1/4	15 (4)		34 (1.34)	62 (2.44)	0,28 (0.6)
VBRF380	BSPP 3/8	30 (7.9)		39 (1.54)	73 (2.87)	0,45 (1)
VBRF120	BSPP 1/2	45 (11.9)	300 (4350)	44 (1.73)	83 (3.27)	0,63 (1.4)
VBRF340	BSPP 3/4	85 (22.4)		54 (2.13)	102 (4.02)	1,06 (2.33)
VBRF100	BSPP 1	150 (39.6)		65 (2.56)	124,5 (4.90)	1,8 (4)
VBRF114	BSPP 1-1/4	200 (52.8)	250 (3625)	75 (2.95)	144 (5.67)	2,78 (5.96)





Codice ordinazione / Ordering code

01	02
STU	

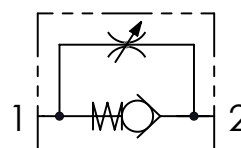
01	Valvole di controllo flusso unidirezionali (Unidirectional flow control valves)	STU	
02	Dimensione (Size)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
		BSPP 1-1/2	112

Tenuta a sfera solo per STU180/140/380/120
Ball sealing only for STU180/140/380/120

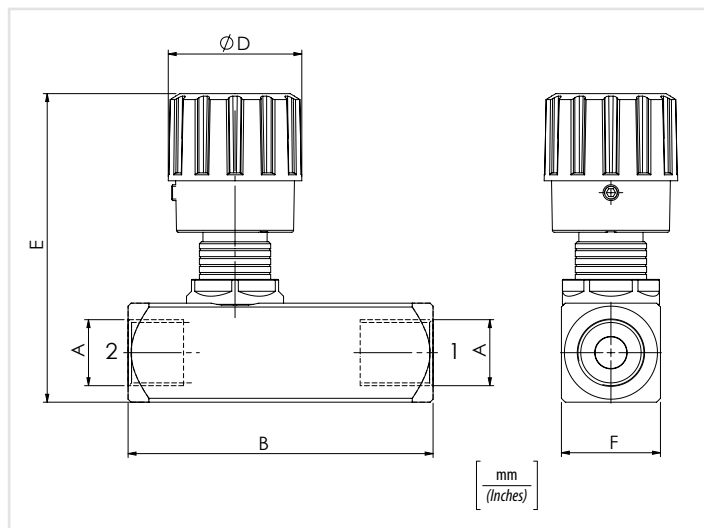
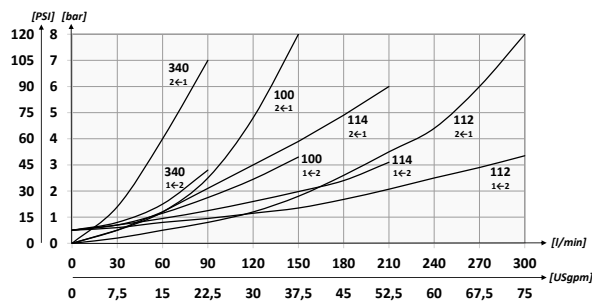
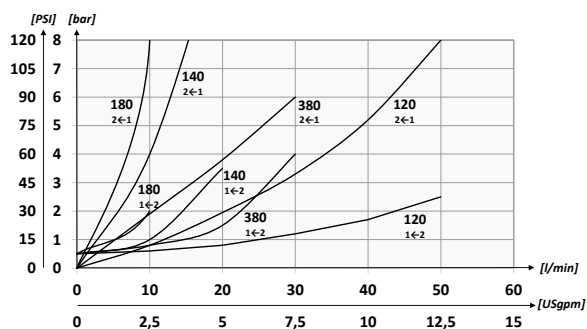
Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

Schema idraulico - Hydraulic circuit



Performances



Caratteristiche tecniche - Technical characteristics

Tipo / Type	A	Portata max (l/min) / Max flow (USgpm)	Pressione max (bar) / Max pressure (PSI)	B	D	E	F	Peso approssimativo / Approx weight (kg/lb)
STU180	BSPP 1/8	10 (2.6)	400 (5800)	58 (2.28)	20 (0.79)	53 (2.09)	20 (0.79)	0,19 (0.42)
STU140	BSPP 1/4	15 (4)		66 (2.60)	30 (1.18)	71,5 (2.81)	25 (0.98)	0,34 (0.75)
STU380	BSPP 3/8	30 (7.9)		77 (3.03)				0,36 (0.80)
STU120	BSPP 1/2	50 (13.2)		91 (3.58)	33 (1.30)	72 (2.83)	30 (1.18)	0,60 (1.3)
STU340	BSPP 3/4	80 (21.1)		112,5 (4.43)	42 (1.65)	94 (3.70)	40 (1.57)	1,33 (3)
STU100	BSPP 1	150 (39.6)		141 (5.55)				99 (3.90)
STU114	BSPP 1-1/4	200 (52.8)	350 (5075)	155 (6.10)	53 (2.09)	121,5 (4.78)	55 (2.17)	3,1 (6.8)
STU112	BSPP 1-1/2	300 (79.2)		168 (6.61)				131,5 (5.18)



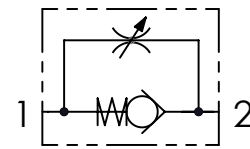
Codice ordinazione
Ordering code

01	02
STUF	

01	Valvole di controllo flusso unidirezionali (Unidirectional flow control valves)	STUF	
02	Dimensione (Size)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
	BSPP 1-1/2	112	

Tenuta a sfera solo per STU180/140/380/120
Ball sealing only for STU180/140/380/120

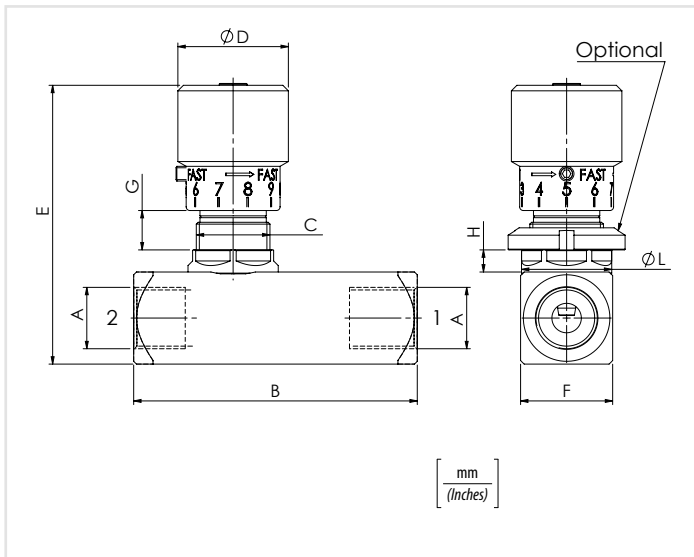
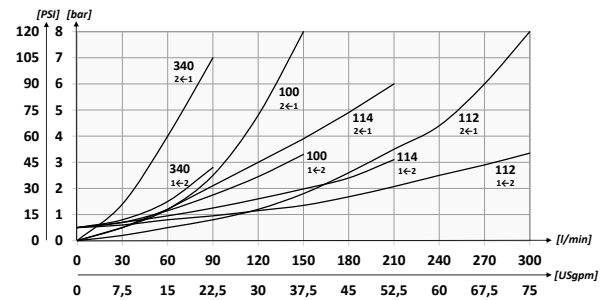
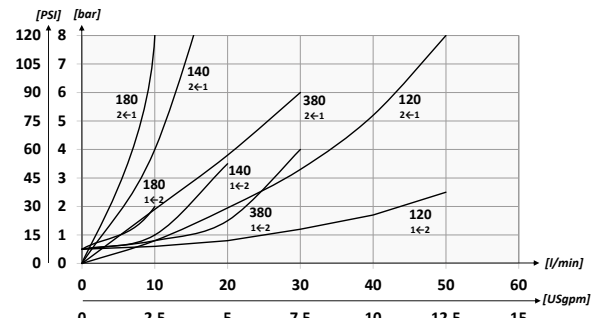
Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

Performances

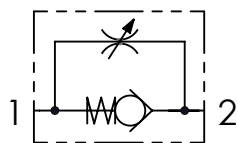


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	L	Optional Type	Peso approssimativo Approx weight kg/lb
STUF180	BSPP 1/8	10 (2.6)	400 (5800)	58 (2.28)	M15x1	20 (0.79)	60,5 (2.38)	20 (0.79)	8 (0.31)	5,5 (0.21)	19,5 (0.76)	84100031	0,20 (0.44)
STUF140	BSPP 1/4	15 (4)		66 (2.60)	M20x1								75 (2.95)
STUF380	BSPP 3/8	30 (7.9)		77 (3.03)	M25x1,5	33 (1.30)	81 (3.19)	30 (1.18)	9 (0.35)	7 (0.27)	29,5 (1.16)	84100023	0,40 (0.88)
STUF120	BSPP 1/2	50 (13.2)		91 (3.58)									M35x1,5
STUF340	BSPP 3/4	80 (21.1)		112,5 (4.43)	M45x1,5	42 (1.65)	115 (4.53)	45 (1.77)	13,5 (0.53)	10 (0.39)	50 (1.96)	84100030	1,45 (3.2)
STUF100	BSPP 1	150 (39.6)	141 (5.55)	115 (4.53)									45 (1.77)
STUF114	BSPP 1-1/4	200 (52.8)	350 (5075)	155 (6.10)	53 (2.09)	137 (5.39)	55 (2.17)	13,5 (0.53)	10 (0.39)	50 (1.96)	84100030	3,3 (7.25)	
STUF112	BSPP 1-1/2	300 (79.2)		168 (6.61)								147 (5.79)	65 (2.56)

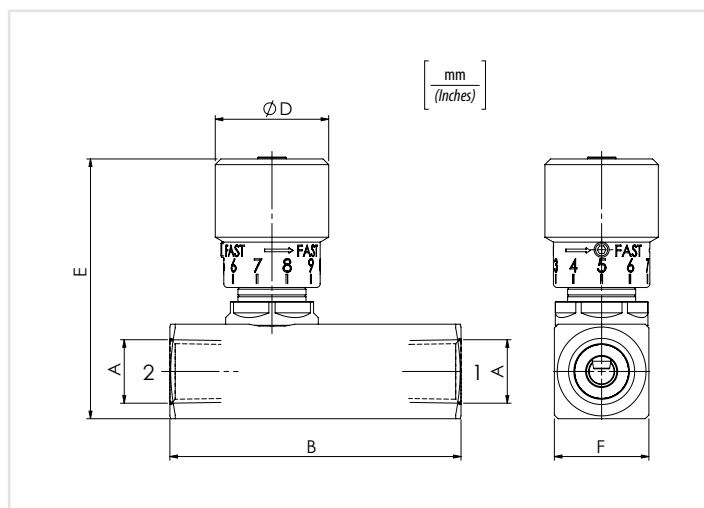


Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

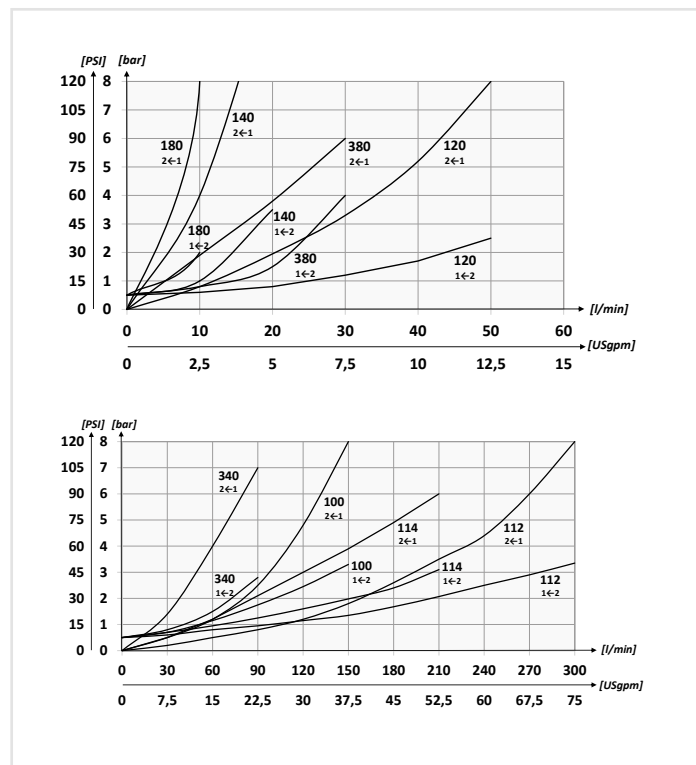
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	



Codice ordinazione Ordering code	01	02	03
	STU		N

01	Valvole di controllo flusso unidirezionali (Unidirectional flow control valves)	STU	
02	Dimensione (Size)	NPTF 1/8	180
		NPTF 1/4	140
		NPTF 3/8	380
		NPTF 1/2	120
		NPTF 3/4	340
		NPTF 1	100
		NPTF 1-1/4	114
03	Filettatura (Thread)	NPTF	N
		NPTF 1-1/2	112

Performances

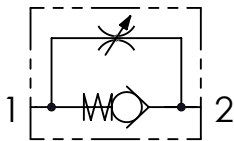


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	D	E	F	Peso approssimativo Approx weight kg/lb
STU180N	NPTF 1/8	10 (2.6)	400 (5800)	58 (2.28)	20 (0.79)	53 (2.08)	20 (0.79)	0,19 (0.42)
STU140N	NPTF 1/4	15 (4)		66 (2.60)				25 (0.98)
STU380N	NPTF 3/8	30 (7.9)		77 (3.03)	33 (1.30)	68 (2.68)	30 (1.18)	0,40 (0.9)
STU120N	NPTF 1/2	50 (13.2)		91 (3.58)				72 (2.83)
STU340N	NPTF 3/4	80 (21.1)		112,5 (4.43)	42 (1.65)	94 (3.70)	40 (1.57)	1,40 (3.09)
STU100N	NPTF 1	150 (39.6)	141 (5.55)	99 (3.90)				45 (1.77)
STU114N	NPTF 1-1/4	200 (52.8)	350 (5075)	155 (6.10)	53 (2.09)	121,5 (4.78)	55 (2.17)	3,06 (6.73)
STU112N	NPTF 1-1/2	300 (79.2)						168 (6.61)



Schema idraulico - Hydraulic circuit



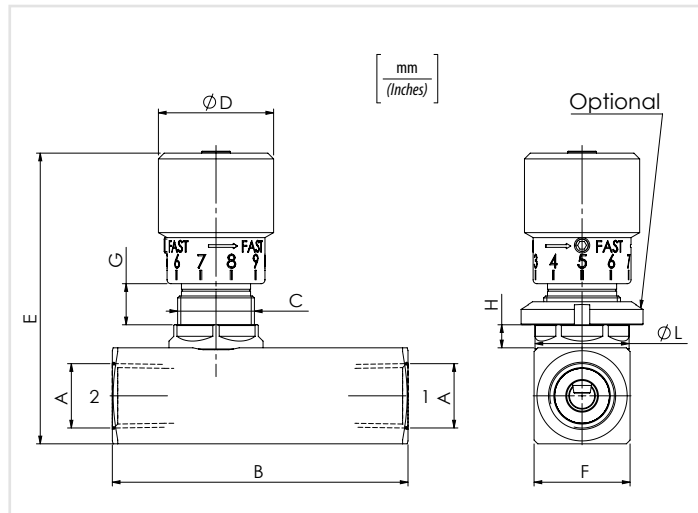
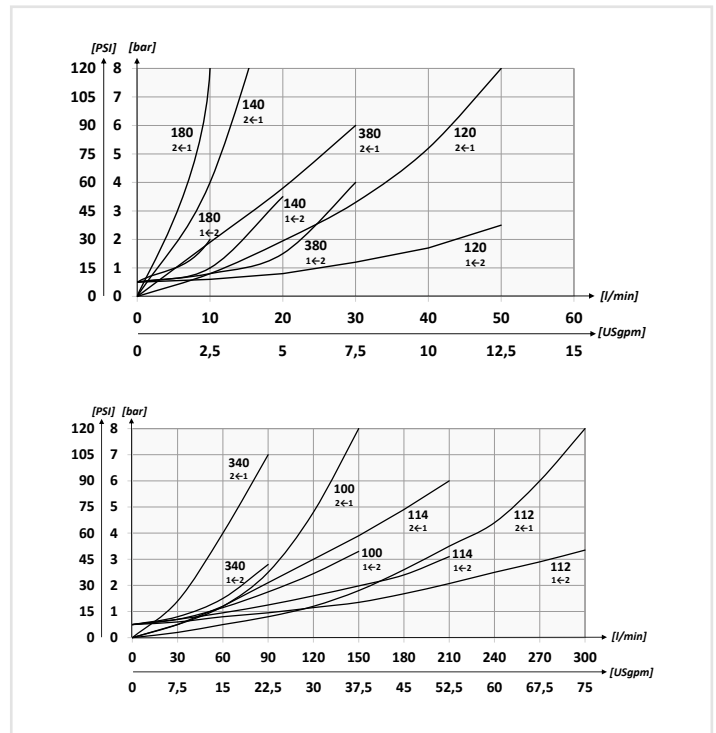
Dati tecnici - Technical data

olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

Codice ordinazione Ordering code	01	02	03
	STUF		N

01	Valvole di controllo flusso unidirezionali (Unidirectional flow control valves)	STUF	
02	Dimensione (Size)	NPTF 1/8	180
		NPTF 1/4	140
		NPTF 3/8	380
		NPTF 1/2	120
		NPTF 3/4	340
		NPTF 1	100
		NPTF 1-1/4	114
	NPTF 1-1/2	112	
03	Filettatura (Thread)	NPTF	N

Performances

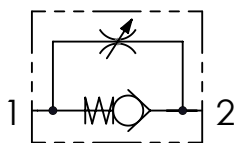


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	L	Optional Type	Peso approssimativo Approx weight kg/lb	
STUF180N	NPTF 1/8	10 (2.6)	400 (5800)	58 (2.28)	M15x1	20 (0.79)	60,5 (2.38)	20 (0.79)	8 (0.31)	5,5 (0.22)	19,5 (0.77)	84100031	0,20 (0.44)	
STUF140N	NPTF 1/4	15 (4)		66 (2.60)	M20x1	33 (1.30)	75 (2.95)	25 (0.98)	7,5 (0.30)	6 (0.24)	24,5 (0.96)	84100022	0,40 (0.88)	
STUF380N	NPTF 3/8	30 (7.9)		77 (3.03)	M25x1,5		81 (3.19)	30 (1.18)	9 (0.35)	7 (0.28)	29,5 (1.16)	84100023	0,63 (1.40)	
STUF120N	NPTF 1/2	50 (13.2)		91 (3.58)		M35x1,5	112,5 (4.43)	42 (1.65)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.56)	84100024
STUF340N	NPTF 3/4	80 (21.1)		112,5 (4.43)	141 (5.55)		115 (4.53)	45 (1.77)	115 (4.53)	45 (1.77)	8 (0.31)	39,5 (1.56)	84100024	2 (4.4)
STUF100N	NPTF 1	150 (39.6)	350 (5075)	155 (6.10)	M45x1,5	53 (2.09)	137 (5.39)	55 (2.17)	13,5 (0.53)	10 (0.39)	50 (1.97)	84100030	3,2 (7.05)	
STUF114N	NPTF 1-1/4	200 (52.8)		168 (6.61)		147 (5.79)	65 (2.56)	10 (0.39)	50 (1.97)	84100030	4,7 (10.3)			
STUF112N	NPTF 1-1/2	300 (79.2)		168 (6.61)	147 (5.79)	65 (2.56)	10 (0.39)	50 (1.97)	84100030	4,7 (10.3)				



Schema idraulico - Hydraulic circuit



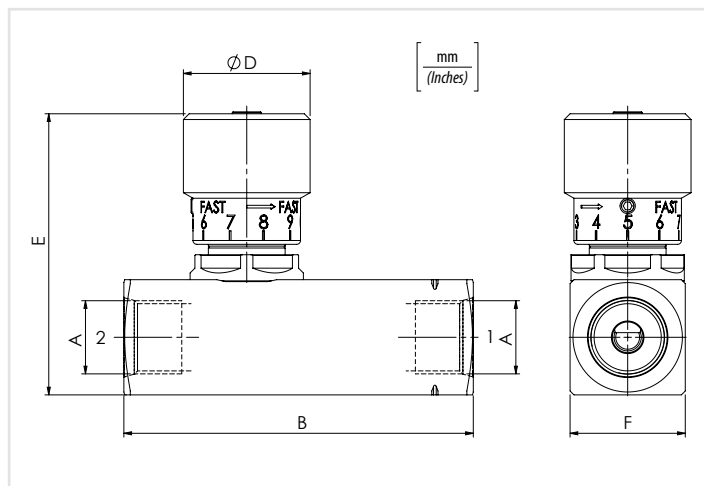
Codice ordinazione
Ordering code

01	02
STU	

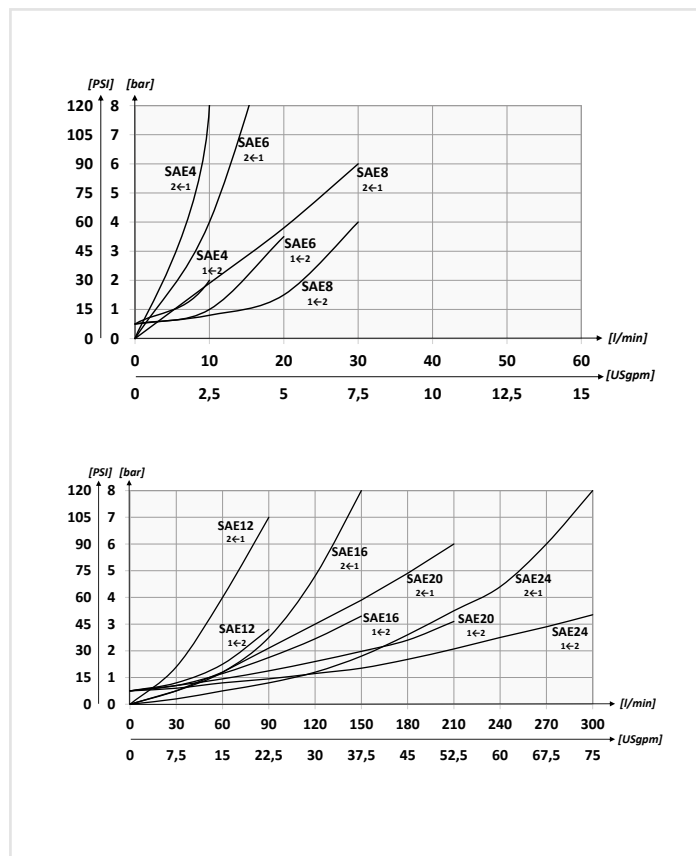
01	Valvole di controllo flusso unidirezionali (Unidirectional flow control valves)	STU	
02	Dimensione (Size)	7/16-20UNF Small	4S
		7/16-20UNF	4
		9/16-18UNF	6
		3/4-16UNF	8
		1-1/16-12UN	12
		1-5/16-12UN	16
		1-5/8-12UN	20
		1-7/8-12UN	24

Dati tecnici - Technical data

olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F +176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



Performances

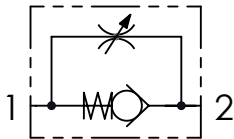


Caratteristiche tecniche - Technical characteristics

Tipo (Type)	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	D	E	F	Peso approssimativo (kg) Approx weight (lb)	
STU4S	7/16-20UNF	15 (4)	400 (5800)	66 (2.60)	33 (1.30)	68 (2.68)	20 (0.79)	0,21 (0.46)	
STU4							25 (0.98)	0,39 (0.85)	
STU6	9/16-18UNF	30 (7.9)		70,5 (2.78)		72 (2.83)	30 (1.18)	0,40 (0.9)	
STU8	3/4-16UNF	50 (13.2)		91 (3.58)			40 (1.57)	0,60 (1.3)	
STU12	1-1/16-12UN	80 (21.1)		350 (5075)	112,5 (4.43)	42 (1.65)	94 (3.70)	40 (1.57)	1,28 (2.80)
STU16	1-5/16-12UN	150 (39.6)			141 (5.55)		99 (3.90)	45 (1.77)	1,87 (4.11)
STU20	1-5/8-12UN	200 (52.8)		350 (5075)	155 (6.10)	53 (2.09)	121,5 (4.78)	55 (2.17)	3,06 (6.73)
STU24	1-7/8-12UN	300 (79.2)			168 (6.61)		131,5 (5.18)	65 (2.56)	4,5 (10)



Schema idraulico - Hydraulic circuit



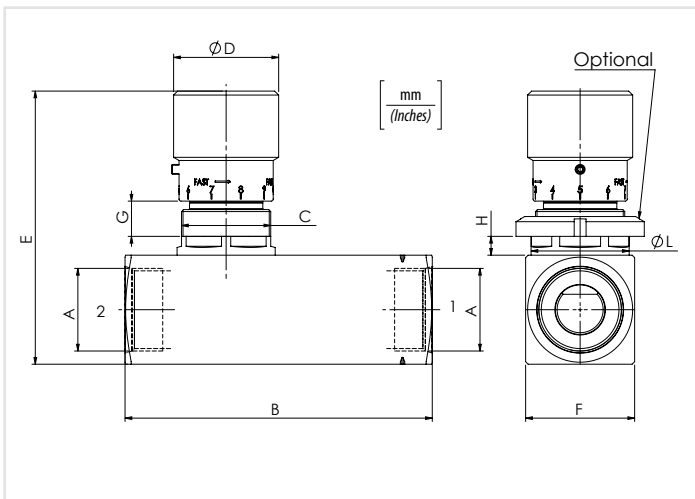
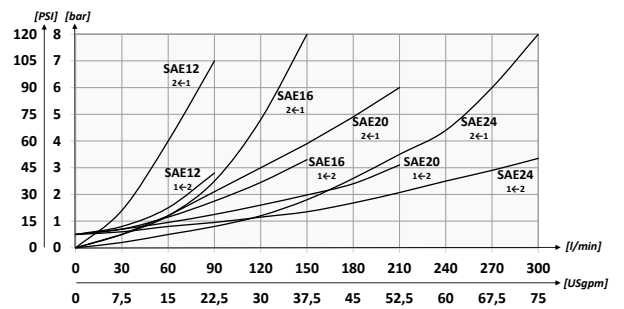
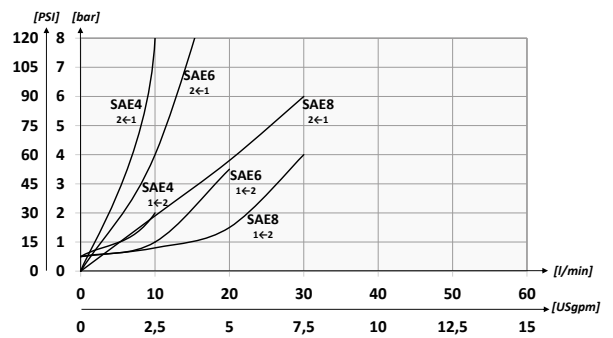
Codice ordinazione Ordering code	01	02
	STUF	

01	Valvole di controllo flusso unidirezionali (Unidirectional flow control valves)	STUF	
02	Dimensione (Size)	7/16-20UNF Small	45
		7/16-20UNF	4
		9/16-18UNF	6
		3/4-16UNF	8
		1-1/16-12UN	12
		1-5/16-12UN	16
		1-5/8-12UN	20
		1-7/8-12UN	24

Dati tecnici - Technical data

olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

Performances

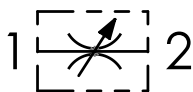


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	L	Optional Type	Peso approssimativo (kg) Approx weight (lb)
STUF45	7/16-20UNF	15 (4)	400 (5800)	66 (2.60)	M20x1	33 (1.30)	75 (2.95)	20 (0.79)	7,5 (0.30)	6 (0.24)	24,5 (0.96)	84100022	0,22 (0.48)
STUF4								25 (0.98)					0,41 (0.90)
STUF6	9/16-18UNF	30 (7.9)		70,5 (2.78)	M25x1,5		81 (3.19)	30 (1.18)	9 (0.35)	7 (0.28)	29,5 (1.16)	84100023	0,42 (0.92)
STUF8	3/4-16UNF	50 (13.2)		91 (3.58)									0,63 (1.40)
STUF12	1-1/16-12UN	80 (21.1)		112,5 (4.43)	M35x1,5		110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.56)	84100024	1,40 (3.10)
STUF16	1-5/16-12UN	150 (39.6)		141 (5.55)									115 (4.53)
STUF20	1-5/8-12UN	200 (52.8)		350 (5075)	M45x1,5		137 (5.39)	55 (2.17)	13,5 (0.53)	10 (0.39)	50 (1.97)	84100030	3,3 (7.25)
STUF24	1-7/8-12UN	300 (79.2)											168 (6.61)



Schema idraulico - Hydraulic circuit



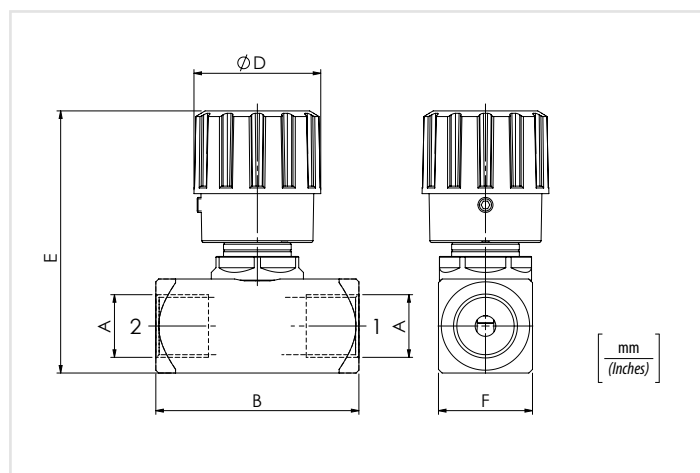
Codice ordinazione
Ordering code

01	02
STB	

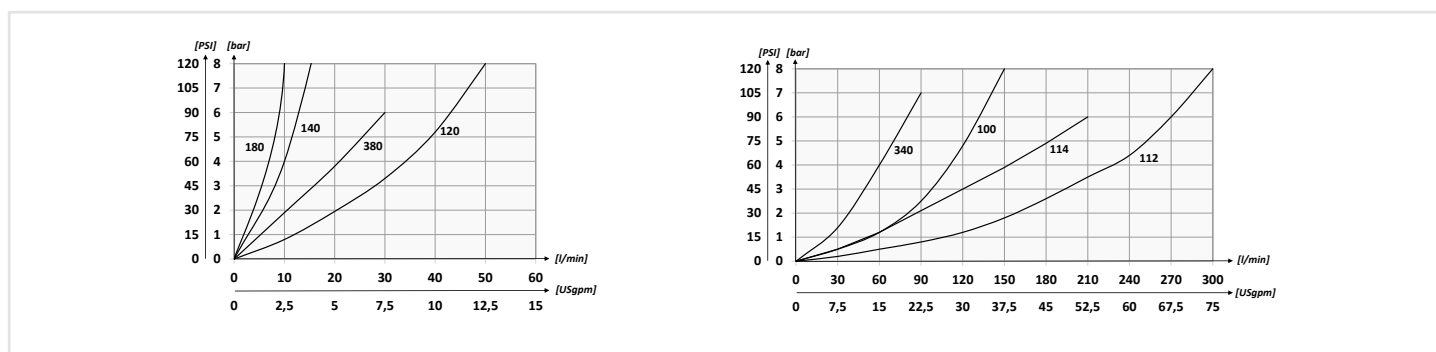
01	Valvole di controllo flusso bidirezionali (<i>Bidirectional flow control valves</i>)	STB	
02	Dimensione (<i>Size</i>)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
		BSPP 1-1/2	112

Dati tecnici - Technical data

Olío idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



Performances

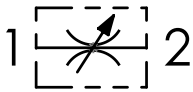


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	D	E	F	Peso approssimativo (kg) Approx weight (lb)
STB180	BSPP 1/8	10 (2.6)	400 (5800)	44 (1.73)	20 (0.79)	53 (2.09)	20 (0.79)	0,15 (0.33)
STB140	BSPP 1/4	15 (4)		54 (2.13)	33 (1.30)	71,5 (2.81)	25 (0.98)	0,29 (0.70)
STB380	BSPP 3/8	30 (7.9)		64 (2.52)		72 (2.83)	30 (1.18)	0,26 (0.57)
STB120	BSPP 1/2	50 (13.2)		81 (3.19)	42 (1.65)	94 (3.70)	40 (1.57)	1,02 (2.25)
STB340	BSPP 3/4	80 (21.1)		102 (4.01)		99 (3.90)	45 (1.77)	1,38 (3.04)
STB100	BSPP 1	150 (39.6)	350 (5075)	102 (4.01)	53 (2.09)	121,5 (4.78)	55 (2.17)	2,2 (4.8)
STB114	BSPP 1-1/4	200 (52.8)				131,5 (5.18)	65 (2.56)	3 (6.6)
STB112	BSPP 1-1/2	300 (79.2)						



Schema idraulico - Hydraulic circuit



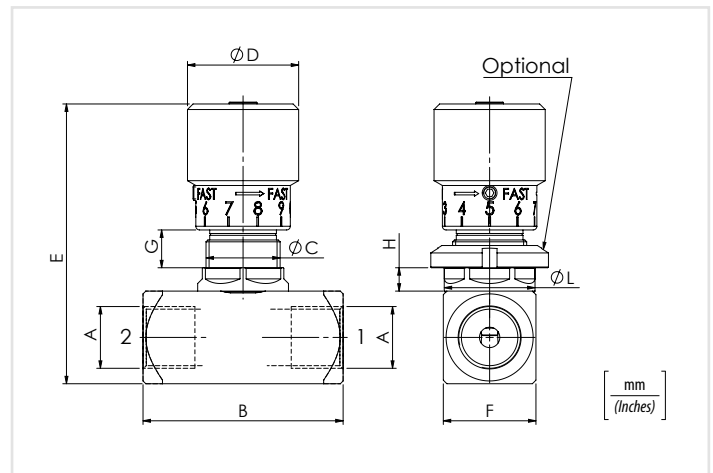
Codice ordinazione
Ordering code

01	02
STBF	

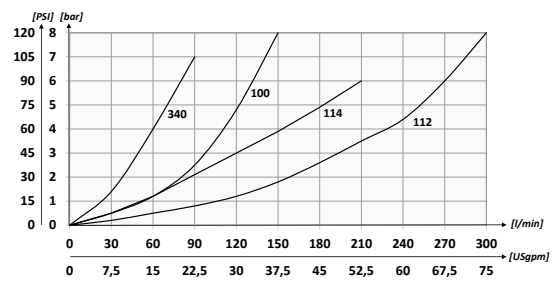
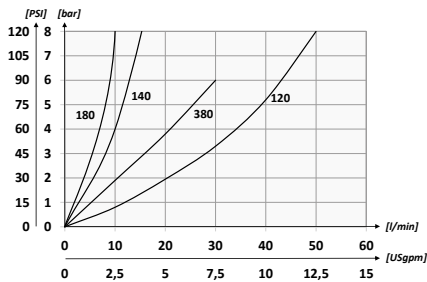
01	Valvole di controllo flusso bidirezionali (Bidirectional flow control valves)	STBF	
02	Dimensione (Size)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
		BSPP 1-1/4	114
		BSPP 1-1/2	112

Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			



Performances

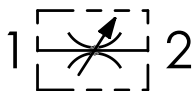


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	L	Optional Type	Peso approssimativo (kg) Approx weight (lb)
STBF180	BSPP 1/8	10 (2.6)	400 (5800)	44 (1.73)	M15x1	20 (0.79)	60,5 (2.38)	20 (0.79)	8 (0.31)	5,5 (0.22)	19,5 (0.77)	84100031	0,16 (0.36)
STBF140	BSPP 1/4	15 (4)		54 (2.13)	M20x1	33 (1.30)	75 (2.95)	25 (0.98)	7,5 (0.30)	6 (0.24)	24,5 (0.96)	84100022	0,31 (0.68)
STBF380	BSPP 3/8	30 (7.9)		64 (2.52)	M25x1,5								0,28 (0.62)
STBF120	BSPP 1/2	50 (13.2)		81 (3.19)	M35x1,5	42 (1.65)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.56)	84100024	0,48 (1.06)
STBF340	BSPP 3/4	80 (21.1)		115 (4.53)	45 (1.77)								1,13 (2.50)
STBF100	BSPP 1	150 (39.6)		350 (5075)	102 (4.01)	M45x1,5	53 (2.09)	137 (5.39)	55 (2.17)	13,5 (0.53)	10 (0.39)	50 (1.97)	84100030
STBF114	BSPP 1-1/4	200 (52.8)	2,37 (5.21)										
STBF112	BSPP 1-1/2	300 (79.2)	3,17 (7)										



Schema idraulico - Hydraulic circuit

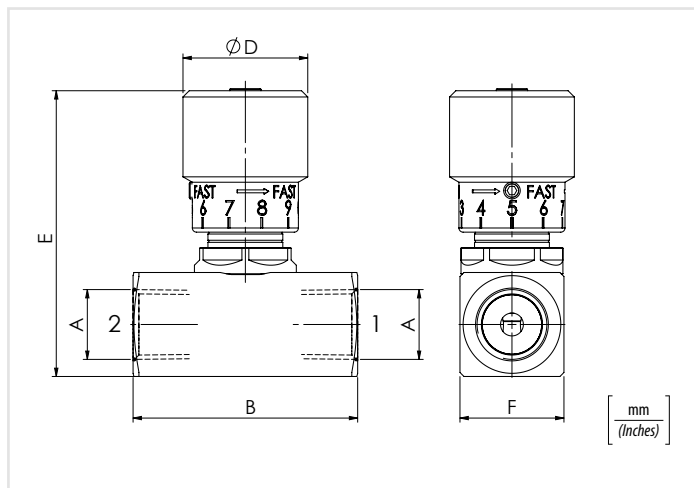


Codice ordinazione Ordering code	01	02	03
	STB		N

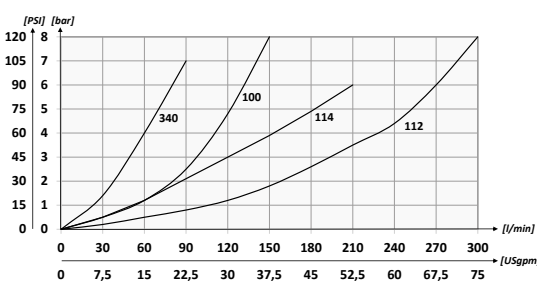
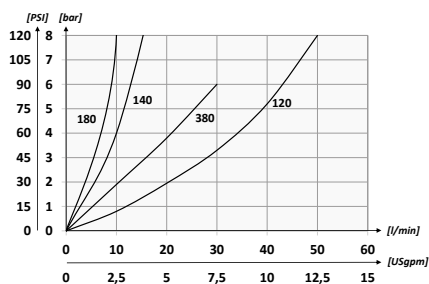
01	Valvole di controllo flusso bidirezionali (Bidirectional flow control valves)	STB	
02	Dimensione (Size)	NPTF 1/8	180
		NPTF 1/4	140
		NPTF 3/8	380
		NPTF 1/2	120
		NPTF 3/4	340
		NPTF 1	100
		NPTF 1-1/4	114
		NPTF 1-1/2	112
03	Filettatura (Thread)	NPTF	N

Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



Performances

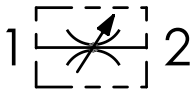


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	D	E	F	Peso approssimativo (kg) Approx weight (lb)	
STB180N	NPTF 1/8	10 (2.6)	400 (5800)	44 (1.73)	20 (0.79)	53 (2.09)	20 (0.79)	0,15 (0.33)	
STB140N	NPTF 1/4	15 (4)		54 (2.13)					
STB380N	NPTF 3/8	30 (7.9)		64 (2.52)	33 (1.30)	68 (2.68)	25 (0.98)	0,30 (0.66)	
STB120N	NPTF 1/2	50 (13.2)		81 (3.19)					
STB340N	NPTF 3/4	80 (21.1)		350 (5075)	102 (4.02)	42 (1.65)	94 (3.70)	40 (1.57)	1,05 (2.31)
STB100N	NPTF 1	150 (39.6)							
STB114N	NPTF 1-1/4	200 (52.8)	350 (5075)	102 (4.02)	53 (2.09)	121,5 (4.78)	55 (2.16)	2,27 (5.21)	
STB112N	NPTF 1-1/2	300 (79.2)							131,5 (5.18)



Schema idraulico - Hydraulic circuit

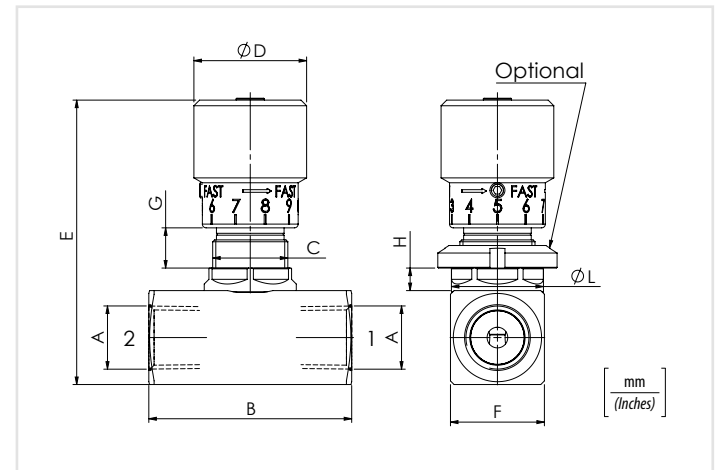


Codice ordinazione Ordering code	01	02	03
	STBF		N

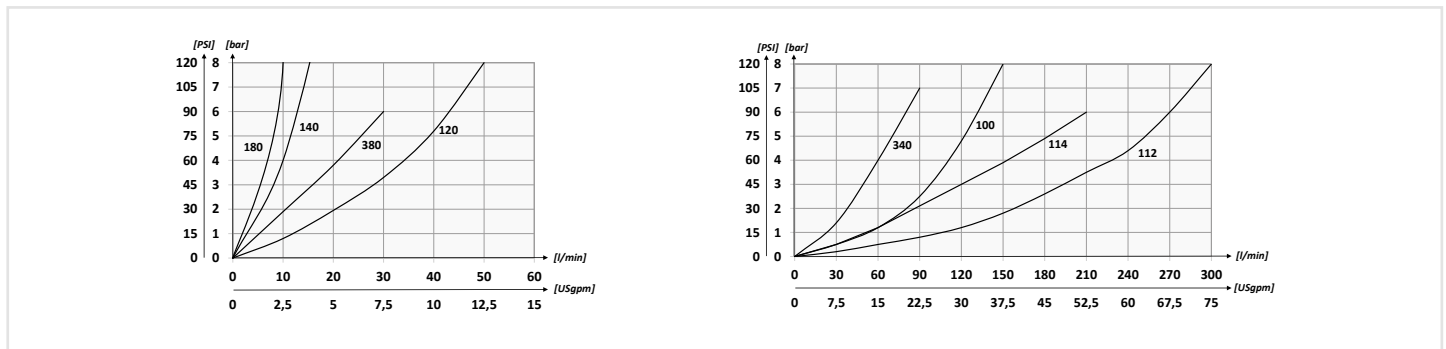
01	Valvole di controllo flusso bidirezionali (Bidirectional flow control valves)	STBF	
02	Dimensione (Size)	NPTF 1/8	180
		NPTF 1/4	140
		NPTF 3/8	380
		NPTF 1/2	120
		NPTF 3/4	340
		NPTF 1	100
		NPTF 1-1/4	114
03	Filettatura (Thread)	NPTF 1-1/2	112
		NPTF	N

Dati tecnici - Technical data

olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			



Performances



Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	L	Optional Type	Peso approssimativo (kg) Approx weight (lb)	
STBF180N	NPTF 1/8	10 (2.6)	400 (5800)	44 (1.73)	M15x1	20 (0.79)	60,5 (2.38)	20 (0.79)	8 (0.31)	5,5 (0.22)	19,5 (0.77)	84100031	0,16 (0.36)	
STBF140N	NPTF 1/4	15 (4)		54 (2.13)	M20x1	33 (1.30)	75 (2.95)	25 (0.98)	7,5 (0.30)	6 (0.24)	24,5 (0.96)	84100022	0,34 (0.75)	
STBF380N	NPTF 3/8	30 (7.9)		64 (2.52)	M25x1,5		81 (3.19)	30 (1.18)	9 (0.35)	7 (0.28)	29,5 (1.16)	84100023	0,50 (1.1)	
STBF120N	NPTF 1/2	50 (13.2)		350 (5075)	102 (4.01)	M35x1,5	42 (1.65)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100024	1,15 (2.53)
STBF340N	NPTF 3/4	80 (21.1)					81 (3.19)	115 (4.53)	45 (1.77)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100024	1,49 (3.30)
STBF100N	NPTF 1	150 (39.6)				M45x1,5	53 (2.09)	42 (1.65)	137 (5.39)	55 (2.17)	13,5 (0.53)	10 (0.39)	50 (1.96)	84100030
STBF114N	NPTF 1-1/4	200 (52.8)	81 (3.19)					147 (5.78)	65 (2.56)	13,5 (0.53)	10 (0.39)	50 (1.96)	84100030	3,17 (7)
STBF112N	NPTF 1-1/2	300 (79.2)												



Schema idraulico - Hydraulic circuit

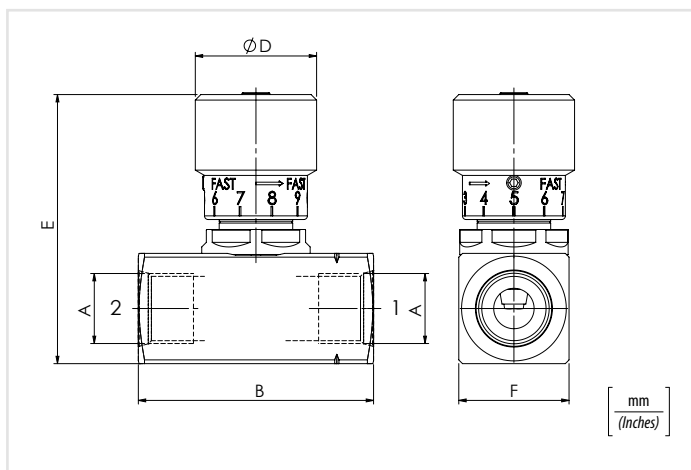


Codice ordinazione Ordering code	01	02
	STB	

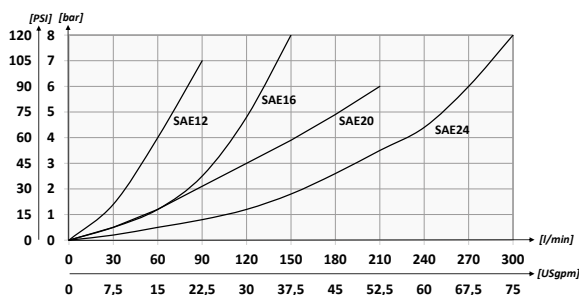
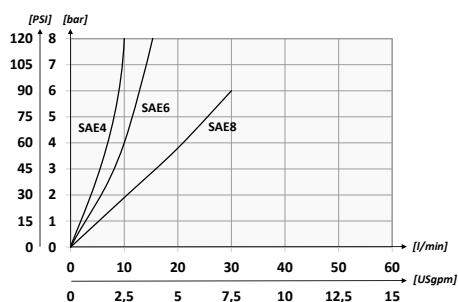
01	Valvole di controllo flusso bidirezionali (Bidirectional flow control valves)	STB	
02	Dimensione (Size)	7/16-20UNF Small	45
		7/16-20UNF	4
		9/16-18UNF	6
		3/4-16UNF	8
		1-1/16-12UN	12
		1-5/16-12UN	16
		1-5/8-12UN	20
		1-7/8-12UN	24

Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



Performances

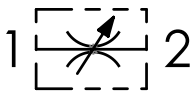


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	D	E	F	Peso approssimativo (kg) Approx weight (lb)
STB45	7/16-20UNF	15 (4)	400 (5800)	54 (2.13)	33 (1.30)	68 (2.68)	20 (0.79)	0,21 (0.46)
STB4							25 (0.98)	0,32 (0.71)
STB6	9/16-18UNF	30 (7.9)		64 (2.52)	42 (1.65)	72 (2.83)	30 (1.18)	0,45 (0.99)
STB8	3/4-16UNF	50 (13.2)					40 (1.57)	1 (2.2)
STB12	1-1/16-12UN	80 (21.1)		102 (4.02)	53 (2.09)	94 (3.70)	45 (1.77)	1,35 (3)
STB16	1-5/16-12UN	150 (39.6)					55 (2.17)	2,37 (5.21)
STB20	1-5/8-12UN	200 (52.8)		350 (5075)	53 (2.09)	121,5 (4.78)	65 (2.56)	3 (6.6)
STB24	1-7/8-12UN	300 (79.2)					131,5 (5.17)	



Schema idraulico - Hydraulic circuit



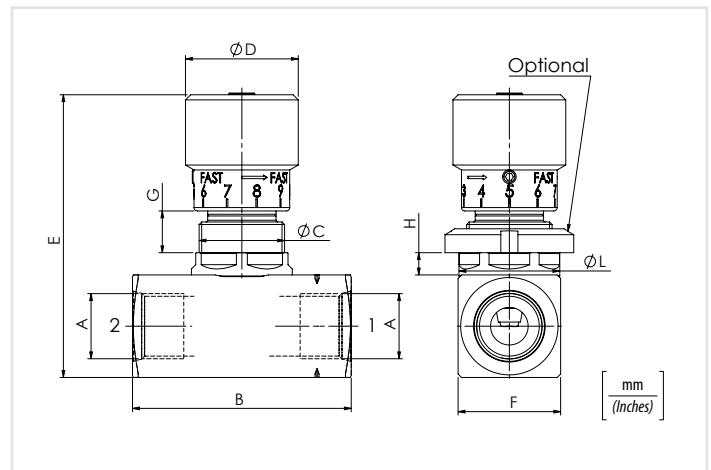
Codice ordinazione
Ordering code

01	02
STBF	

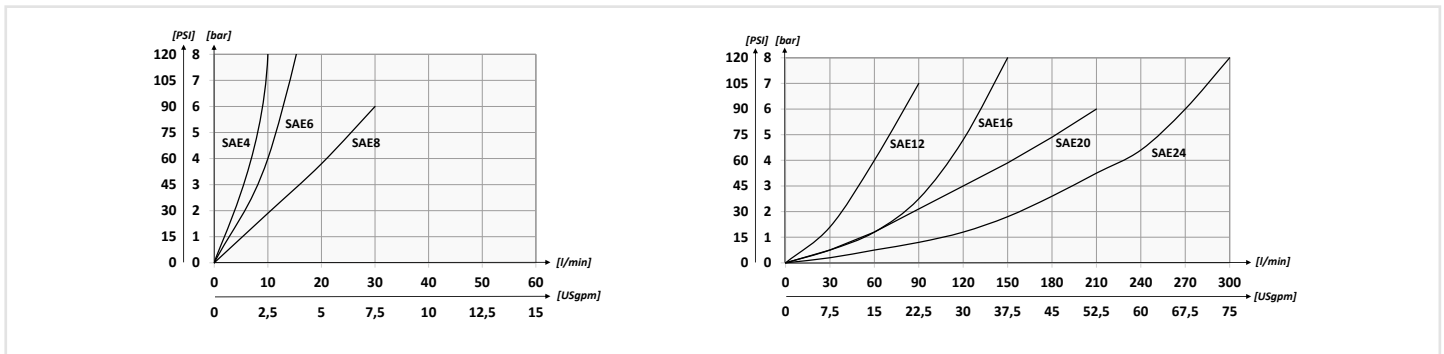
01	Valvole di controllo flusso bidirezionali (Bidirectional flow control valves)	STBF	
02	Dimensione (Size)	7/16-20UNF Small	45
		7/16-20UNF	4
		9/16-18UNF	6
		3/4-16UNF	8
		1-1/16-12UN	12
		1-5/16-12UN	16
		1-5/8-12UN	20
		1-7/8-12UN	24

Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			



Performances



Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	L	Optional Type	Peso approssimativo (kg) Approx weight (lb)		
STBF45	7/16-20UNF	15 (4)	400 (5800)	54 (2.13)	M20x1	33 (1.30)	75 (2.95)	20 (0.79)	7,5 (0.29)	6 (0.24)	24,5 (0.96)	84100022	0,22 (0.48)		
STBF4								25 (0.98)					0,34 (0.75)		
STBF6	25 (0.98)	0,32 (0.71)													
STBF8	30 (1.18)	0,48 (1.05)													
STBF12	1-1/16-12UN	80 (21.1)		350 (5075)	64 (2.52)	M25x1,5	42 (1.65)	81 (3.19)	30 (1.18)	9 (0.35)	7 (0.28)	29,5 (1.16)	84100023	1,1 (2.42)	
STBF16									45 (1.77)					1,45 (3.2)	
STBF20	1-5/8-12UN	200 (52.8)			102 (4.02)	81 (3.19)	M35x1,5	53 (2.09)	110 (4.33)	40 (1.57)	15,5 (0.61)	8 (0.31)	39,5 (1.55)	84100024	2,45 (5.39)
STBF24										115 (4.53)					3,17 (7)
STBF20	1-5/8-12UN	200 (52.8)	350 (5075)	102 (4.02)		M45x1,5	53 (2.09)	137 (5.39)	55 (2.17)	13,5 (0.53)	10 (0.39)	50 (1.96)	84100030	2,45 (5.39)	
STBF24									147 (5.78)					3,17 (7)	



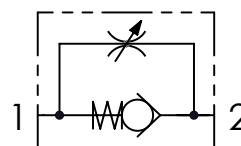
Tenuta a sfera
Ball sealing only

Codice ordinazione
Ordering code

01	02
SVU	

01	Valvole di controllo flusso unidirezionali con regolazione esagono ad incassato (Unidirectional flow control valves with hexagon socket screw adjustment)	SVU
02	Dimensione (Size)	BSPP 1/8
		BSPP 1/4
		BSPP 3/8
		BSPP 1/2

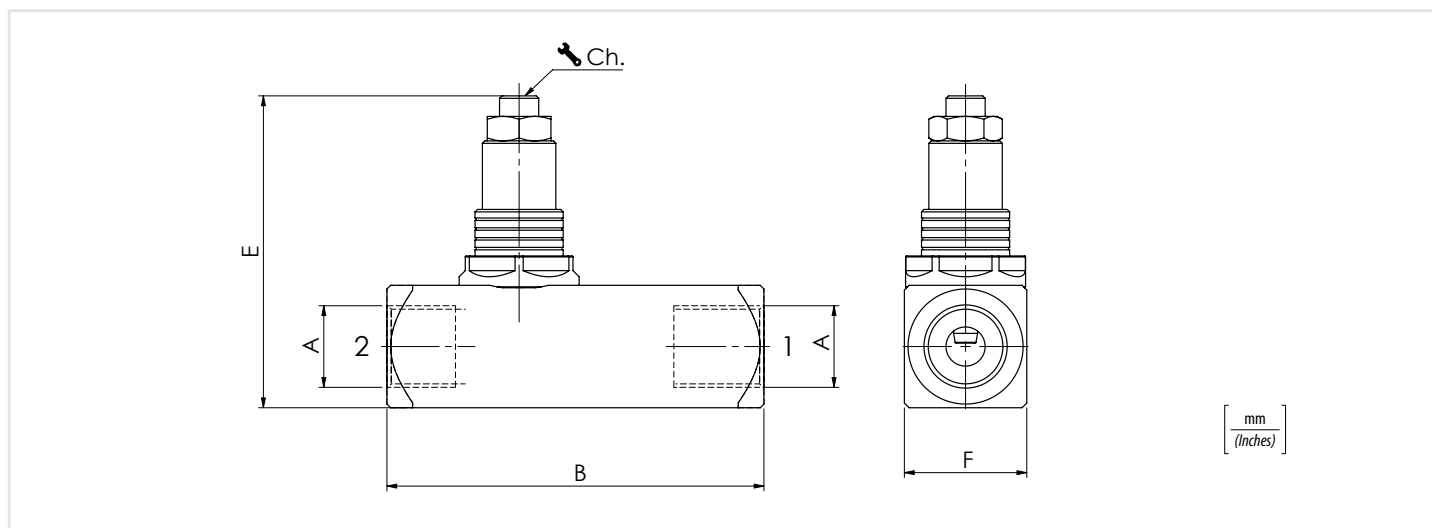
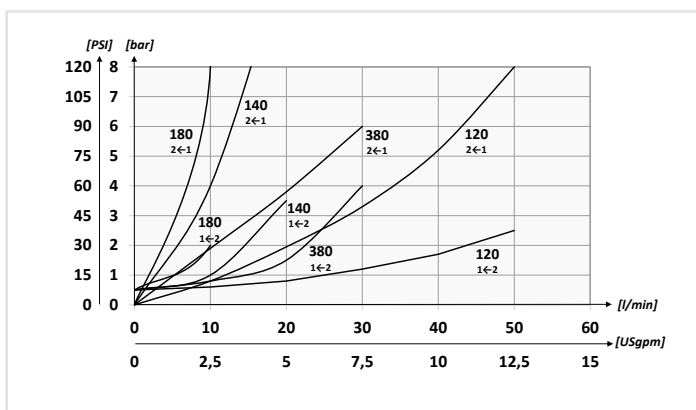
Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/A (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

Performances

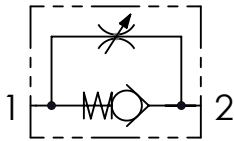


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	E	F	Ch.	Peso approssimativo Approx weight kg/lb
SVU180	BSPP 1/8	10 (2.6)	400 (5800)	58 (2.28)	53 (2.09)	20 (0.79)	3	0,19 (0.42)
SVU140	BSPP 1/4	15 (4)		66 (2.60)	71,5 (2.81)	25 (0.98)	4	0,34 (0.75)
SVU380	BSPP 3/8	30 (7.9)		77 (3.03)	30 (1.18)	5	0,36 (0.80)	
SVU120	BSPP 1/2	50 (13.2)		91 (3.58)	72 (2.83)	30 (1.18)	5	0,60 (1.3)



Schema idraulico - Hydraulic circuit



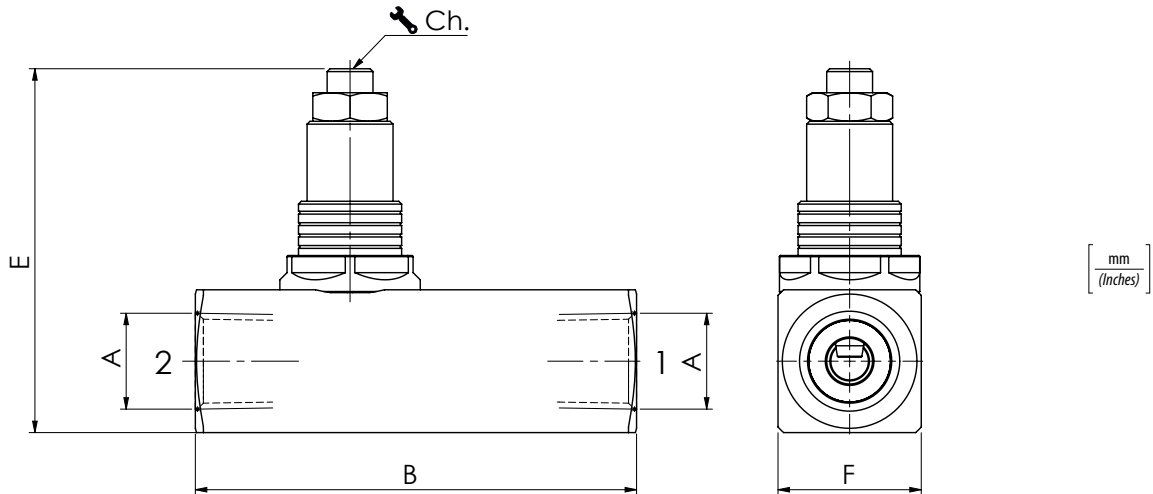
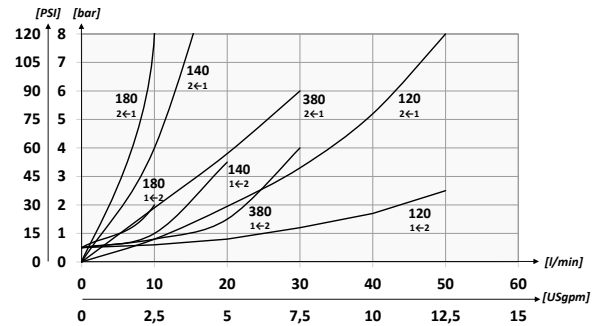
Dati tecnici - Technical data

olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

Codice ordinazione Ordering code	01	02	03
	SVU		N

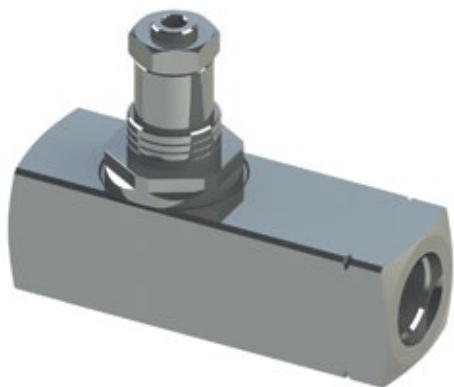
01	Valvole di controllo flusso unidirezionali con regolazione esagono ad incassato (Unidirectional flow control valves with hexagon socket screw adjustment)	SVU	
02	Dimensione (Size)	NPTF 1/8	180
		NPTF 1/4	140
		NPTF 3/8	380
		NPTF 1/2	120
03	Filettatura (Thread)	NPTF	N

Performances

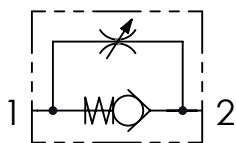


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	E	F	Ch.	Peso approssimativo Approx weight kg/lb
SVU180N	NPTF 1/8	10 (2.6)	400 (5800)	58 (2.28)	53 (2.08)	20 (0.79)	3	0,19 (0.42)
SVU140N	NPTF 1/4	15 (4)		66 (2.60)	68 (2.68)	25 (0.98)	4	0,37 (0.75)
SVU380N	NPTF 3/8	30 (7.9)		77 (3.03)	72 (2.83)	30 (1.18)	5	0,40 (0.9)
SVU120N	NPTF 1/2	50 (13.2)		91 (3.58)	91 (3.58)	30 (1.18)	5	0,60 (1.3)



Schema idraulico - Hydraulic circuit



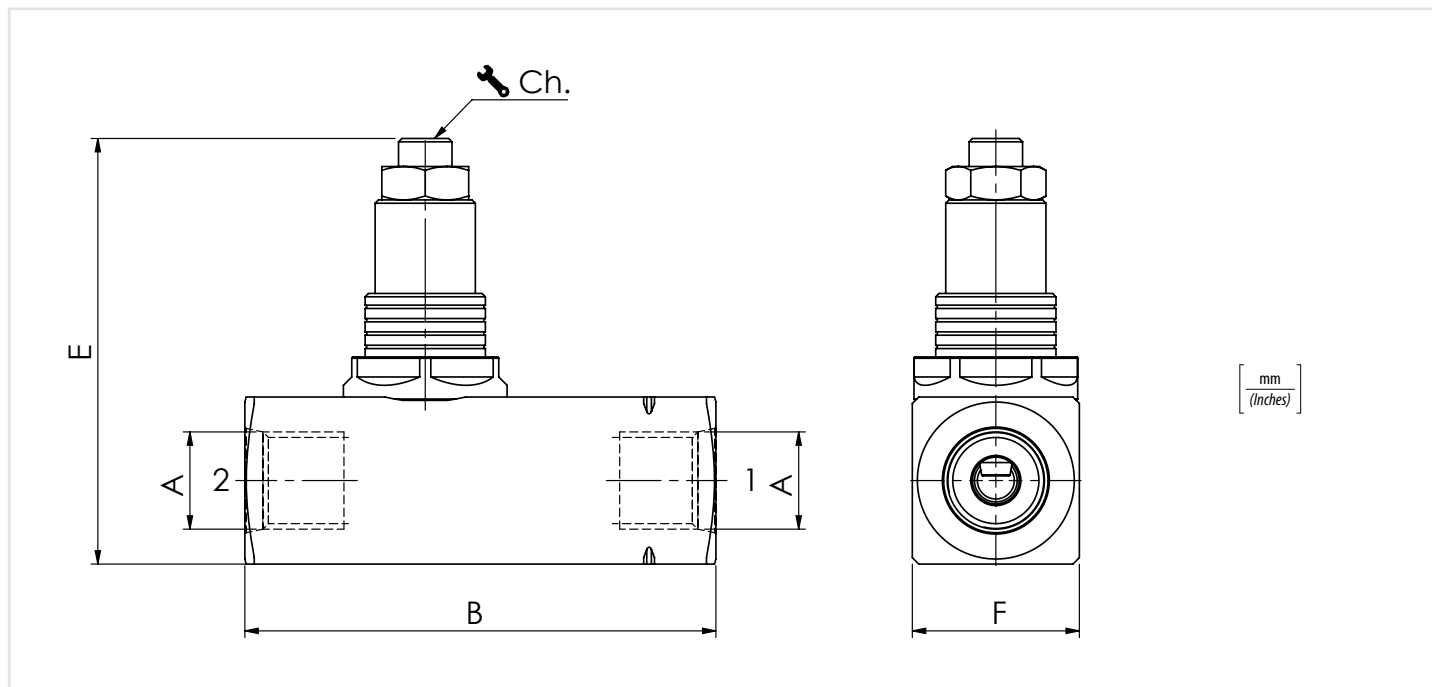
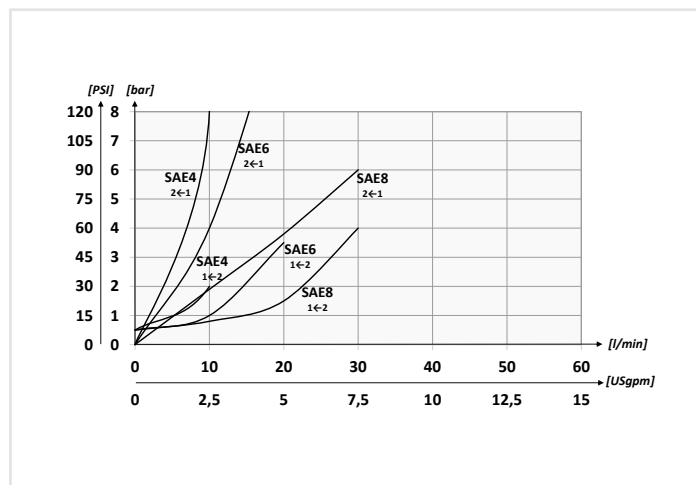
Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

01	02
Codice ordinazione Ordering code	
SVU	

01	Valvole di controllo flusso unidirezionali con regolazione ad esagono incassato (Unidirectional flow control valves with hexagon socket screw adjustment)	SVU
02	Dimensione (Size)	7/16-20UNF
		9/16-18UNF
		3/4-16UNF

Performances



Caratteristiche tecniche - Technical characteristics

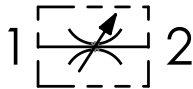
Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	E	F	Ch.	Peso approssimativo Approx weight kg/lb
SVU4	7/16-20UNF	15 (4)	400 (5800)	66 (2.60)	68 (2.68)	25 (0.98)	4	0,39 (0.85)
SVU6	9/16-18UNF	30 (7.9)		70,5 (2.78)				0,40 (0.9)
SVU8	3/4-16UNF	50 (13.2)		91 (3.58)	72 (2.83)	30 (1.18)	5	0,60 (1.3)



Codice ordinazione Ordering code	01	02
	SVB	

01	Valvole di controllo flusso bidirezionali con regolazione ad esagono incassato (Bidirectional flow control valves with hexagon socket screw adjustment)	SVB	
02	Dimensione (Size)	BSPP 1/8	180
		BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120

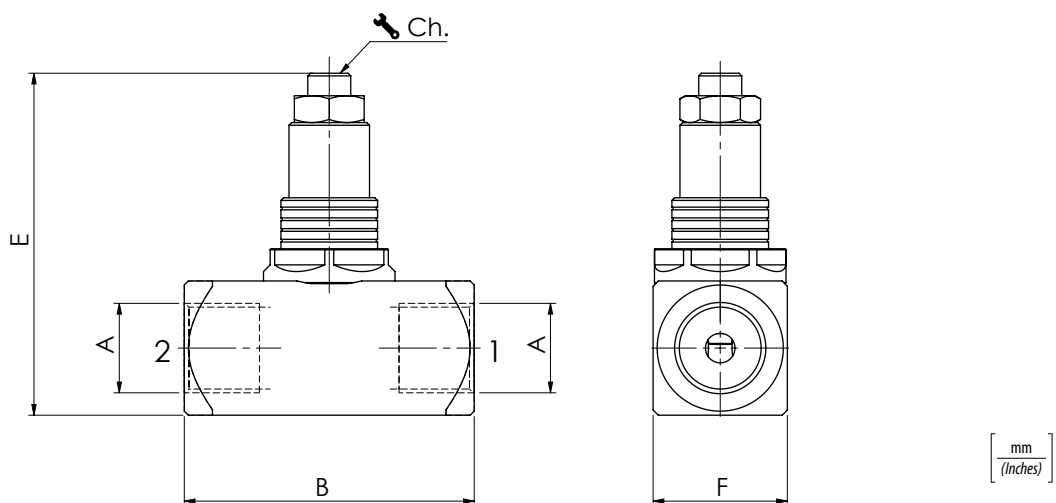
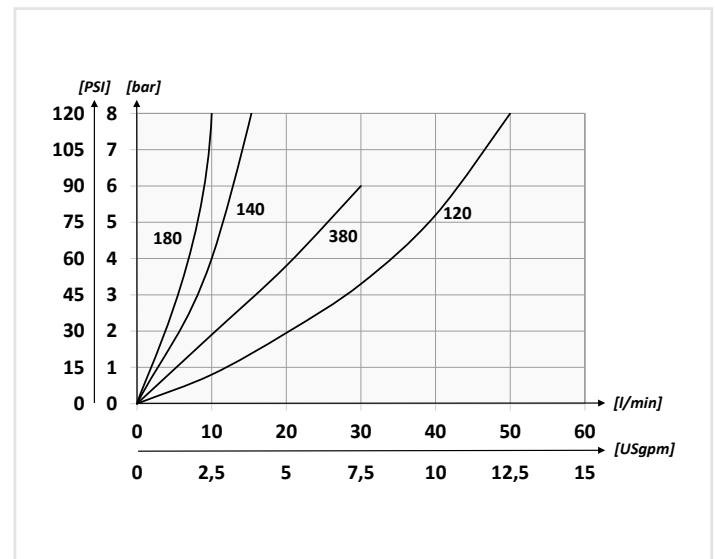
Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

Performances

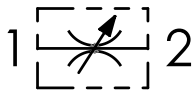


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	E	F	Ch.	Peso approssimativo (kg) Approx weight (lb)
SVB180	BSPP 1/8	10 (2.6)	400 (5800)	44 (1.73)	53 (2.09)	20 (0.79)	3	0,15 (0.33)
SVB140	BSPP 1/4	15 (4)		54 (2.13)	71,5 (2.81)	25 (0.98)	4	0,29 (0.70)
SVB380	BSPP 3/8	30 (7.9)		64 (2.52)	72 (2.83)	30 (1.18)	5	0,26 (0.57)
SVB120	BSPP 1/2	50 (13.2)						0,45 (1)



Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

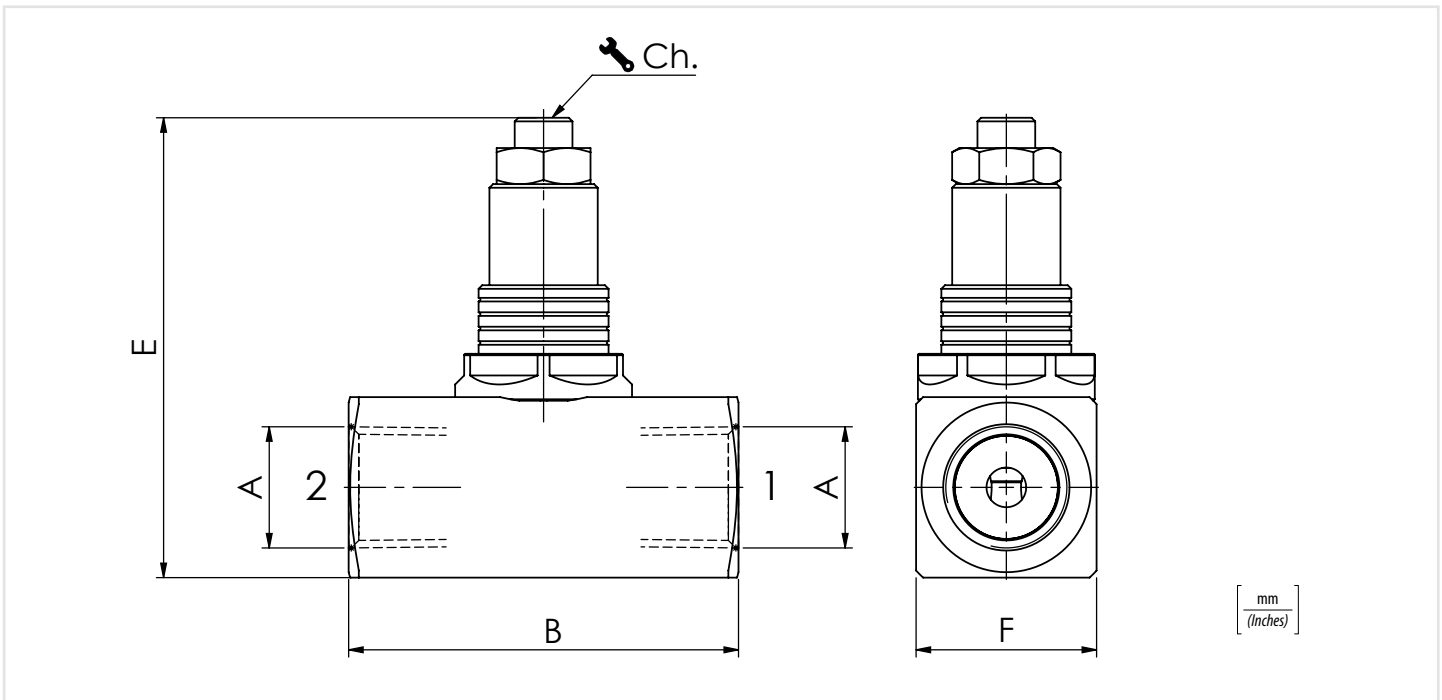
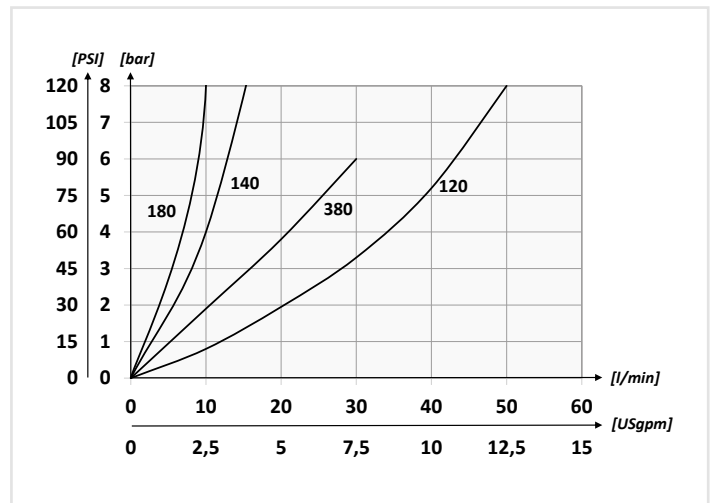
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

Codice ordinazione
Ordering code

01	02	03
SVB		N

01	Valvole di controllo flusso bidirezionali con regolazione esagono ad incassato (Birectional flow control valves with hexagon socket screw adjustment)	SVB
02	Dimensione (Size)	NPTF 1/8 180
		NPTF 1/4 140
		NPTF 3/8 380
		NPTF 1/2 120
03	Filettatura (Thread)	NPTF N

Performances

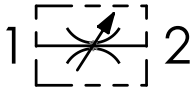


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	E	F	Ch.	Peso approssimativo (kg) Approx weight (lb)
SVB180N	NPTF 1/8	10 (2.6)	400 (5800)	44 (1.73)	53 (2.09)	20 (0.79)	3	0,15 (0.33)
SVB140N	NPTF 1/4	15 (4)		54 (2.13)	68 (2.68)	25 (0.98)	4	0,32 (0.71)
SVB380N	NPTF 3/8	30 (7.9)		64 (2.52)	72 (2.83)	30 (1.18)	5	0,30 (0.66)
SVB120N	NPTF 1/2	50 (13.2)						0,47 (1.03)



Schema idraulico - Hydraulic circuit



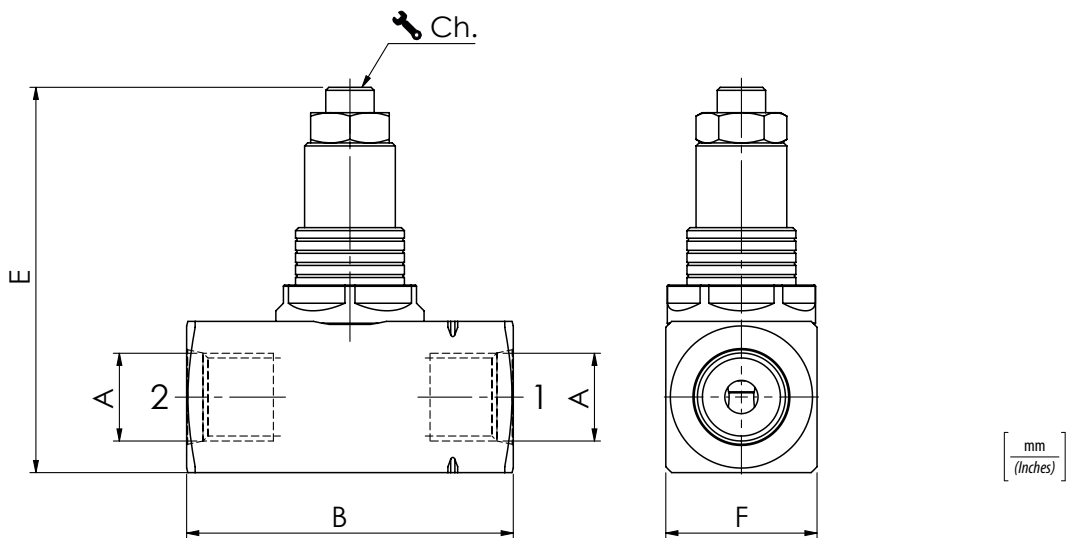
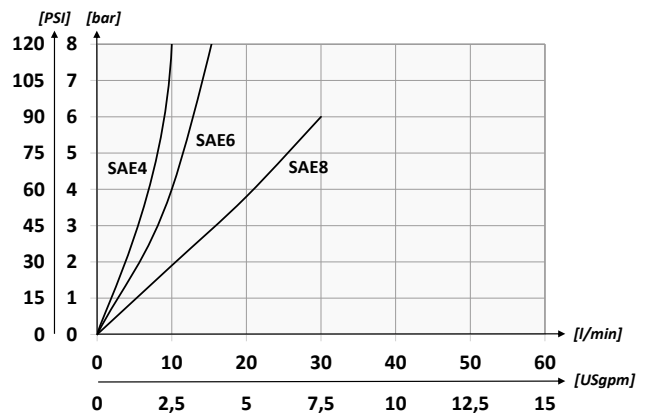
Dati tecnici - Technical data

olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

Codice ordinazione Ordering code	01	02
	SVB	

01	Valvole di controllo flusso bidirezionali con regolazione ad esagono incassato (Bidirectional flow control valves with hexagon socket screw adjustment)	SVB
02	Dimensione (Size)	7/16-20UNF 4
		9/16-18UNF 6
		3/4-16UNF 8

Performances



Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	E	F	Ch.	Peso approssimativo (kg) Approx weight (lb)
SVB4	7/16-20UNF	15 (4)	400 (5800)	54 (2.13)	68 (2.68)	25 (0.98)	4	0,32 (0.71)
SVB6	9/16-18UNF	30 (7.9)						0,30 (0.66)
SVB8	3/4-16UNF	50 (13.2)		64 (2.52)	72 (2.83)	30 (1.18)	5	0,45 (0.99)

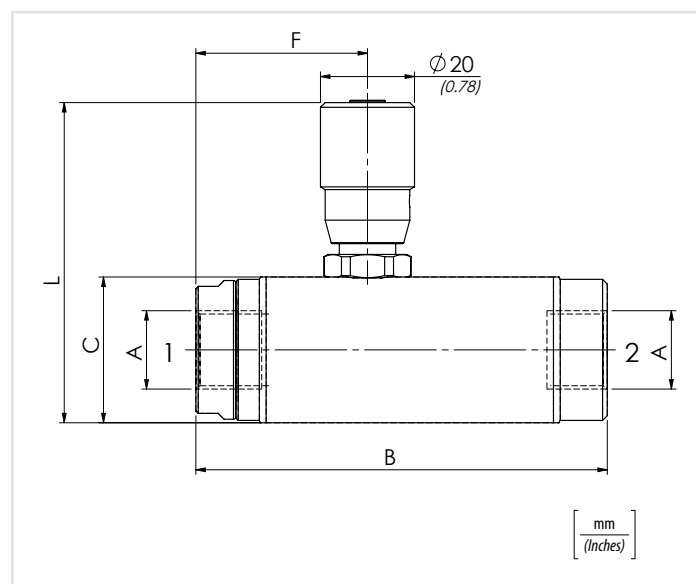
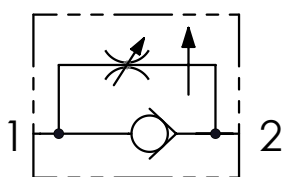


Codice ordinazione
Ordering code

01	02
VRC	

01	Valvole di controllo flusso compensate (Flow control valves - pressure compensated)	VRC
02	Dimensione (Size)	BSPP 1/4 140
		BSPP 3/8 380
		BSPP 1/2 120

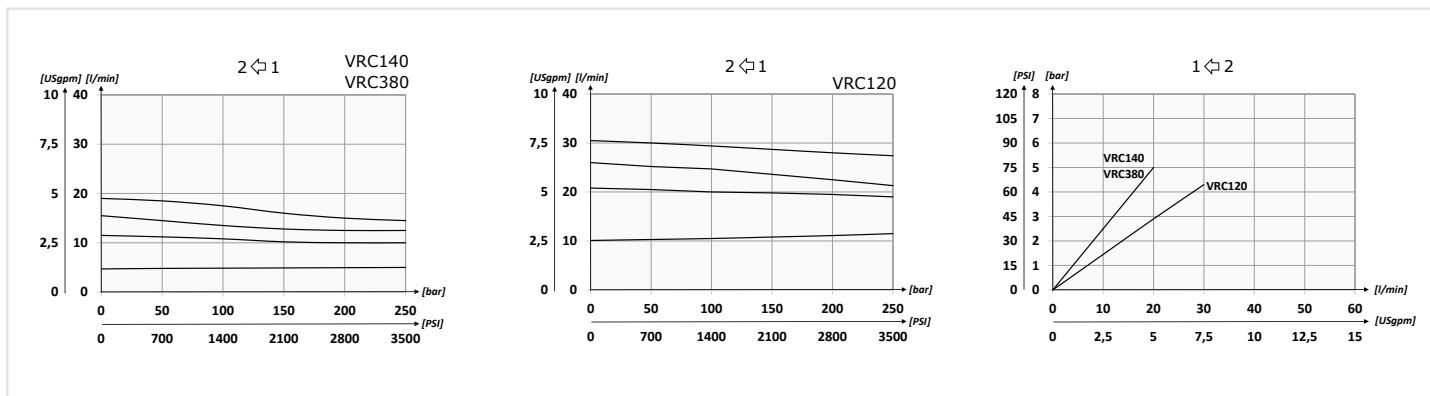
Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

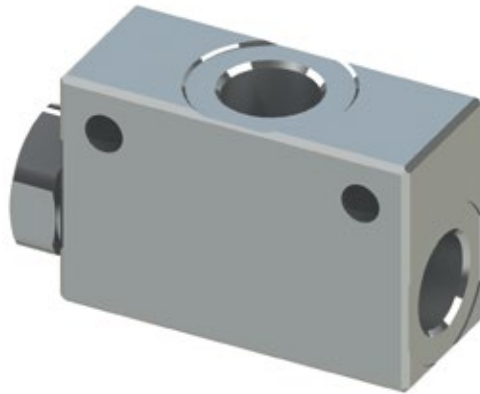
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

Performances



Caratteristiche tecniche - Technical characteristics

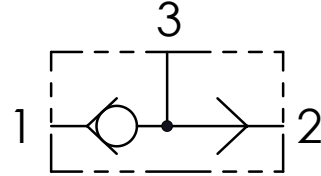
Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	F	L	Peso approssimativo (kg) Approx weight (lb)
VRC140	BSPP 1/4	10 (2.6)	250 (3625)	87,5 (3.44)	31 (1.22)	36,5 (1,44)	68 (2.68)	0,51 (1.12)
VRC380	BSPP 3/8	18 (4.8)						0,50 (1.10)
VRC120	BSPP 1/2	33 (8.7)		107,5 (4.31)	36 (1.42)	46 (1.81)	73 (2.87)	0,76 (1.67)



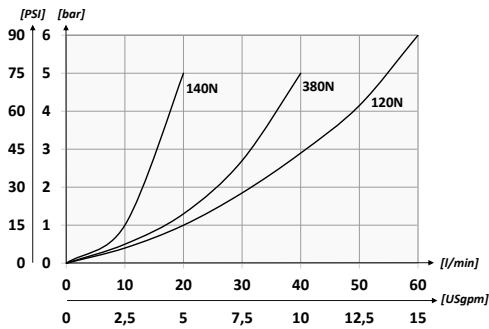
Codice ordinazione Ordering code	01	02
	VUSF	

01	Valvole selettive (Load shuttle valves - ball type)	VUSF	
02	Dimensione (Size)	BSPP 1/4	140N
		BSPP 3/8	380N
		BSPP 1/2	120N

Schema idraulico - Hydraulic circuit

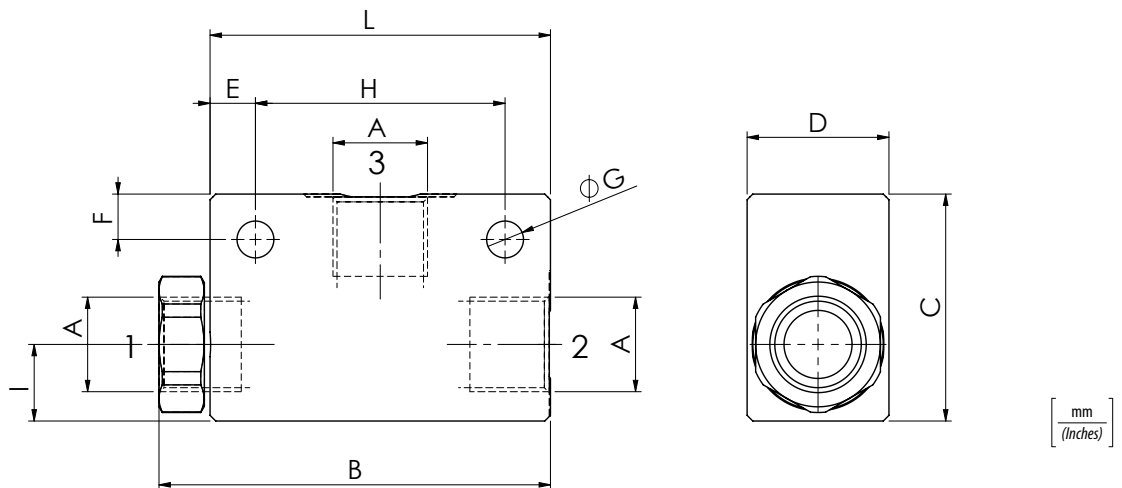


Performances



Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	E	F	G	H	I	L	Peso approssimativo Approx weight kg/lb
VUSF140N	BSPP 1/4	20 (5.3)	350 (5075)	57,3 (2.26)	35 (1.38)	25 (0.98)	9 (0.35)	8 (0.31)	6,5 (0.26)	34 (1.34)	12 (0.47)	52 (2.05)	0,29 (0.65)
VUSF380N	BSPP 3/8	40 (10.6)		69 (2.72)	40 (1.57)		8 (0.31)			44 (1.73)	13,5 (0.53)	60 (2.36)	0,37 (0.81)
VUSF120N	BSPP 1/2	60 (15.8)		73,8 (2.90)	50 (1.97)	35 (1.38)	10 (0.39)			10 (0.39)	8,5 (0.33)	45 (1.79)	18 (0.71)



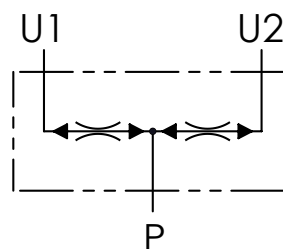
	01	02	03	04
Codice ordinazione Ordering code	DRF10			

01	Valvola Divisore/riunificatore di flusso (Flow Divider/Combiner valves)	DRF10	
02	Campo di portata in ingresso (l/min) Inlet flow range (USgpm)	2-5 (0.5-1.3)	1
		3-10 (0.8-2.6)	2
		7-20 (1.8-5.2)	3
		15-40 (3.9-10.4)	4
03	Connessione P (Port P)	BSPP 3/8	380
		BSPP 1/2	120
04	Connessione U1/U2 (Port U1/U2)	BSPP 3/8	380
		BSPP 1/2	120

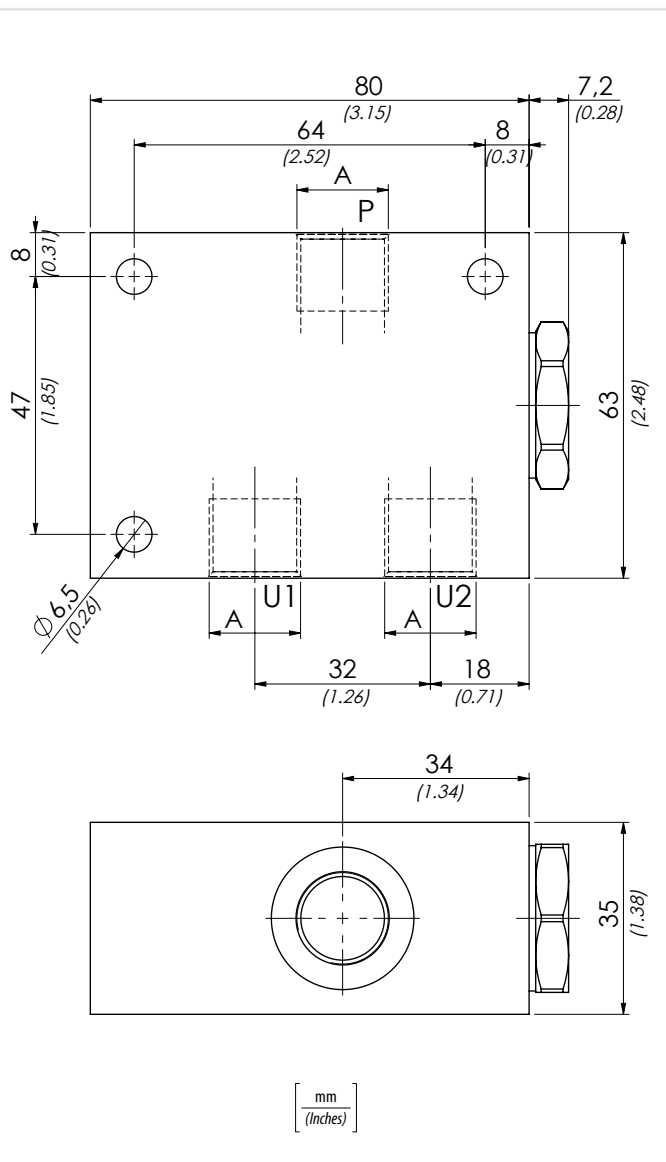
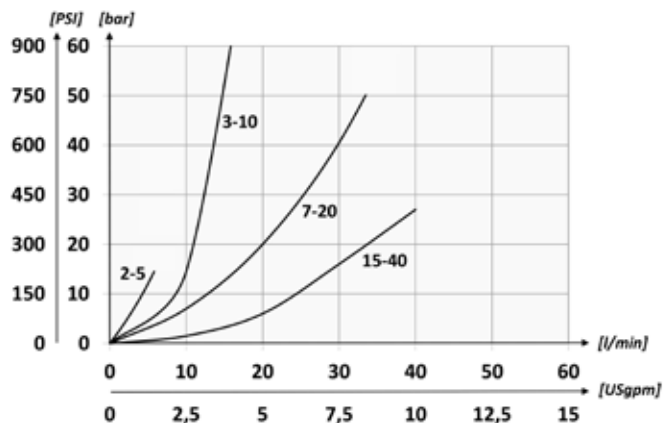
Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

Schema idraulico - Hydraulic circuit



Performances

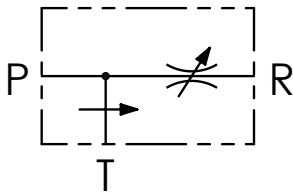


Caratteristiche tecniche - Technical characteristics

Tipo Type	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	Peso approssimativo (kg) Approx weight (lb)
DRF10	40 (10.6)	250 (3625)	0,52 (1.14)



Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

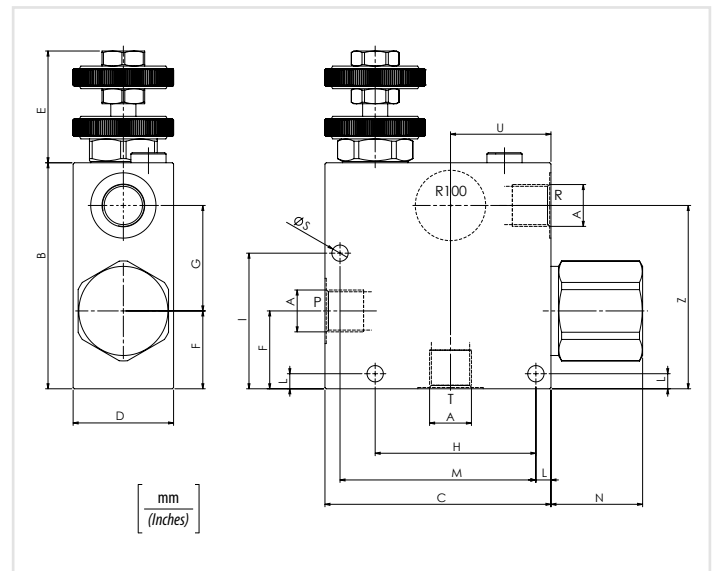
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

	01	02	03
Codice ordinazione Ordering code	VPT		V

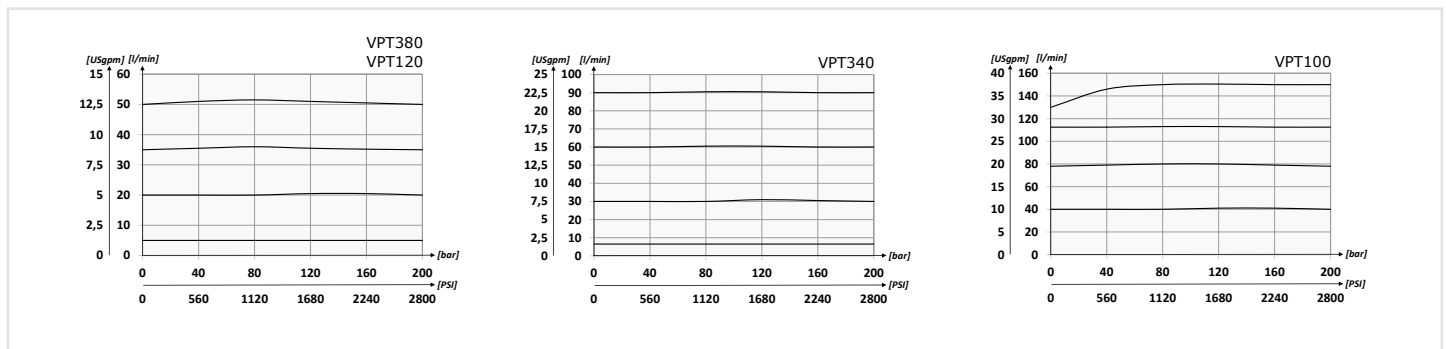
01	Regolatori di flusso 3 vie - compensati, con eccedenza in scarico (3 ways flow control valves - pressure compensated, exceeding flow to tank)	VPT	
02	Dimensione (Size)	BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	Regolazione (Setting)	Volantino (Hand wheel)	V

Portata massima l/min - Max flow USgpm

50 l/min con 30 l/min in R (13,3 USgpm with 8 USgpm in R)	380
80 l/min con 50 l/min in R (21,3 USgpm with 13,3 USgpm in R)	120
150 l/min con 80 l/min in R (40 USgpm with 21,3 USgpm in R)	340
240 l/min con 150 l/min in R (64 USgpm with 40 USgpm in R)	100



Performances

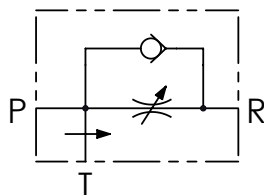


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	I	L	M	N	S	U	Z	Peso approssimativo (kg) Approx weight (lb)
VPT380	BSPP 3/8	50 (13.2)	250 (3625)	90 (3.54)	90 (3.54)	40 (1.57)	47,5 (1.87)	31 (1.22)	42 (1.65)	64 (2.52)	54 (2.13)	6 (0.24)	78 (3.07)	36,5 (1.44)	6,5 (0.26)	40 (1.57)	/	1,15 (2.54)
VPT120	BSPP 1/2	90 (23.8)		110 (4.33)	110 (4.33)	50 (1.97)	49,5 (1.95)	35 (1.38)	50 (1.97)	88 (3.46)	63,5 (2.50)	8,5 (0.33)	100 (3.70)	34,7 (1.37)	8,5 (0.33)	44 (1.73)	/	1,94 (4.28)
VPT340	BSPP 3/4	150 (39.6)		110 (4.33)	110 (4.33)	50 (1.97)	52,5 (2.07)	47 (1.85)	/	/	/	10 (0.39)	/	36,5 (1.44)	44 (1.73)	87 (3.45)	/	2,05 (4.52)
VPT100	BSPP 1	240 (63.4)		110 (4.33)	110 (4.33)	50 (1.97)	52,5 (2.07)	47 (1.85)	/	/	/	10 (0.39)	/	36,5 (1.44)	44 (1.73)	87 (3.45)	/	2,05 (4.52)



Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F +176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F +122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

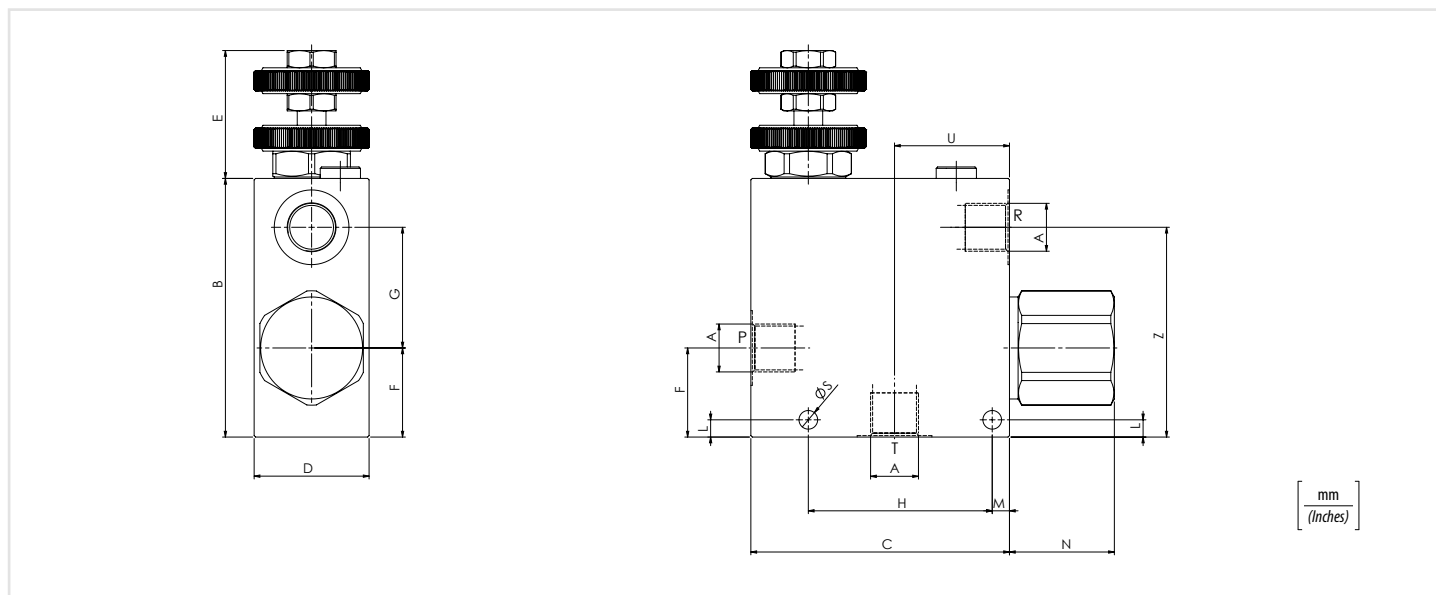
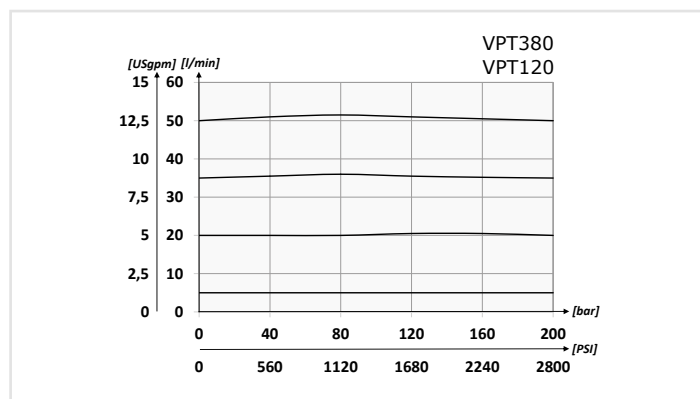
	01	02	03	04	05
Codice ordinazione Ordering code	VPT		V		R

01	Regolatori di flusso 3 vie - Compensati, con eccedenza in scarico e valvola di ritegno per flusso inverso 3 ways flow control valves - Pressure compensated, exceeding flow to tank and check valve for free reverse flow	VPT
02	Dimensione (Size)	380
		120
03	Regolazione (Setting)	V
04	Materiale (Material)	A
05	Con valvola di ritegno per flusso inverso (check valve for free reverse flow)	R

Portata massima l/min - Max flow USgpm

50 l/min con 30 l/min in R (13,3 USgpm with 8 USgpm in R)	380
80 l/min con 50 l/min in R (21,3 USgpm with 13,3 USgpm in R)	120

Performances

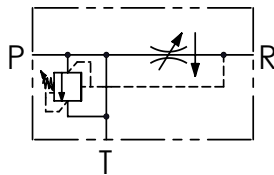


Caratteristiche tecniche - Technical characteristics

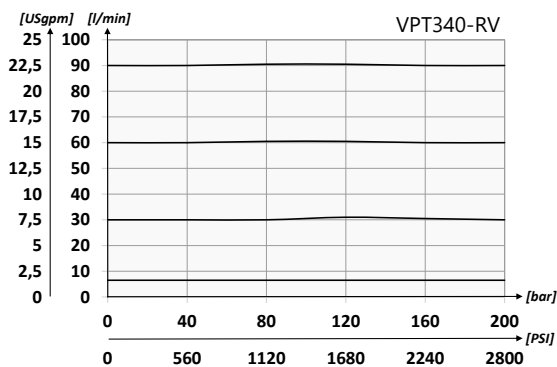
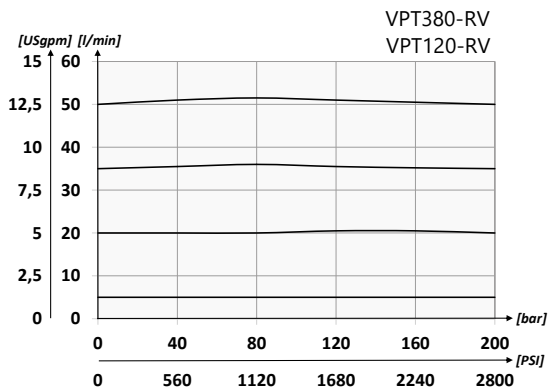
Codice Code	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	L	M	N	S	U	Peso approssimativo (kg) Approx weight (lb)
VPT380-R	BSPP 3/8	50 (13.2)	250 (3625)	90 (3.54)	110 (4.33)	40 (1.57)	47,5 (1.87)	31 (1.22)	42 (1.65)	57 (2.24)	6 (0.24)	8 (0.32)	36,5 (1.44)	6,5 (0.26)	39 (1.54)	1,40 (3.09)
VPT120-R	BSPP 1/2	90 (23.8)														



Schema idraulico - Hydraulic circuit



Performances

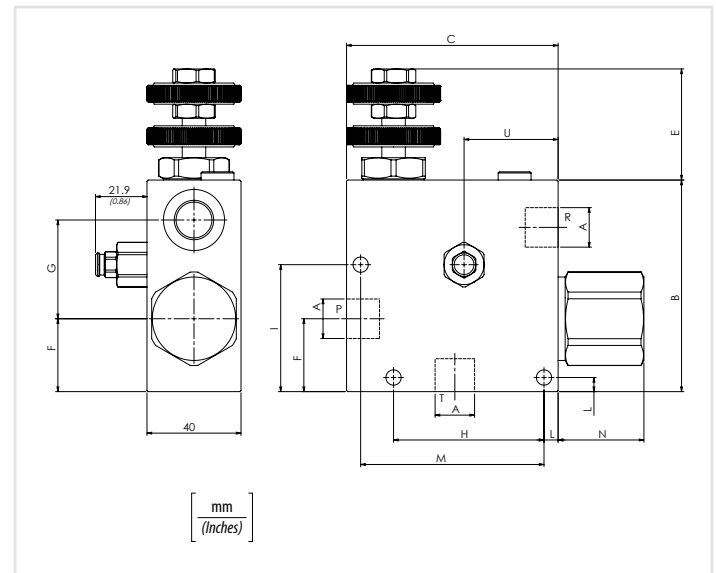


	01	02	03	04
Codice ordinazione Ordering code	VPT		V	RV

01	Regolatori di flusso 3 vie - compensati, con eccedenza in scarico (3 ways flow control valves - pressure compensated, exceeding flow to tank and relief valve)	VPT
02	Dimensione (Size)	380
		120
		340
03	Regolazione (Setting)	V
04	Valvola di massima (Relief valve)	RV

Portata massima l/min - Max flow USgpm

50 l/min con 30 l/min in R (13,3 USgpm with 8 USgpm in R)	380
80 l/min con 50 l/min in R (21,3 USgpm with 13,3 USgpm in R)	120
150 l/min con 80 l/min in R (40 USgpm with 21,3 USgpm in R)	340



Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

Caratteristiche tecniche - Technical characteristics

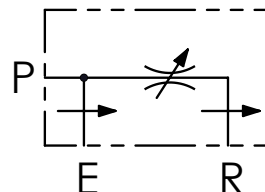
Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	I	L	M	N	S	U	Peso approssimativo (kg) Approx weight (lb)
VPT380-RV	BSPP 3/8	50 (13.2)	250 (3625)	90 (3.54)	90 (3.54)	40 (1.57)	47,5 (1.87)	31 (1.22)	42 (1.65)	64 (2.52)	54 (2.13)	6 (0.24)	78 (3.07)	36,5 (1.44)	6,5 (0.26)	40 (1.57)	1,15 (2.54)
VPT120-RV	BSPP 1/2	90 (23.8)		110 (4.33)	110 (4.33)	50 (1.97)	49,5 (1.95)	35 (1.38)	50 (1.97)	88 (3.46)	63,5 (2.50)	8 (0.31)	94 (3.70)	34,7 (1.37)	8,5 (0.33)	44 (1.73)	
VPT340-RV	BSPP 3/4	150 (39.6)		110 (4.33)	110 (4.33)	50 (1.97)	49,5 (1.95)	35 (1.38)	50 (1.97)	88 (3.46)	63,5 (2.50)	8 (0.31)	94 (3.70)	34,7 (1.37)	8,5 (0.33)	44 (1.73)	



	01	02	03
Codice ordinazione Ordering code	VPP		V

01	Regolatori di flusso 3 vie - compensati, con eccedenza in pressione (3 ways flow control valves - pressure compensated, exceeding flow to pressure)	VPP	
02	Dimensione (Size)	BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
03	Regolazione (Setting)	Volantino (Hand wheel)	V

Schema idraulico - Hydraulic circuit

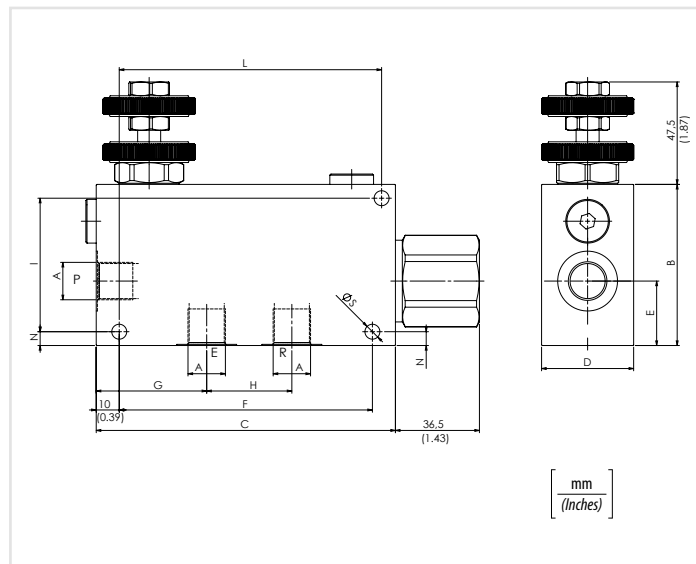


Dati tecnici - Technical data

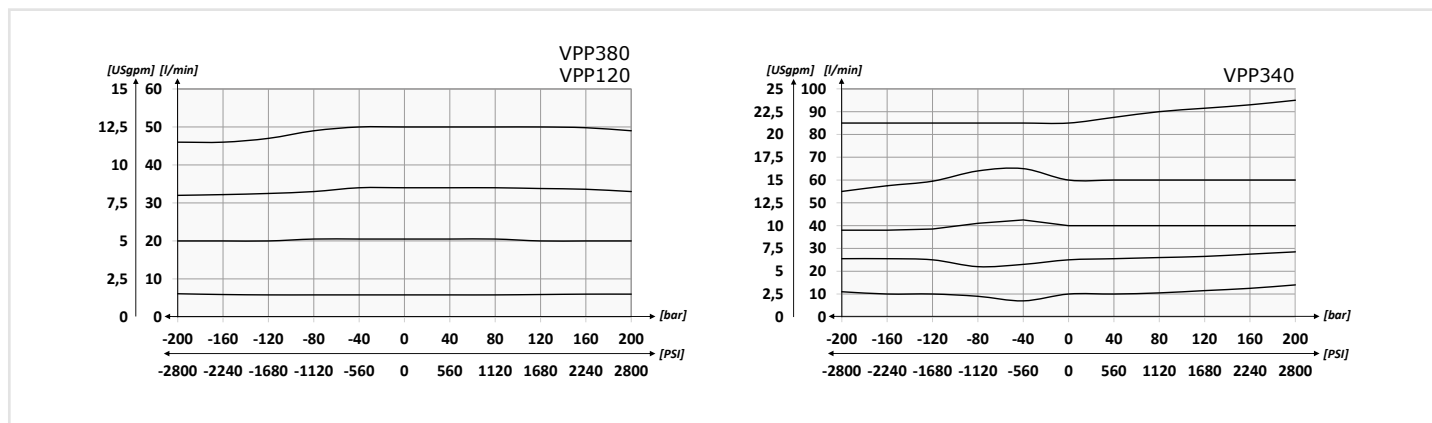
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F +176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F +122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

Portata massima l/min - Max flow USgpm

50 l/min con 30 l/min in R (13,3 USgpm with 8 USgpm in R)	380
90 l/min con 50 l/min in R (24 USgpm with 13,3 USgpm in R)	120
150 l/min con 80 l/min in R (40 USgpm with 21,3 USgpm in R)	340

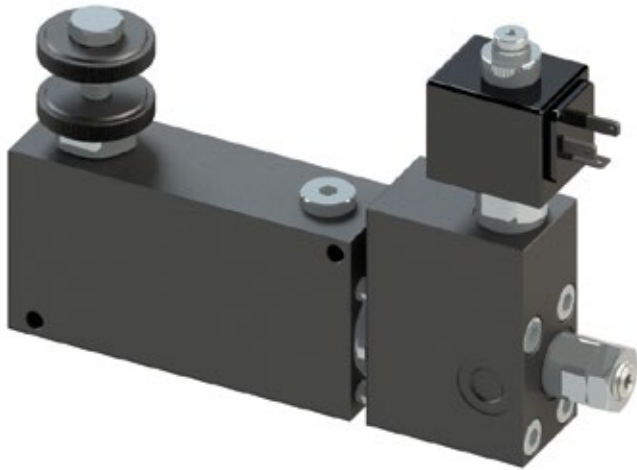


Performances



Caratteristiche tecniche - Technical characteristics

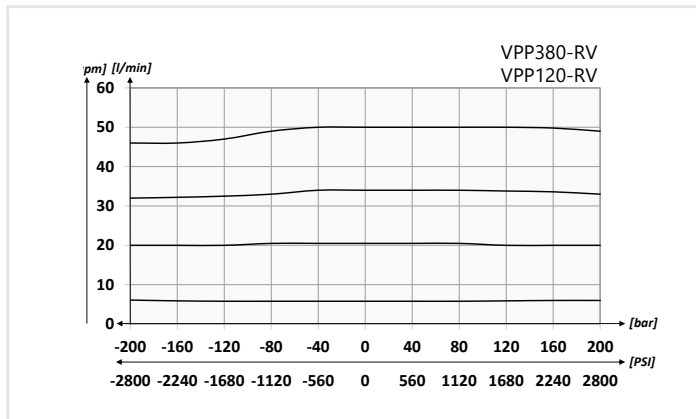
Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	I	L	N	S	Peso approssimativo (kg) Approx weight (lb)
VPP380	BSPP 3/8	50 (13.2)	250 (3625)	70 (2.76)	130 (5.12)	40 (1.57)	28 (1.10)	110 (4.33)	48 (1.89)	37 (1.46)	58 (2.28)	114 (4.49)	6 (0.24)	6,5 (0.26)	1,30 (2.87)
VPP120	BSPP 1/2	90 (23.8)		90 (3.54)	155 (6.10)	50 (1.97)	35 (1.38)	/	57 (2.24)	44 (1.73)	74 (2.91)	135 (5.31)	8 (0.31)	8,5 (0.33)	2,48 (5.46)
VPP340	BSPP 3/4	150 (39.6)													



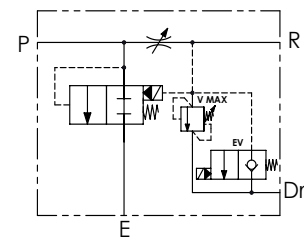
Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

Performances

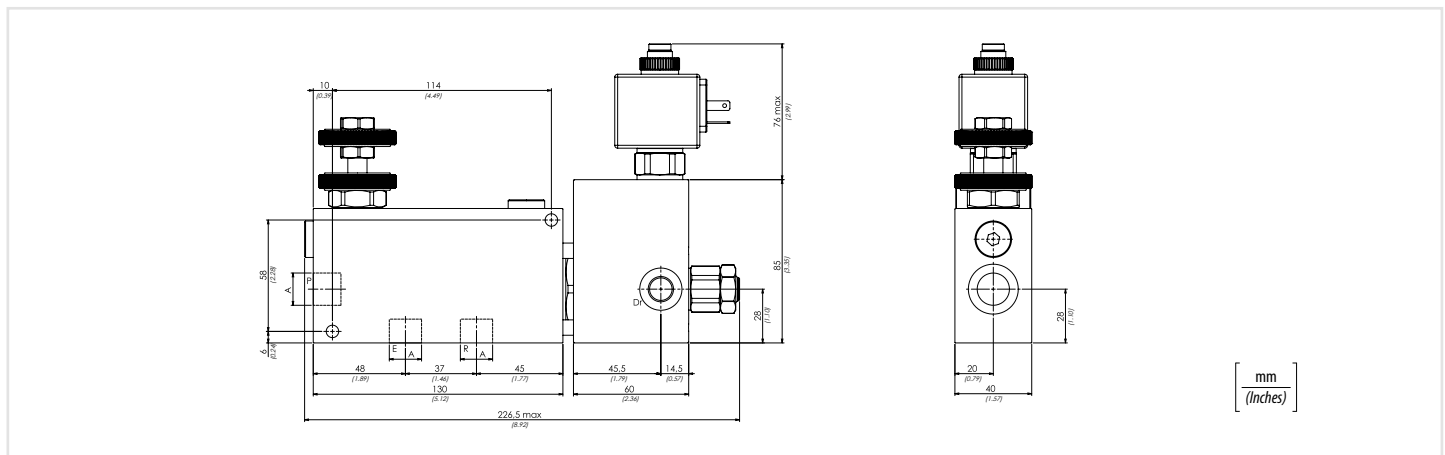


Schema idraulico - Hydraulic circuit



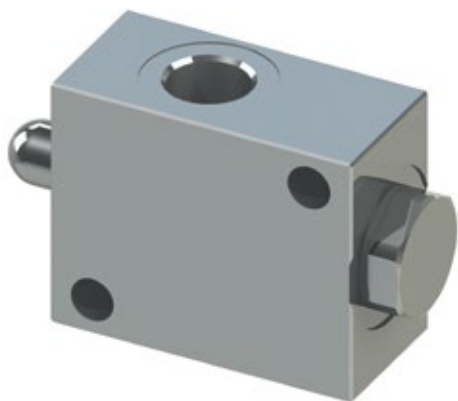
Portata massima l/min - Max flow USgpm

50 l/min con 30 l/min in R (13,3 USgpm with 8 USgpm in R)	380
90 l/min con 50 l/min in R (24 USgpm with 13,3 USgpm in R)	120



Caratteristiche tecniche - Technical characteristics

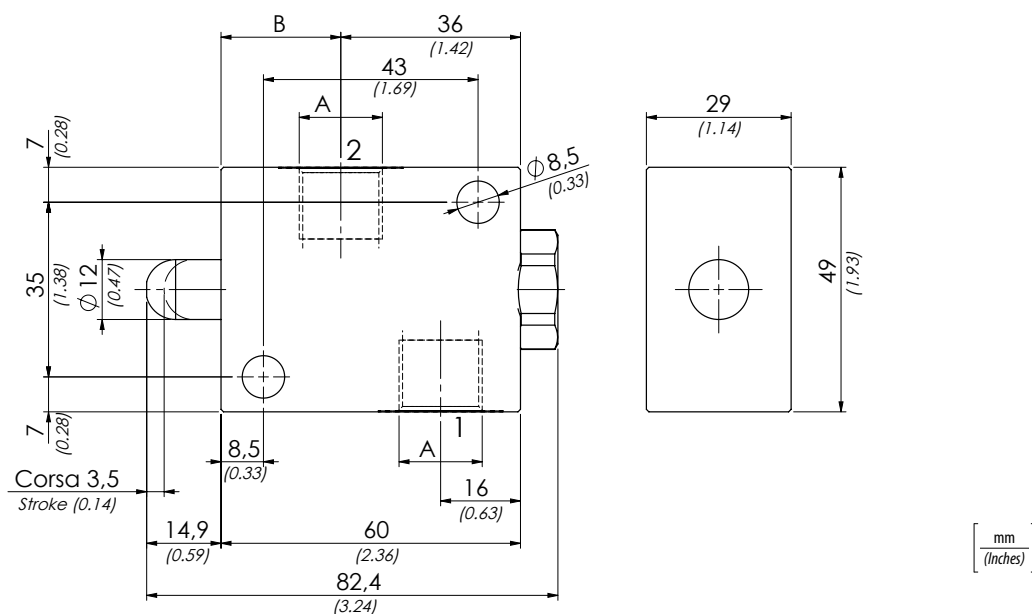
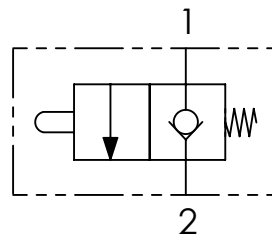
Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	Peso approssimativo senza valvole (kg) Approx weight without valves (lb)
VPP380-RV	BSPP 3/8	50 (13.2)	250 (3625)	2,25 (4.97)
VPP120-RV	BSPP 1/2	90 (23.8)		



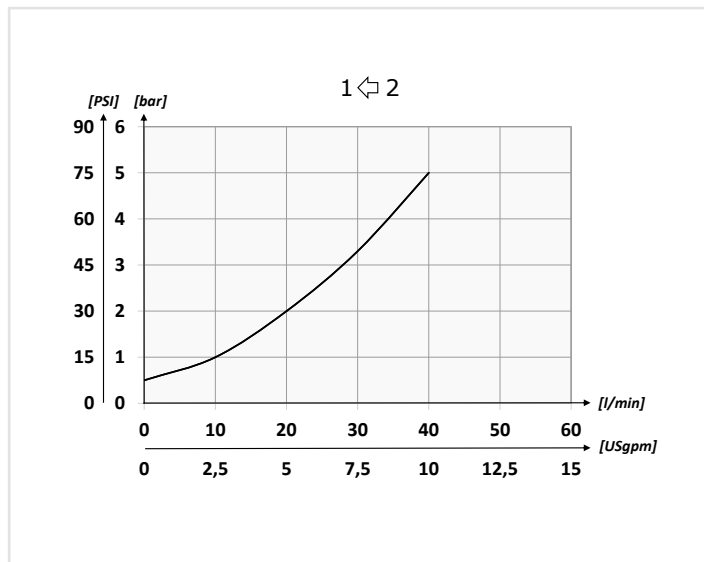
	01	02
Codice ordinazione Ordering code	FCM	

01	Valvole di fine corsa normalmente chiuse (Normally closed end - stroke valves)	FCM
02	Dimensione (Size)	140N
		380N

Schema idraulico - Hydraulic circuit



Performances

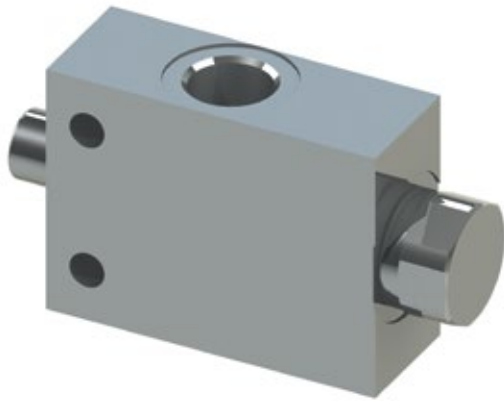


Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

Caratteristiche tecniche - Technical characteristics

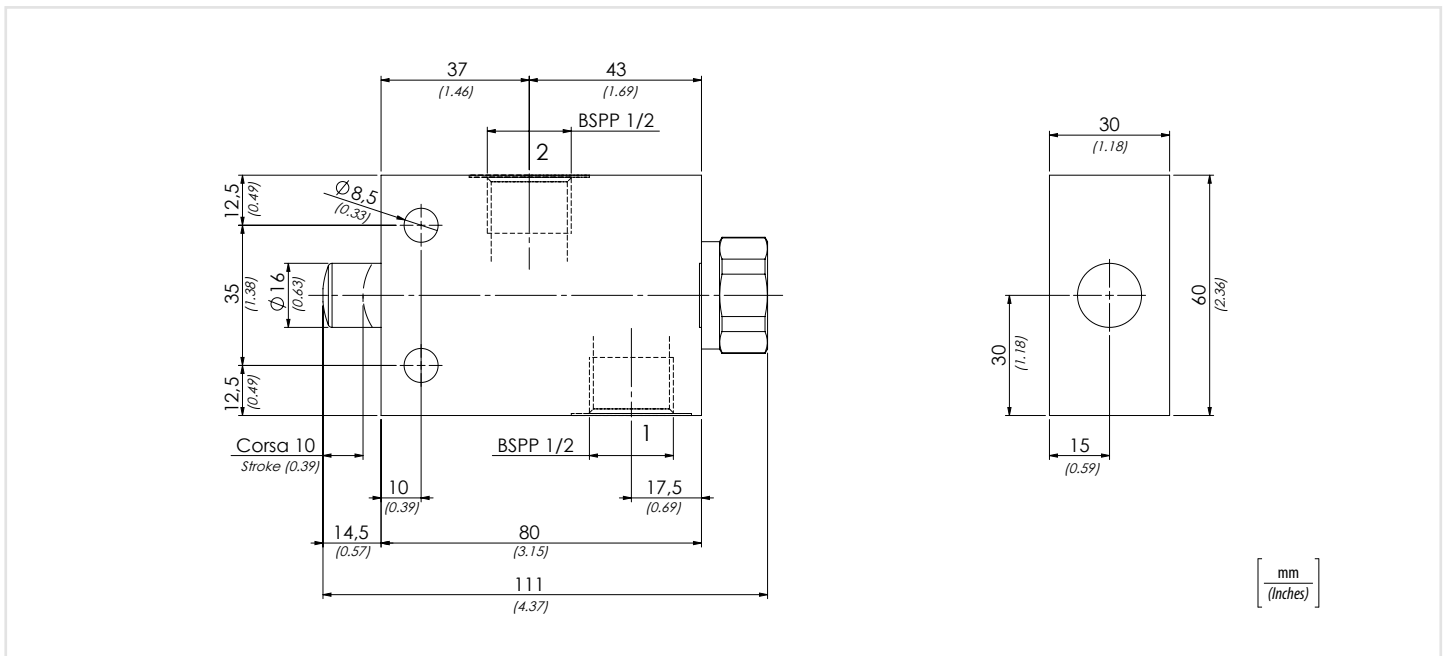
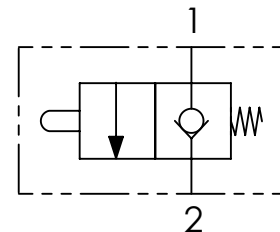
Tipo Type	A	B	Portata max Max flow l/min-USgpm	Pressione max (bar) Max pressure (PSI)	Peso approssimativo Approx weight kg-lb
FCM140N	BSPP 1/4	26,5 (1.04)	40 (10.6)	350 (5075)	0,53 (1.16)
FCM380N	BSPP 3/8	24 (0.94)			0,50 (1.10)



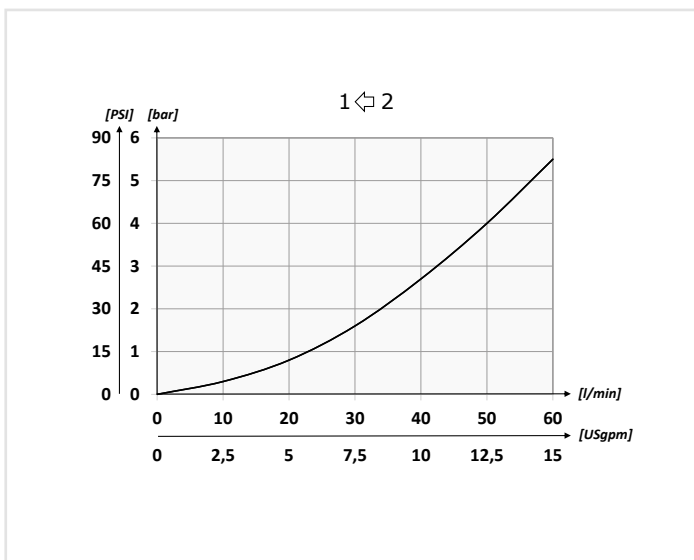
	01	02
Codice ordinazione Ordering code	FCM	120N

01	Valvole di fine corsa normalmente chiuse (Normally closed end - stroke valves)	FCM
02	Dimensione (Size)	BSPP 1/2 120N

Schema idraulico - Hydraulic circuit



Performances



Dati tecnici - Technical data

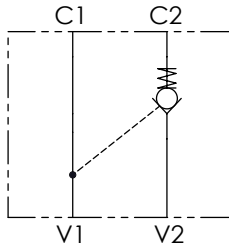
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

Caratteristiche tecniche - Technical characteristics

Tipo Type	Portata max Max flow l/min-USgpm	Pressione max (bar) Max pressure (PSI)	Peso approssimativo Approx weight kg-lb
FCM120N	60 (15.8)	300 (4350)	1,01 (2.22)



Schema idraulico - Hydraulic circuit



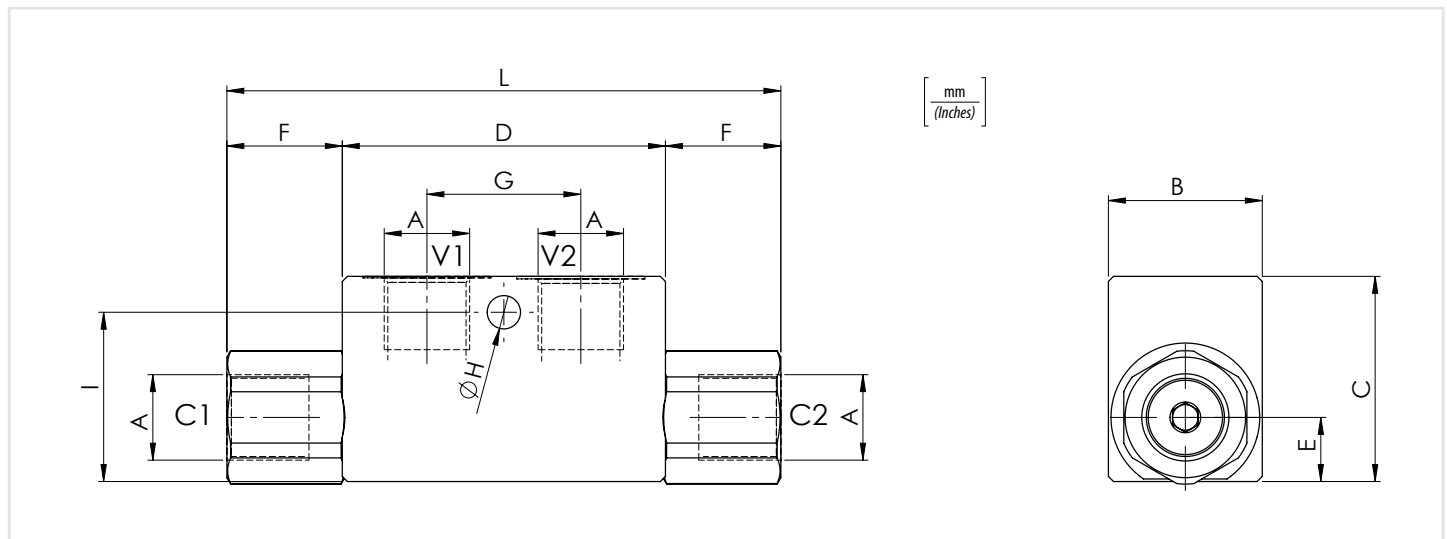
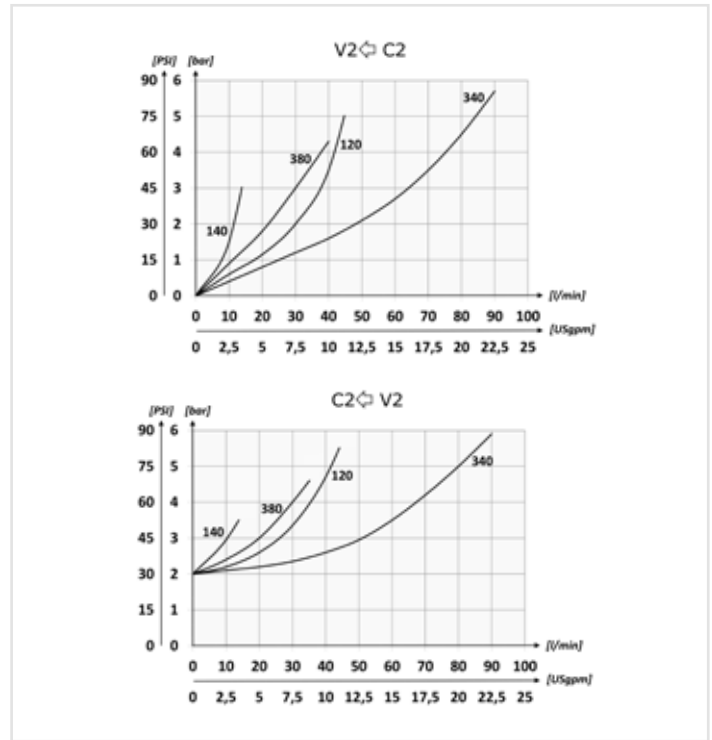
Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			
Trafilamento massimo Max leakage	0,25 cm ³ /min - 5 gocce/min	0,015 in ³ /min - 5 drops/min	

01	02
VRSE	

01	Valvole di blocco a semplice effetto (Single acting pilot check valves)	VRSE	
02	Dimensione (Size)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340

Performances

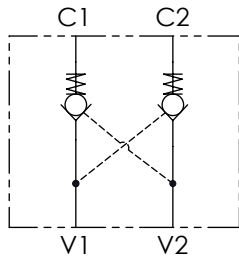


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	I	L	Peso approssimativo (kg) Approx weight (lb)	Rapporto di pilotaggio Pilot ratio
VRSE140	BSPP 1/4	15 (4)	320 (4640)	30 (1.18)	40 (1.57)	63 (2.48)	12,5 (0.49)	22,5 (0.89)	30 (1.18)	6,5 (0.26)	33 (1.30)	108 (4.25)	0,64 (1.41)	1:4
VRSE380	BSPP 3/8	35 (9.2)		35 (1.38)	50 (1.97)	82 (3.23)	16,5 (0.65)	31,5 (1.24)	36 (1.42)		35 (1.38)	145 (5.71)		
VRSE120	BSPP 1/2	45 (11.9)	300 (4350)	40 (1.57)	60 (2.36)	100 (3.94)	22,5 (0.89)	46 (1.81)	50 (1.97)	8,5 (0.33)	50 (1.97)	192 (7.56)	1,08 (2.38)	
VRSE340	BSPP 3/4	70 (18.5)		40 (1.57)	60 (2.36)	100 (3.94)	22,5 (0.89)	46 (1.81)	50 (1.97)		8,5 (0.33)	50 (1.97)		



Schema idraulico - Hydraulic circuit



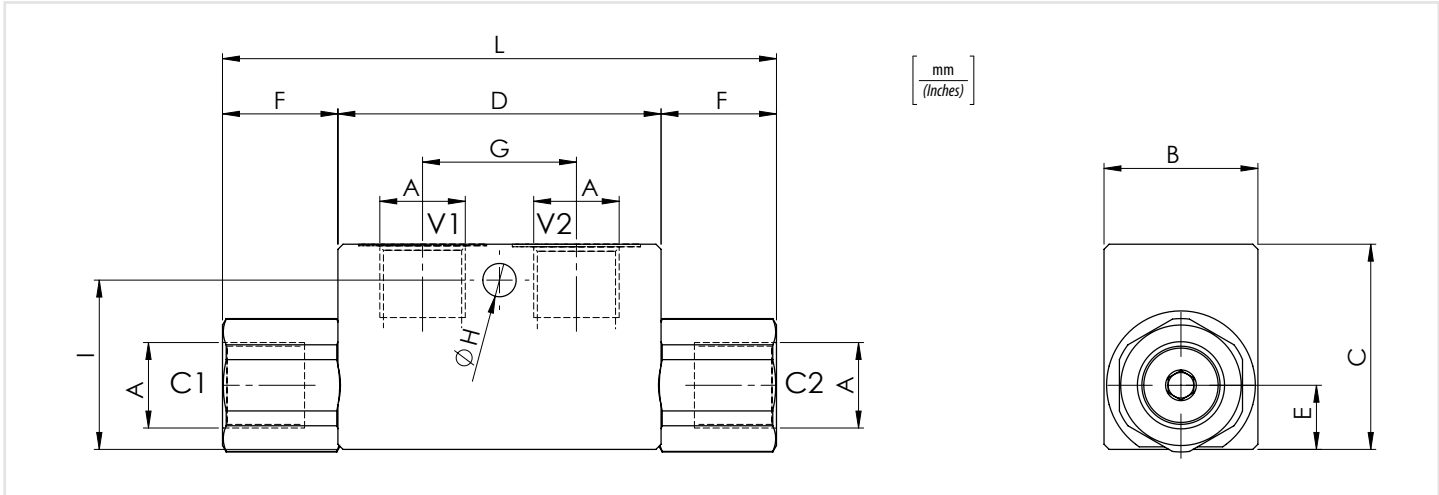
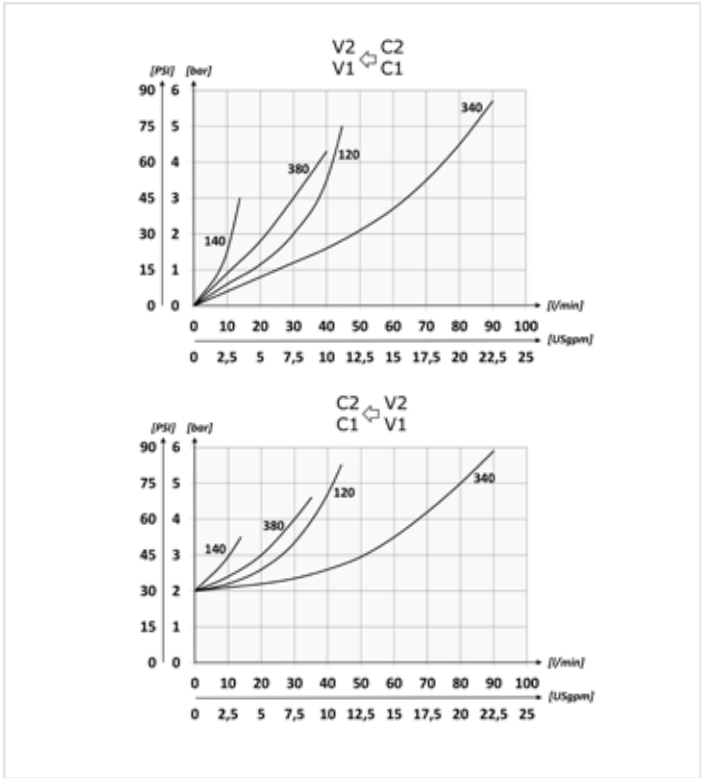
Dati tecnici - Technical data

Olío idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
Trafilamento massimo Max leakage	0,25 cm ³ /min - 5 gocce/min	0,015 in ³ /min - 5 drops/min

Codice ordinazione Ordering code	01	02
	VRDE	

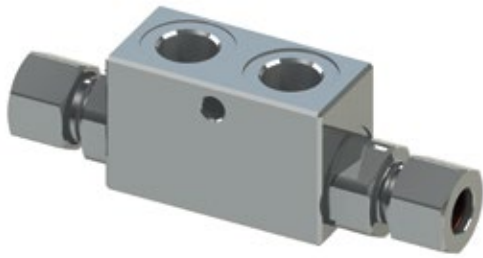
01	Valvole di blocco a doppio effetto (Double acting pilot check valves)	VRDE	
02	Dimensione (Size)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340

Performances



Caratteristiche tecniche - Technical characteristics

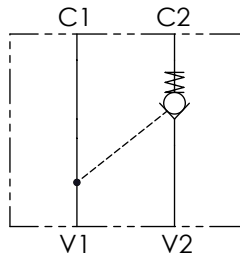
Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	I	L	Peso approssimativo (kg) Approx weight (lb)	Rapporto di pilotaggio Pilot ratio
VRDE140	BSPP 1/4	15 (4)	320 (4640)	30 (1.18)	40 (1.57)	63 (2.48)	12,5 (0.49)	22,5 (0.89)	30 (1.18)	6,5 (0.26)	33 (1.30)	108 (4.25)	0,64 (1.41)	1:4
VRDE380	BSPP 3/8	35 (9.2)		35 (1.38)	50 (1.97)	82 (3.23)	16,5 (0.65)	31,5 (1.24)	36 (1.42)		35 (1.38)	145 (5.71)	1,10 (2.42)	
VRDE120	BSPP 1/2	45 (11.9)	300 (4350)	40 (1.57)	60 (2.36)	100 (3.94)	22,5 (0.89)	46 (1.81)	50 (1.97)	8,5 (0.33)	50 (1.97)	192 (7.56)	2 (4.40)	
VRDE340	BSPP 3/4	70 (18.5)		40 (1.57)	60 (2.36)	100 (3.94)	22,5 (0.89)	46 (1.81)	50 (1.97)	8,5 (0.33)	50 (1.97)	192 (7.56)	2 (4.40)	



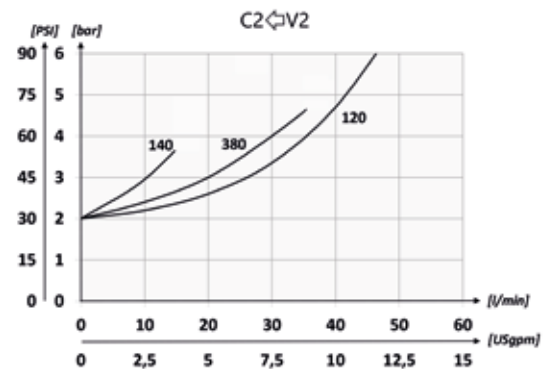
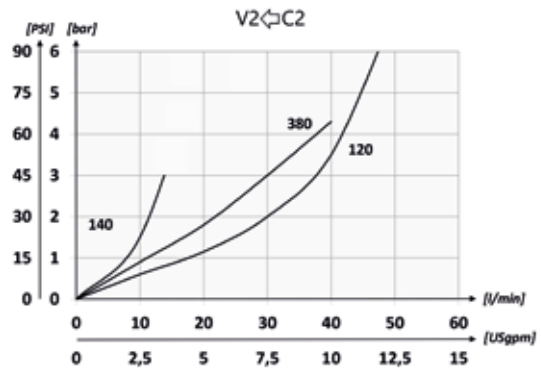
Codice ordinazione Ordering code	01	02	03
	VRSD		

01	Valvole di blocco a semplice effetto DIN2353 (DIN2353 single acting pilot check valves)	VRSD
02	Dimensione (Size)	BSPP 1/4
		BSPP 3/8
		BSPP 1/2
03	Dimensione tubo (Size pipe)	Per tubo Ø 8 - For Ø 8 pipe
		Per tubo Ø 12 - For Ø 12 pipe standard only for BSPP 1/4 and 3/8
		Per tubo Ø 15 - For Ø 15 pipe standard only for BSPP 1/2

Schema idraulico - Hydraulic circuit

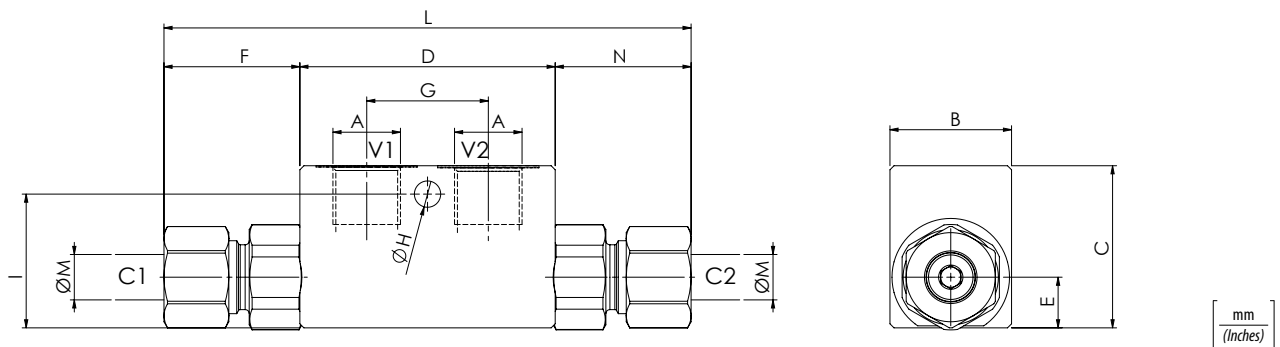


Performances



Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	
Trafilamento massimo Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min



Caratteristiche tecniche - Technical characteristics

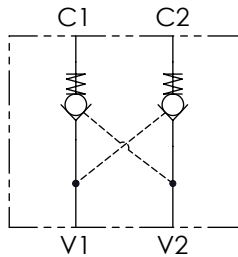
Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	B	C	D	E	F	G	H	I	L	M	Peso approssimativo (kg) Approx weight (lb)	Rapporto di pilotaggio Pilot ratio
VRSD140T8	BSPP 1/4	10 (2.6)	320 (4640)	30 (1.18)	40 (1.57)	63 (2.48)	12,5 (0.49)	28 (1.10)	30 (1.18)	6,5 (0.26)	33 (1.30)	119 (4.69)	8 (0.31)	0,62 (1.36)	1:9
VRSD140		15 (4)													
VRSD380	BSPP 3/8	35 (9.2)		0,60 (1.32)											
VRSD120	BSPP 1/2	45 (11.9)		1,10 (2.42)	35 (1.38)	50 (1.97)	82 (3.23)	16,5 (0.65)	33,5 (1.32)	36 (1.42)	35 (1.38)	149 (5.87)	15 (0.59)	1,10 (2.42)	1:4



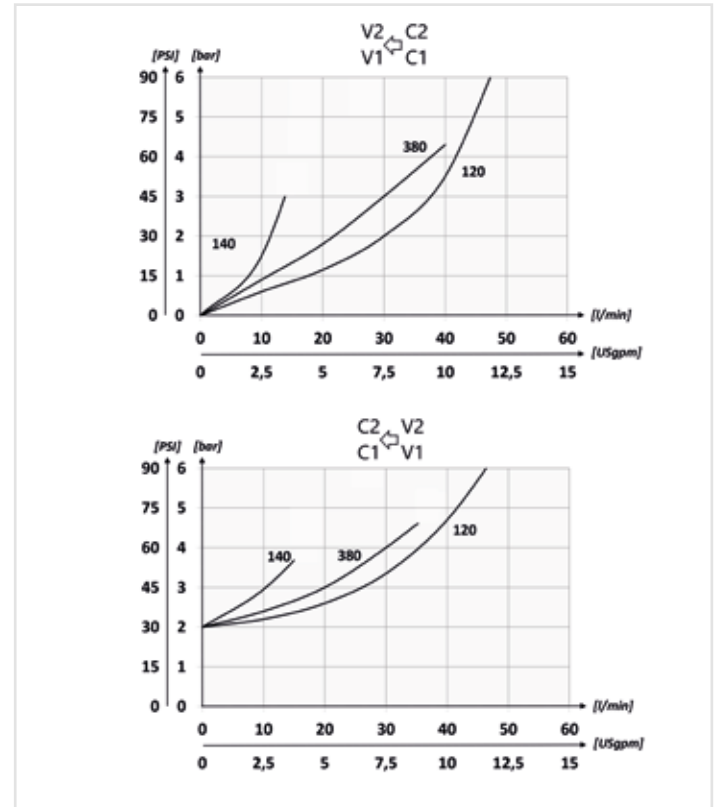
Codice ordinazione Ordering code	01	02	03
	VRDD		

01	Valvole di blocco a doppio effetto DIN2353 (DIN2353 double acting pilot check valves)	VRDD
02	Dimensione (Size)	BSPP 1/4
		BSPP 3/8
		BSPP 1/2
03	Dimensione tubo (Size pipe)	Per tubo Ø 8 - For Ø 8 pipe
		Per tubo Ø 12 - For Ø 12 pipe standard only for BSPP 1/4 and 3/8
		Per tubo Ø 15 - For Ø 15 pipe standard only for BSPP 1/2

Schema idraulico - Hydraulic circuit

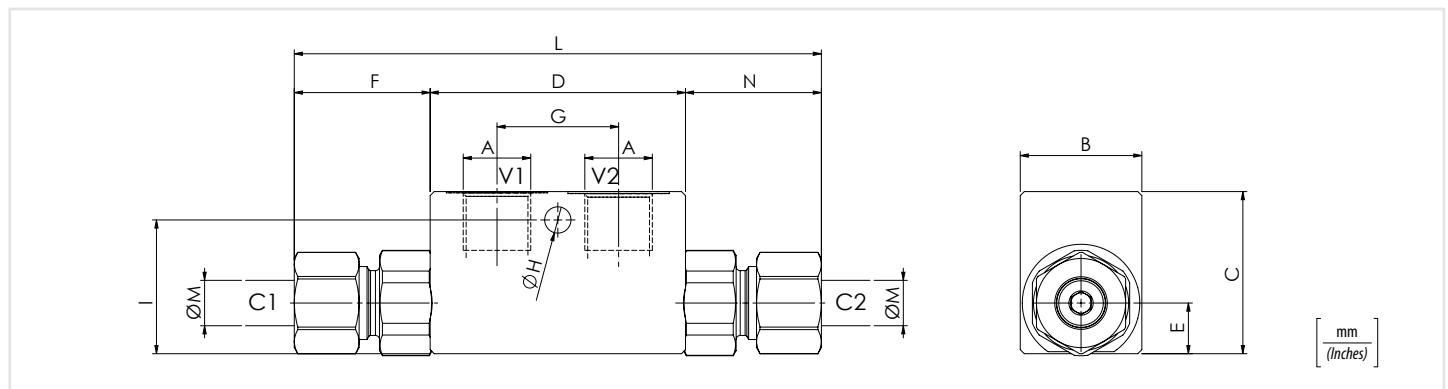


Performances



Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	
Trafilamento massimo Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

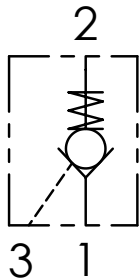


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	E	F	G	H	I	L	M	Peso approssimativo Approx weight kg/lb	Rapporto di pilotaggio Pilot ratio
VRDD140T8	BSPP 1/4	10 (2.6)	320 (4640)	30 (1.18)	40 (1.57)	63 (2.48)	12,5 (0.49)	32 (1.26)	30 (1.18)	6,5 (0.26)	35 (1.38)	113 (4.45)	8 (0.31)	0,60 (1.32)	1:9
VRDD140		15 (4)												0,64 (1.40)	
VRDD380	BSPP 3/8	35 (9.2)												0,63 (1.38)	
VRDD120		45 (11.9)												1,17 (2.57)	



Schema idraulico - Hydraulic circuit



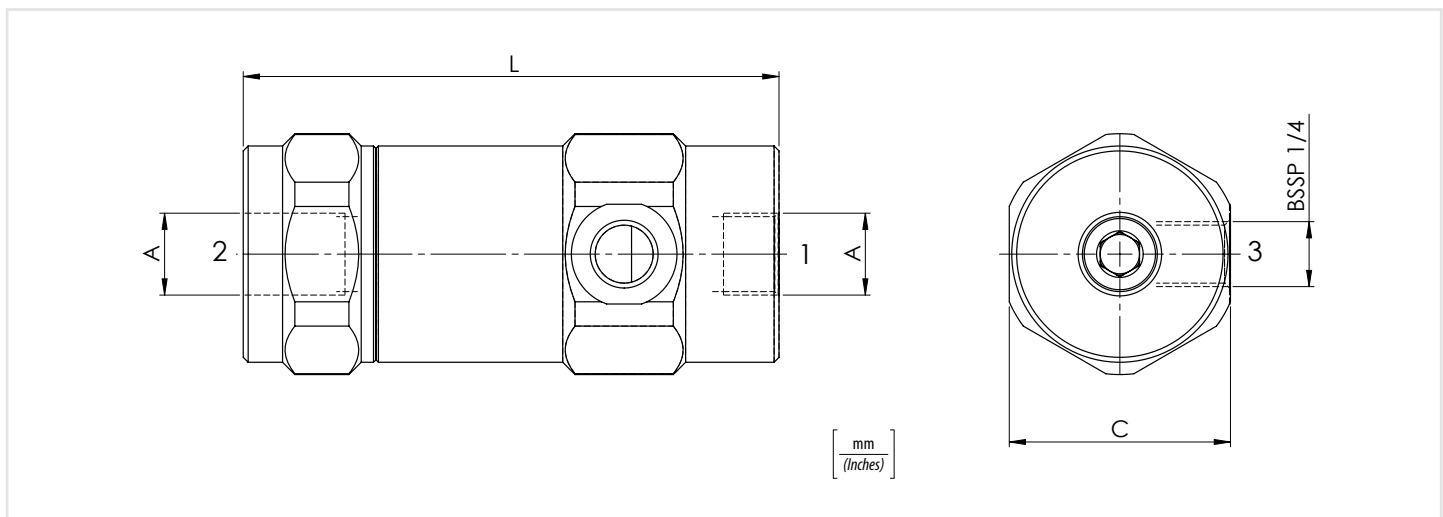
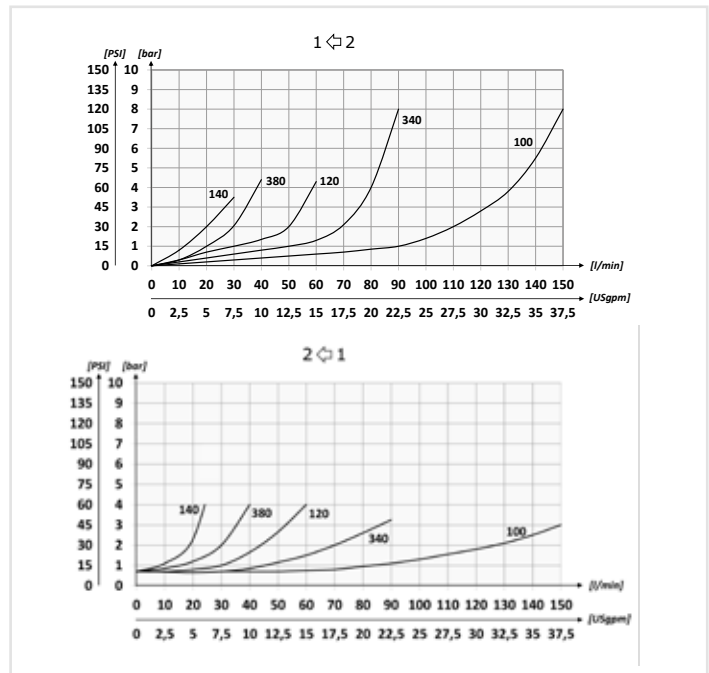
Dati tecnici - Technical data

Olío idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			
Trafilamento massimo Max leakage	0,25 cm ³ /min - 5 gocce/min	0,015 in ³ /min - 5 drops/min	

Codice ordinazione Ordering code	01	02
	VRPE	

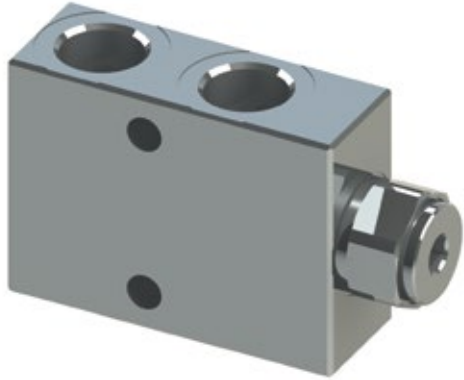
01	Valvole di blocco pilotate a semplice effetto (Single acting pilot check valves)	VRPE	
02	Dimensione (Size)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100

Performances



Caratteristiche tecniche - Technical characteristics

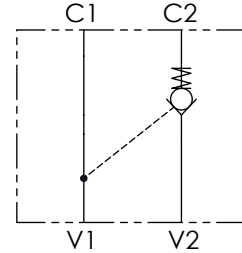
Tipo Type	A	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	L	C	Peso approssimativo (kg) Approx weight (lb)	Rapporto di pilotaggio Pilot ratio
VRPE140	BSPP 1/4	25 (6.6)	350 (5075)	96 (3.78)	40 (1.57)	0,84 (1.85)	1:5.3
VRPE380	BSPP 3/8	40 (10.6)		109 (4.29)	45 (1.77)	1,14 (2.51)	1:4.4
VRPE120	BSPP 1/2	60 (15.9)		122 (4.80)		1,24 (2.73)	1:4.2
VRPE340	BSPP 3/4	100 (26.4)	300 (4350)	132 (5.20)	55 (2.17)	1,87 (4.12)	1:4
VRPE100	BSPP 1	150 (39.6)		166 (6.54)	65 (2.56)	3,22 (7.10)	1:4.1



Codice ordinazione Ordering code	01	02
	VRP	

01	Valvole di blocco pilotate a semplice effetto (Single acting pilot check valves)	VRP
02	Dimensione (Size)	BSPP 3/8
		BSPP 1/2
		380
		120

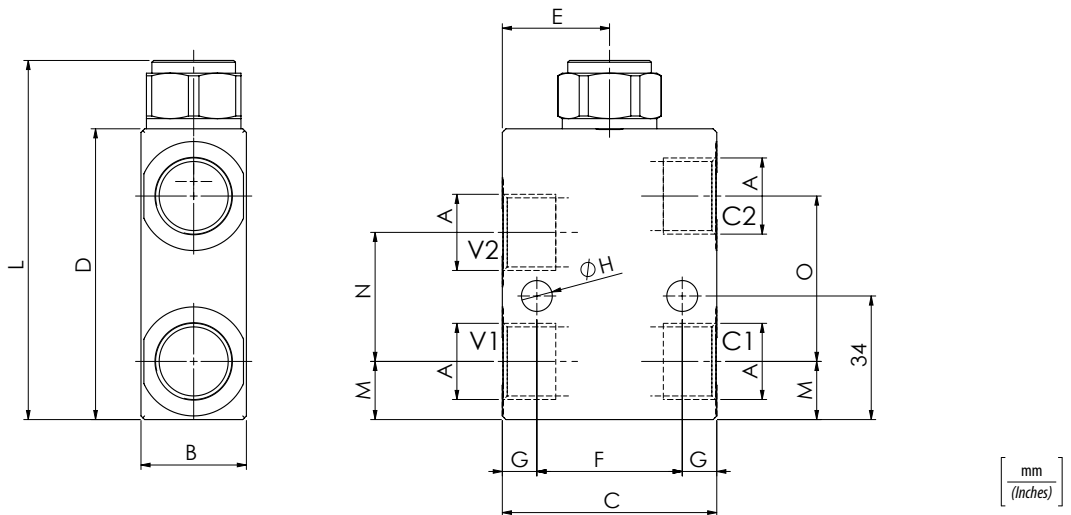
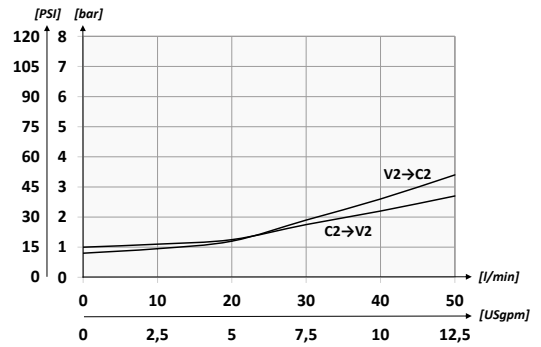
Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

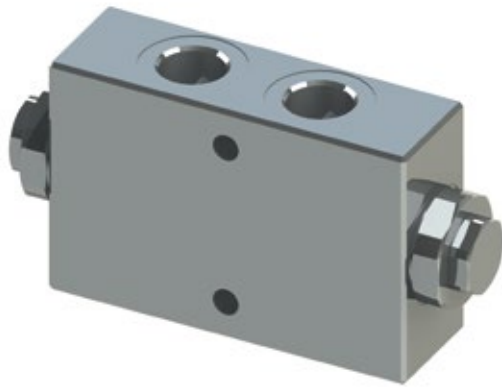
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
Trafilamento massimo Max leakage	0,25 cm ³ /min - 5 gocce/min	0,015 in ³ /min - 5 drops/min

Performances

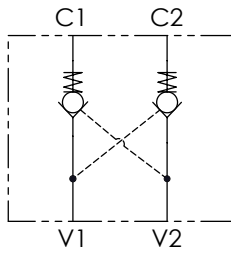


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	E	F	G	H	I	L	M	N	O	Peso approssimativo Approx weight kg/lb	Rapporto di pilotaggio Pilot ratio
VRP380	BSPP 3/8	35 (9.2)	350 (5075)	29	59	80	29,5	40	9,5	8,5	31,75 (1.25)	99	15 (0.59)	33,50 (1.32)	50 (1.97)	0,9 (2)	1:4
VRP120	BSPP 1/2	50 (13.2)		29 (1.14)	59 (2.32)	80 (3.5)	29,5 (1.16)	40 (1.57)	9,5 (0.37)	8,5 (0.33)	34 (1.34)	99 (3.70)	16 (0.63)	35,50 (1.40)	45,5 (1.79)		



Schema idraulico - Hydraulic circuit



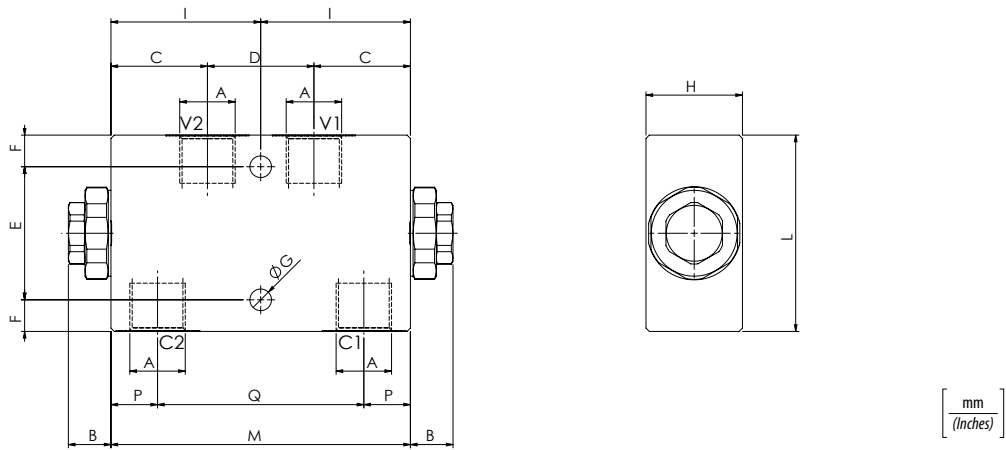
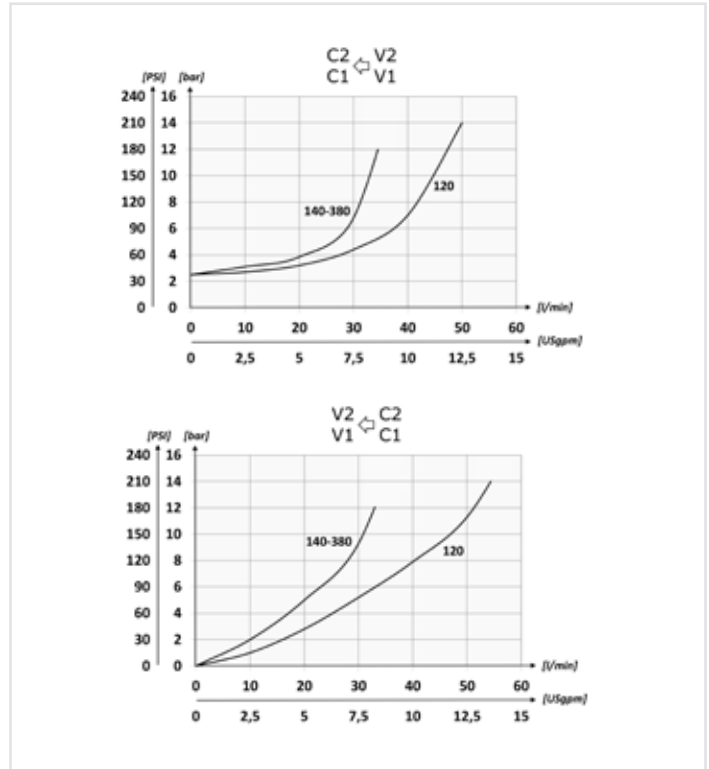
Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	
Trafilamento massimo Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min

Codice ordinazione Ordering code	01	02
	VRDL	

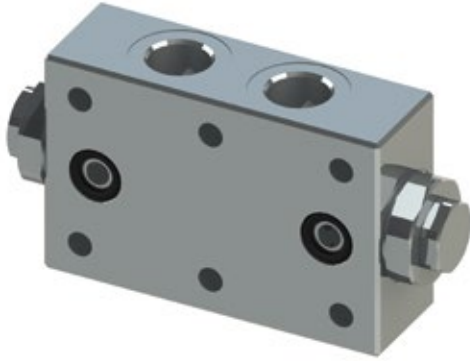
01	Valvole di blocco pilotate a doppio effetto (Double acting pilot check valves)	VRDL
02	Dimensione (Size)	BSPP 1/4 140N
		BSPP 3/8 380N
		BSPP 1/2 120N

Performances

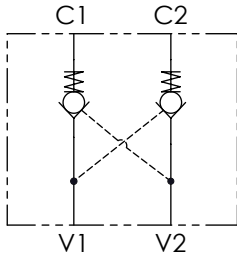


Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	E	F	G	H	I	L	M	P	Q	Peso approssimativo Approx weight kg/lb	Rapporto di pilotaggio Pilot ratio
VRDL140N	BSPP 1/4	35 (9.2)	350 (5075)	13	29	32	40	9,5	6,5	29	45	59	90	14	62	1,18 (2.60)	1:7
VRDL380N	BSPP 3/8			(0.51)	(1.14)	(1.26)		(0.37)	(0.26)	(1.14)	(1.77)	(2.32)	(3.54)	(0.55)	(2.44)	1,10 (2.42)	
VRDL120N	BSPP 1/2	50 (13.2)		14,8	38	34	(1.57)	14,5	8,5	34	55	69	110	20,5	69	1,77 (3.90)	
				(0.58)	(1.50)	(1.34)		(0.57)	(0.33)	(1.34)	(2.17)	(2.72)	(4.33)	(0.81)	(2.72)		



Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

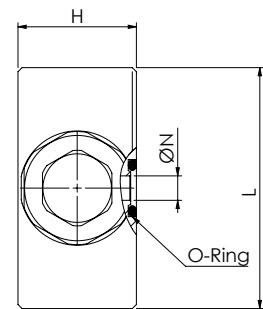
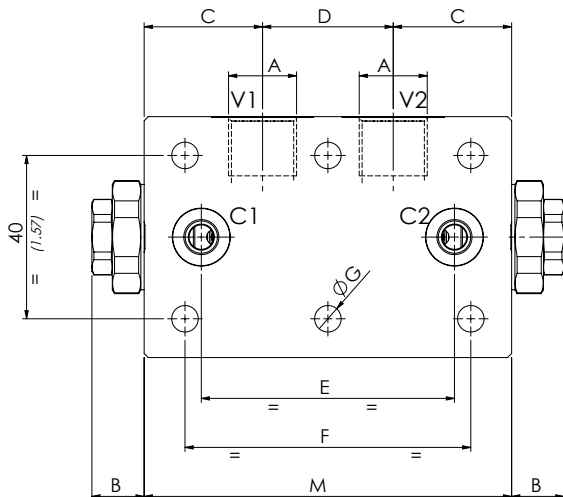
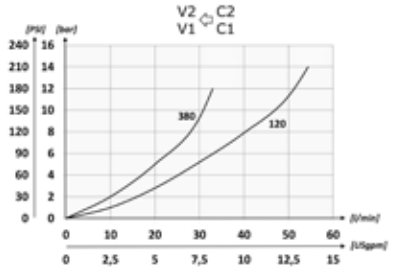
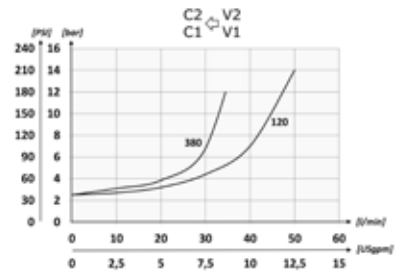
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
Trafilamento massimo Max leakage	0,25 cm ³ /min - 5 gocce/min 0,015 in ³ /min - 5 drops/min	

Codice ordinazione Ordering code

01	02	03	04	05
VRDF				

01	Valvole di blocco flangiata a doppio effetto (Double acting pilot check valves - flanged version)		VRDF
02	Dimensione (Size)	BSPP 3/8	380
		BSPP 1/2	120
03	Molla (Spring)	1 bar (14.5 PSI)	1
		6 bar (87 PSI) Standard	6
04	O-Ring sul pistone di pilotaggio (O-ring on pilot piston)	No o-ring	0
		con o-ring (with o-ring)	1
05	Rapporto di pilotaggio (Pilot ratio)	1:3,2 (solo per dimensione 120 - only for size 120)	32
		1:7	70

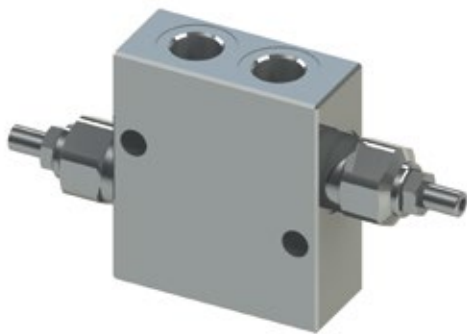
Performances



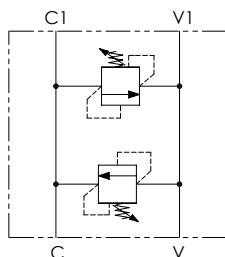
[mm
(Inches)]

Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	E	F	G	H	L	M	O-Ring	Peso approssimativo Approx weight kg/lb	Rapporto di pilotaggio Pilot ratio
VRDF380	BSPP 3/8	35 (9.2)	350 (5075)	12,8 (0.50)	29 (1.94)	32 (1.26)	62 (2.44)	70 (2.76)	6.5 (0.26)	34 (1.34)	59 (2.32)	90 (3.54)	9,19 x 2,62	1,11 (2.44)	1:7
VRDF120	BSPP 1/2	50 (13.2)		14.8 (0.58)	38 (1.50)	34 (1.34)	65 (2.56)	80 (3.15)	8.5 (0.33)		69 (2.72)	110 (4.33)	15,08 x 2,62	1,85 (4)	1:3,2 1:7



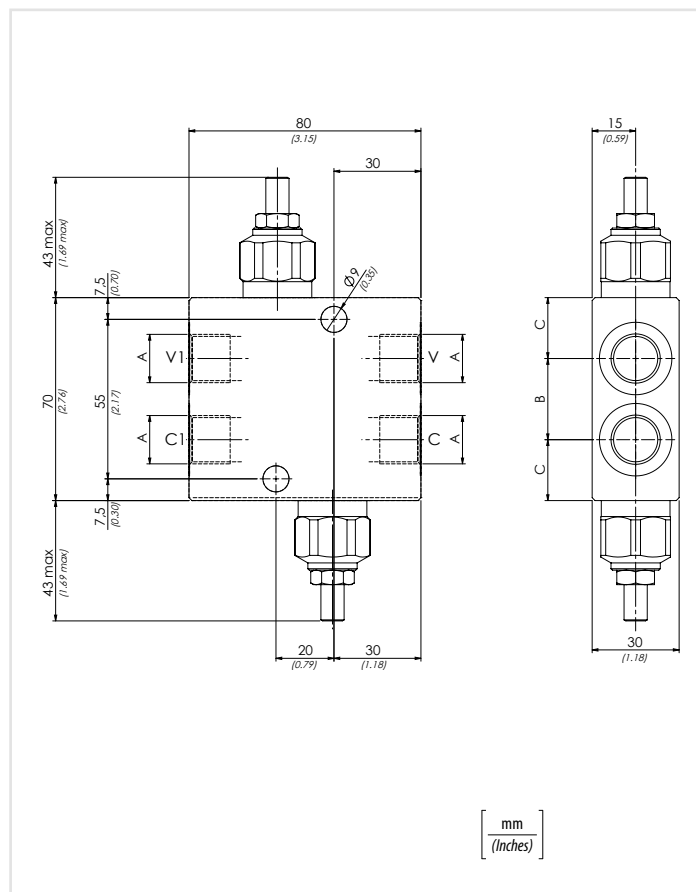
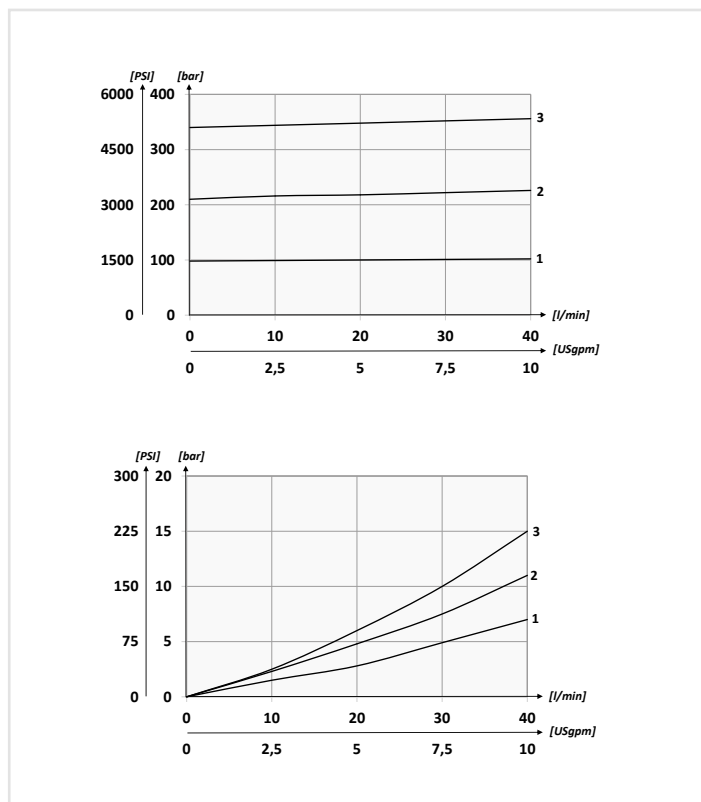
Schema idraulico - Hydraulic circuit



Codice ordinazione Ordering code	01	02	03
	VBDC		

01	Valvole antiurto doppie incrociate (Double cross line direct acting relief valves)	VBDC	
02	Dimensione (Size)	BSPP 3/8 380	
		BSPP 1/2 120	
03	Molla (Spring) 10/90 bar (145/1305 PSI) max	Incremento pressione al giro (Press. increase) 12 bar/al giro (174 PSI/turn)	1
	Molla (Spring) 20/210 bar (290/3045 PSI) max	Incremento pressione al giro (Press. increase) 33 bar/al giro (479 PSI/turn)	2
	Molla (Spring) 70/350 bar (1015/5075 PSI) max	Incremento pressione al giro (Press. increase) 70 bar/al giro (1015 PSI/turn)	3

Performances

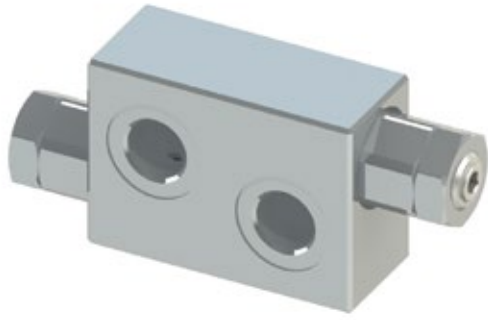


Dati tecnici - Technical data

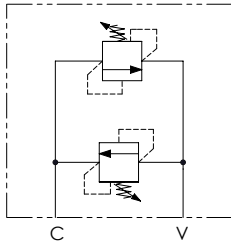
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	Peso approssimativo Approx weight kg/lb	Valvola tipo Type of valve
VBDC380	BSPP 3/8	40 (10.6)	350 (5075)	28 (1.10)	21 (0.83)	1,18 (2.60)	VMD40S
VBDC120	BSPP 1/2			33 (1.30)	18,5 (0.73)		



Schema idraulico - Hydraulic circuit



Codice ordinazione Ordering code	01	02	03
	DCA		

01	Valvole antiurto doppie incrociate (Double cross line direct acting relief valves)		DCA
02	Dimensione (Size)	BSPP 1/4	140
		BSPP 3/8	380
03	Molla (Spring) 10/40 bar (145/580PSI) max	Incremento pressione al giro (Press. increase) 20 bar/al giro (290 PSI/turn)	1
	Molla (Spring) 20/110 bar (290/1595 PSI) max	Incremento pressione al giro (Press. increase) 40 bar/al giro (580 PSI/turn)	2
	Molla (Spring) 30/210 bar (435/3045 PSI) max	Incremento pressione al giro (Press. increase) 70 bar/al giro (1015 PSI/turn)	3
	Molla (Spring) 40/350 bar (580/5075 PSI) max	Incremento pressione al giro (Press. increase) 130 bar/al giro (1885 PSI/turn)	4

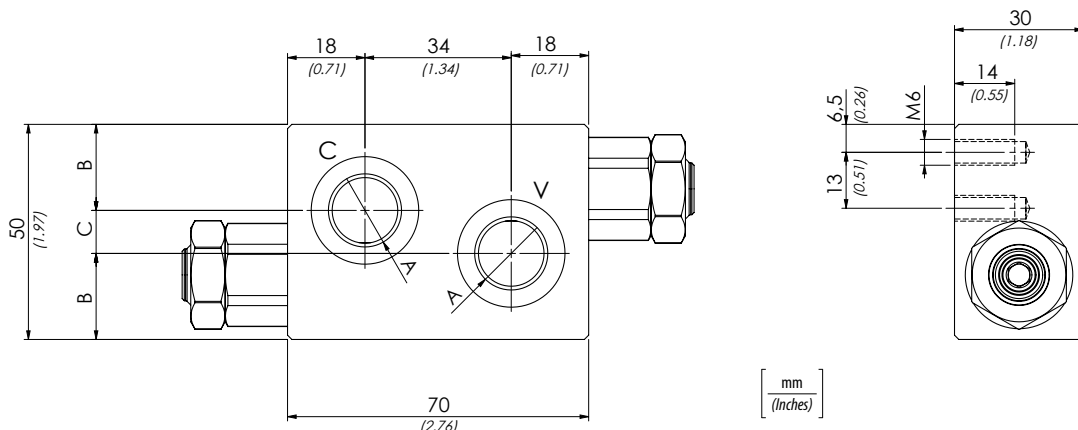
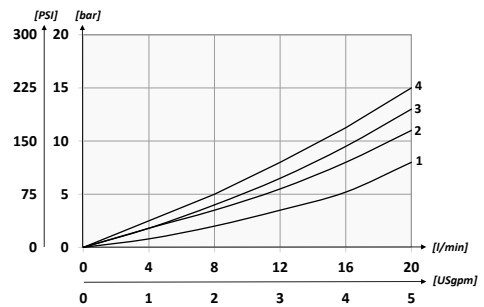
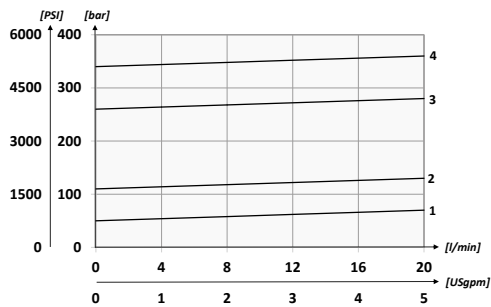
Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	Peso approssimativo Approx weight kg/lb	Valvola tipo Type of valve
DCA140	BSPP 1/4	20 (5.3)	350 (5075)	22 (0.87)	6 (0.24)	0,8 (1.8)	VMD1N
DCA380	BSPP 3/8			20 (0.79)	10 (0.39)		

Dati tecnici - Technical data

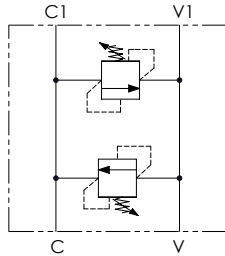
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

Performances





Schema idraulico - Hydraulic circuit



Caratteristiche tecniche - Technical characteristics

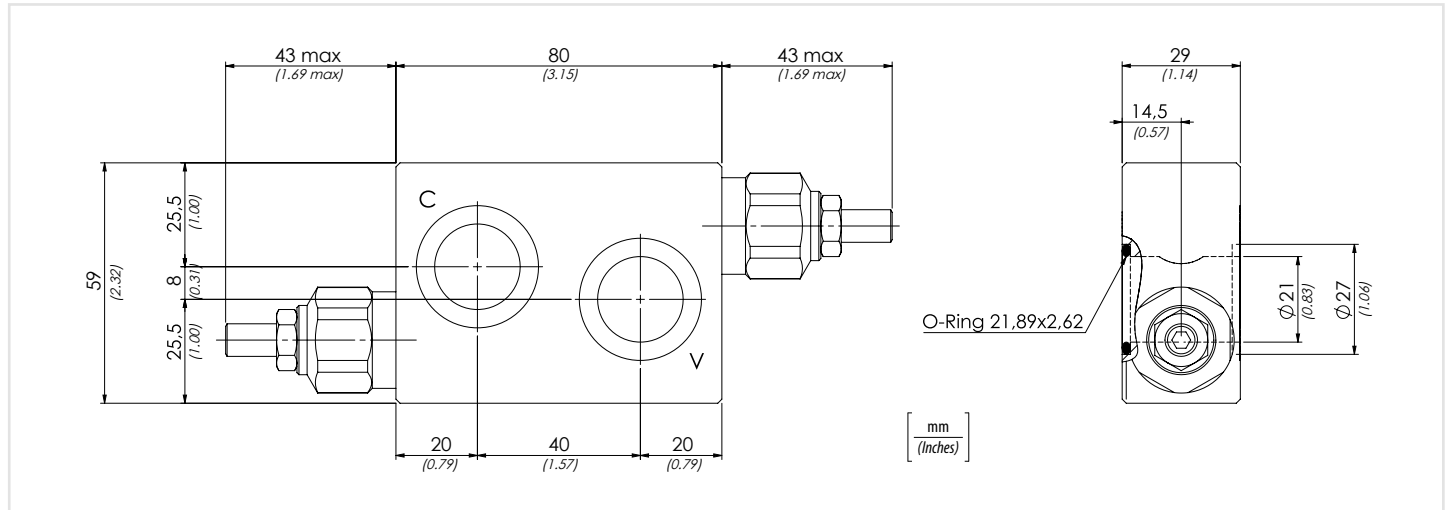
Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	Peso approssimativo Approx weight kg/lb	Valvola tipo Type of valve
DCL120	Ø 21 (BSPP 1/2)	40 (10.6)	350 (5075)	0,96 (2.11)	VMD40S

	01	02	03
Codice ordinazione Ordering code	DCL	120	

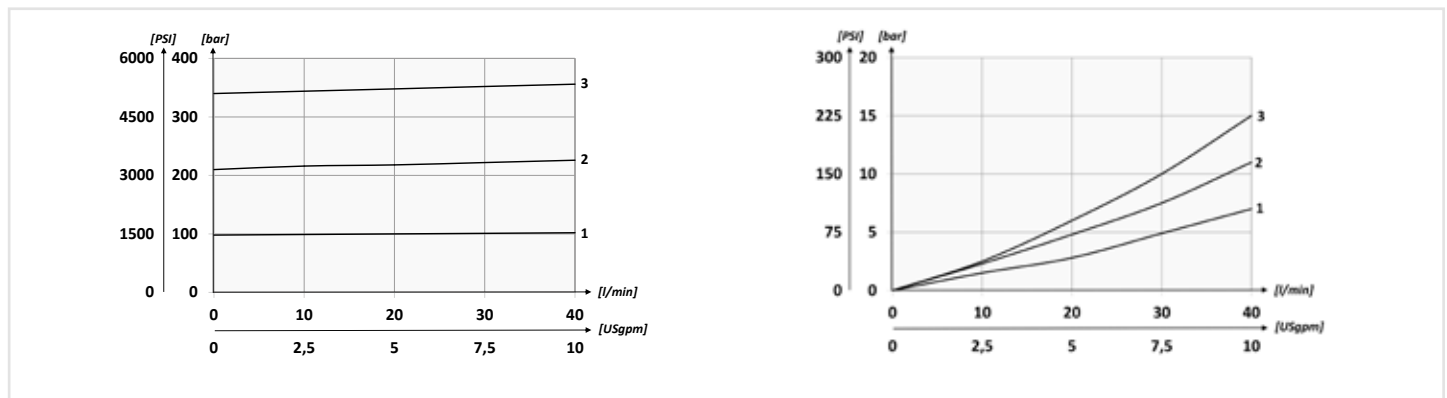
01	Valvole antiurto doppie incrociate (Double cross line direct acting relief valves)	DCL	
02	Dimensione (Size)	Ø 21 (BSPP 1/2)	120
03	Molla (Spring) 10/90 bar (145/1305 PSI) max	Incremento pressione al giro (Press. increase) 12 bar/al giro (174 PSI/turn)	1
	Molla (Spring) 20/210 bar (290/3045 PSI) max	Incremento pressione al giro (Press. increase) 33 bar/al giro (479 PSI/turn)	2
	Molla (Spring) 70/350 bar (1015/5075 PSI) max	Incremento pressione al giro (Press. increase) 70 bar/al giro (1015 PSI/turn)	3

Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

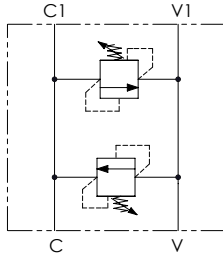


Performances





Schema idraulico - Hydraulic circuit



Caratteristiche tecniche - Technical characteristics

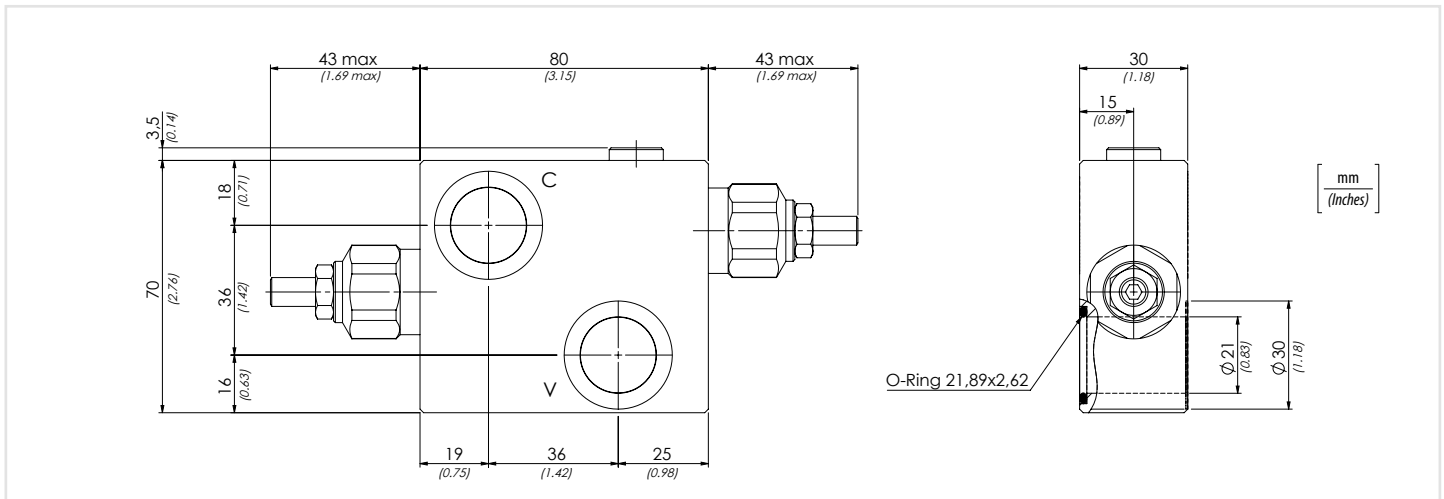
Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	Peso approssimativo Approx weight kg/lb	Valvola tipo Type of valve
DCV120	Ø 21 (BSPP 1/2)	40 (10.6)	350 (5075)	1,2 (2.7)	VMD40S

Codice ordinazione Ordering code	01	02	03
DCV	120		

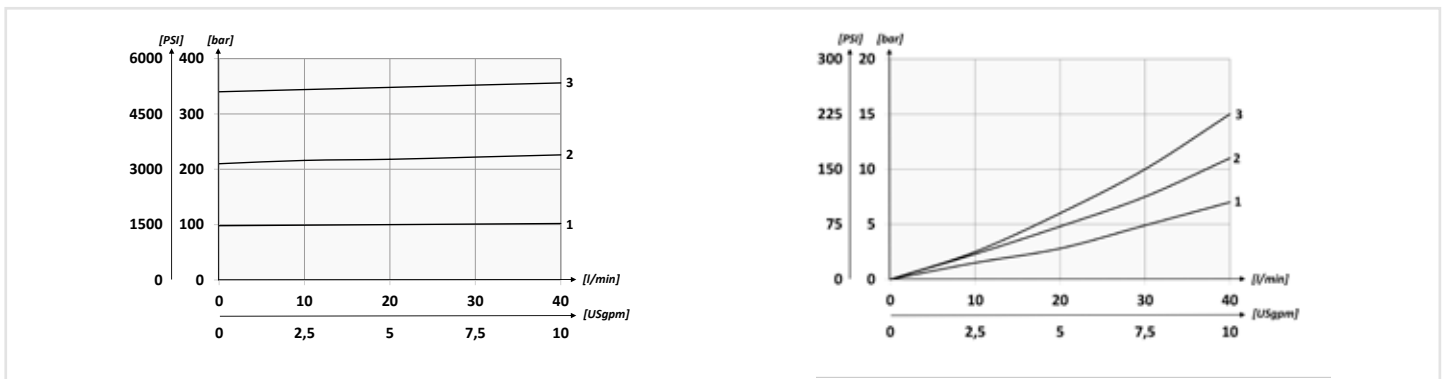
01	Valvole antiurto doppie incrociate (Double cross line direct acting relief valves)	DCV
02	Dimensione (Size)	Ø 21 (BSPP 1/2) 120
03	Molla (Spring) 10/90 bar (145/1305 PSI) max	Incremento pressione al giro (Press. increase) 12 bar/al giro (174 PSI/turn) 1
	Molla (Spring) 20/210 bar (290/3045 PSI) max	Incremento pressione al giro (Press. increase) 33 bar/al giro (479 PSI/turn) 2
	Molla (Spring) 70/350 bar (1015/5075 PSI) max	Incremento pressione al giro (Press. increase) 70 bar/al giro (1015 PSI/turn) 3

Dati tecnici - Technical data

olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

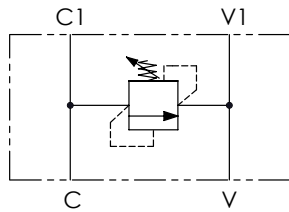


Performances





Schema idraulico - Hydraulic circuit



Caratteristiche tecniche - Technical characteristics

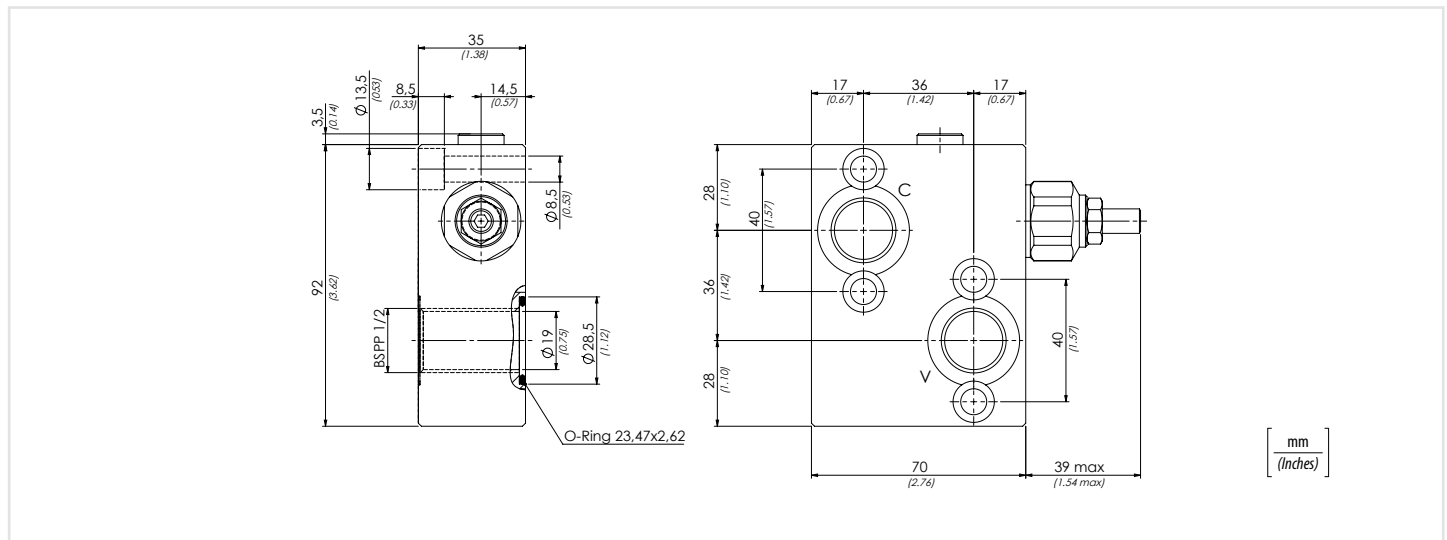
Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	Peso approssimativo Approx weight kg/lb	Valvola tipo Type of valve
SCF120	BSPP 1/2	40 (10.6)	350 (5075)	1,65 (3.63)	VMD40S

Codice ordinazione Ordering code	01	02	03
	SCF	120	

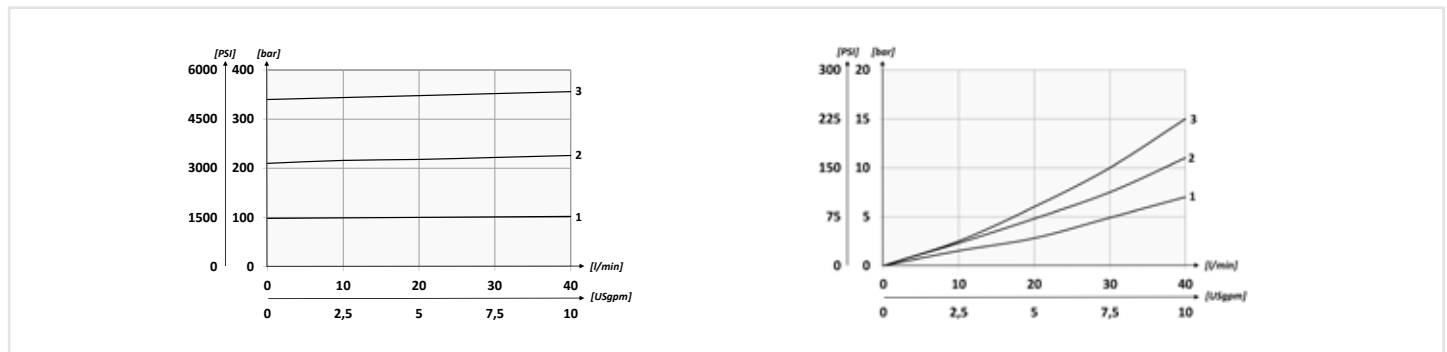
01	Valvole antiurto singola (Single line direct acting relief valves)	SCF	
02	Dimensione (Size)	BSPP 1/2	120
03	Molla (Spring) 10/90 bar (145/1305 PSI) max	Incremento pressione al giro (Press. increase) 12 bar/al giro (174 PSI/turn)	1
	Molla (Spring) 20/210 bar (290/3045 PSI) max	Incremento pressione al giro (Press. increase) 33 bar/al giro (479 PSI/turn)	2
	Molla (Spring) 70/350 bar (1015/5075 PSI) max	Incremento pressione al giro (Press. increase) 70 bar/al giro (1015 PSI/turn)	3

Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

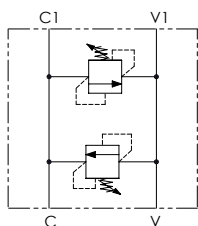


Performances





Schema idraulico - Hydraulic circuit



Codice ordinazione Ordering code	01	02	03
	DCM		

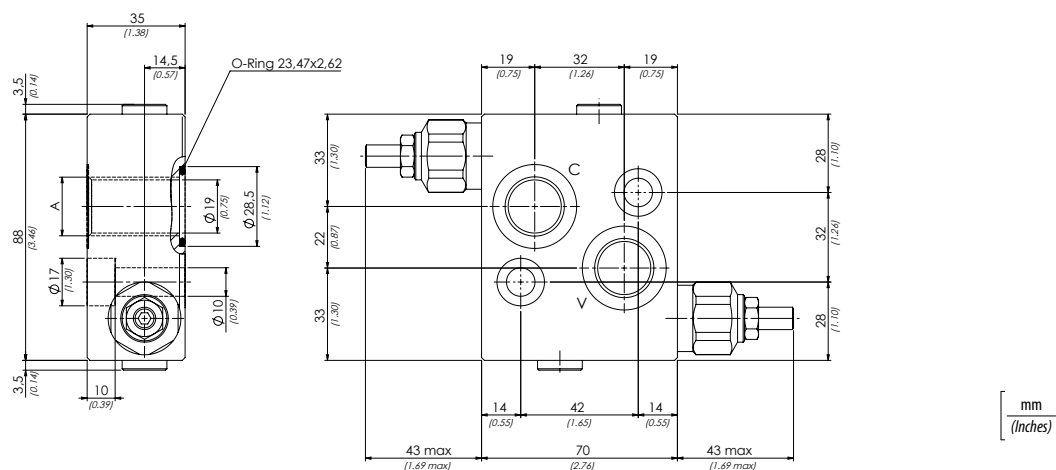
01	Valvole antiurto doppie incrociate (Double cross line direct acting relief valves)	DCM
02	Dimensione (Size)	BSPP 1/2
03	Molla (Spring) 10/40 bar (145/580 PSI) max	Incremento pressione al giro (Press. increase) 12 bar/al giro (174 PSI/turn)
	Molla (Spring) 20/210 bar (290/3045 PSI) max	Incremento pressione al giro (Press. increase) 33 bar/al giro (479 PSI/turn)
	Molla (Spring) 70/350 bar (1015/5075 PSI) max	Incremento pressione al giro (Press. increase) 70 bar/al giro (1015 PSI/turn)

Dati tecnici - Technical data

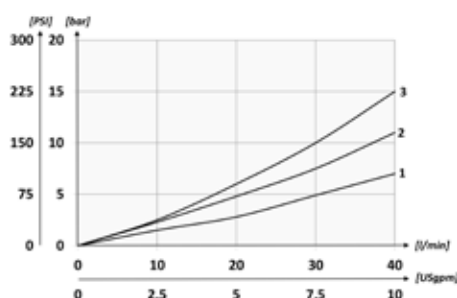
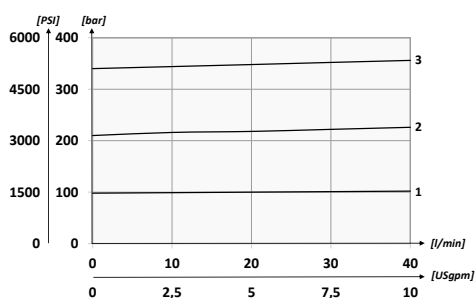
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

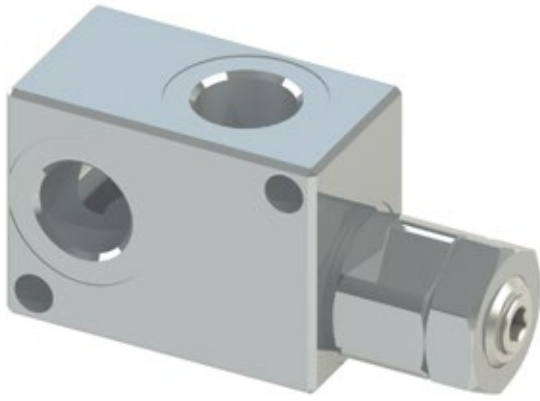
Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	Peso approssimativo Approx weight kg/lb	Valvola tipo Type of valve
DCM120	BSPP 1/2	40 (10.6)	350 (5075)	1,45 (3.20)	VMD405

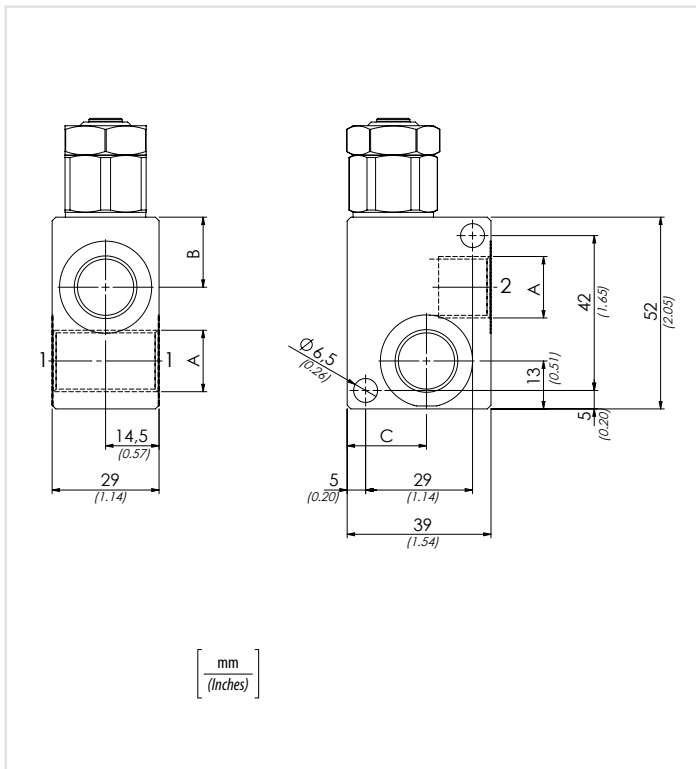
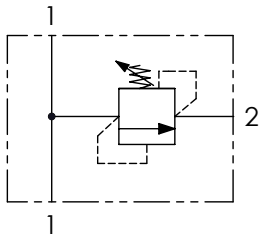


Performances





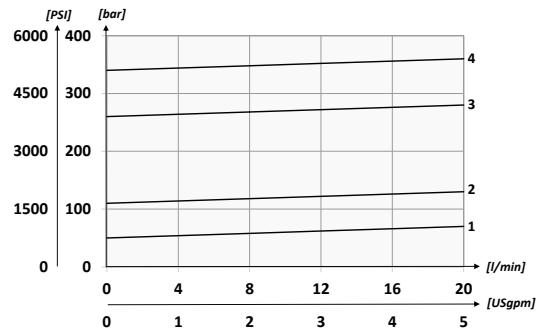
Schema idraulico - Hydraulic circuit



	01	02	03	04
Codice ordinazione Ordering code	VMDR1		C	

01	Valvole di massima in linea (Direct acting relief valves)	VMDR1	
02	Dimensione (Size)	BSPP 1/4	140
		BSPP 3/8	380
03	Regolazione (Setting)	Chiave (Screw)	C
04	Molla (Spring) 10/40 bar (145/580PSI) max	Incremento pressione al giro (Press. increase) 20 bar/al giro (290 PSI/turn)	1
	Molla (Spring) 20/110 bar (290/1595 PSI) max	Incremento pressione al giro (Press. increase) 40 bar/al giro (580 PSI/turn)	2
	Molla (Spring) 30/210 bar (435/3045 PSI) max	Incremento pressione al giro (Press. increase) 70 bar/al giro (1015 PSI/turn)	3
	Molla (Spring) 40/350 bar (580/5075 PSI) max	Incremento pressione al giro (Press. increase) 130 bar/al giro (1885 PSI/turn)	4

Performances



Dati tecnici - Technical data

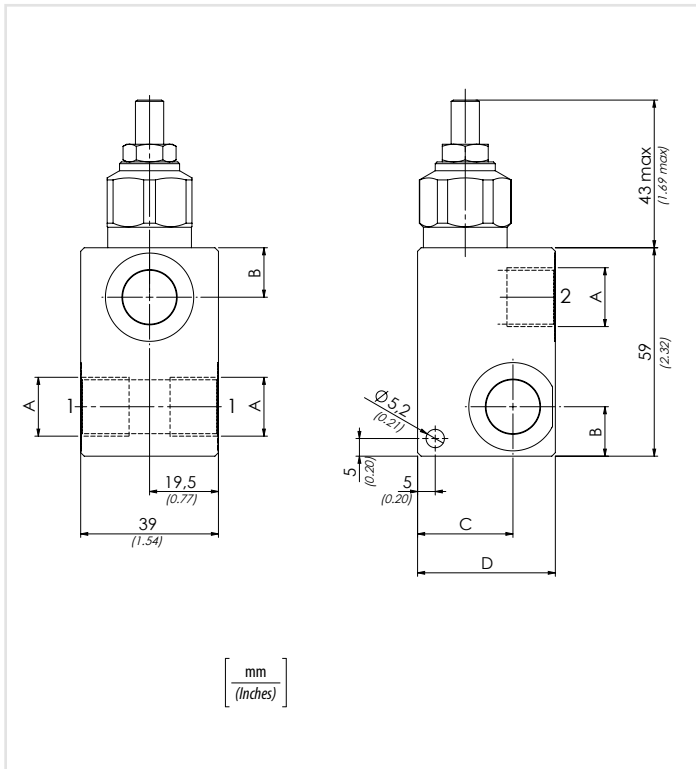
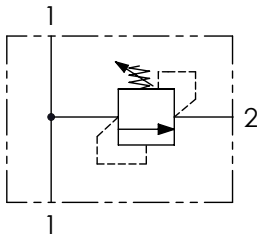
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F	
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

Caratteristiche tecniche - Technical characteristics

Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	Peso approssimativo Approx weight kg/lb
VMDR1140	BSPP 1/4	20 (5.3)	350 (5075)	17 (0.67)	20 (0.79)	0,47 (1.03)
VMDR1380	BSPP 3/8			19 (0.75)	18 (0.71)	0,43 (0.95)



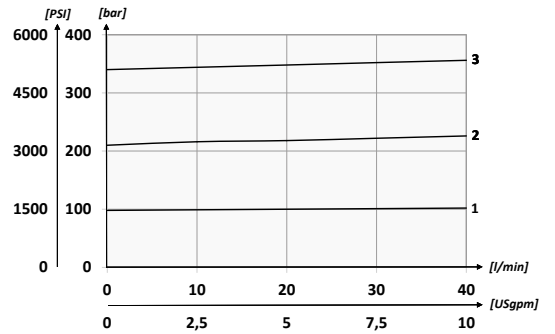
Schema idraulico - Hydraulic circuit



	01	02	03	04
Codice ordinazione Ordering code	VMDR40			

01	Valvole di massima in linea (Direct acting relief valves)		VMDR40
02	Dimensione (Size)	BSPP 3/8	380
		BSPP 1/2	120
03	Regolazione (Setting)	Chiave (Screw)	C
		Volantino (Handknob) Tipo (Type) 81300109	V
04	Molla (Spring) 10/90 bar (145/1305 PSI) max	Incremento pressione (Press. increase) 12 bar/al giro (174 PSI/turn)	1
	Molla (Spring) 20/210 bar (290/3045 PSI) max	Incremento pressione al (Press. increase) 33 bar/al giro (479 PSI/turn)	2
	Molla (Spring) 70/350 bar (1015/5075 PSI) max	Incremento pressione (Press. increase) 70 bar/al giro (1015 PSI/turn)	3

Performances



Dati tecnici - Technical data

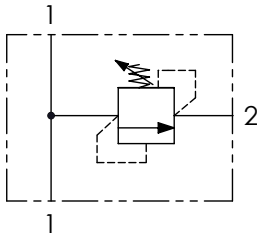
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

Caratteristiche tecniche - Technical characteristics

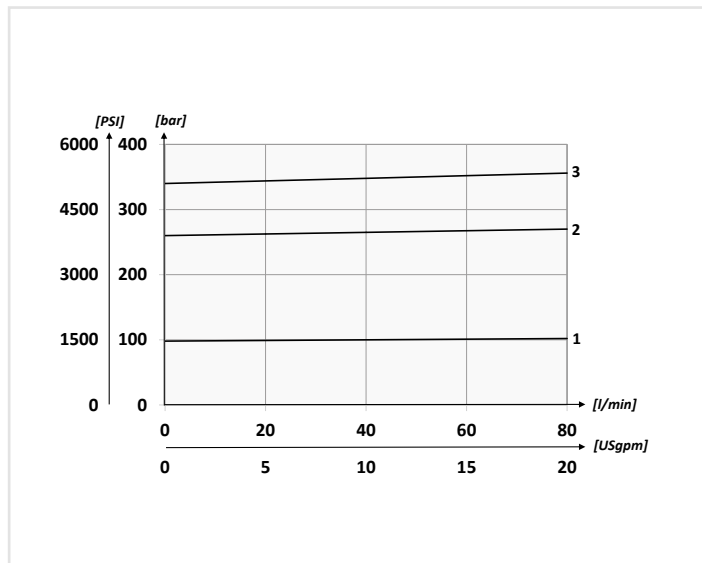
Tipo Type	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	Peso approssimativo Approx weight kg/lb
VMDR40380	BSPP 3/8	40 (10.6)	350 (5075)	14 (0.55)	27 (1.06)	39 (1.54)	0,64 (1.39)
VMDR40120	BSPP 1/2			15 (0.59)	29,5 (1.16)	45 (1.77)	0,69 (1.50)



Schema idraulico - Hydraulic circuit



Performances



Dati tecnici - Technical data

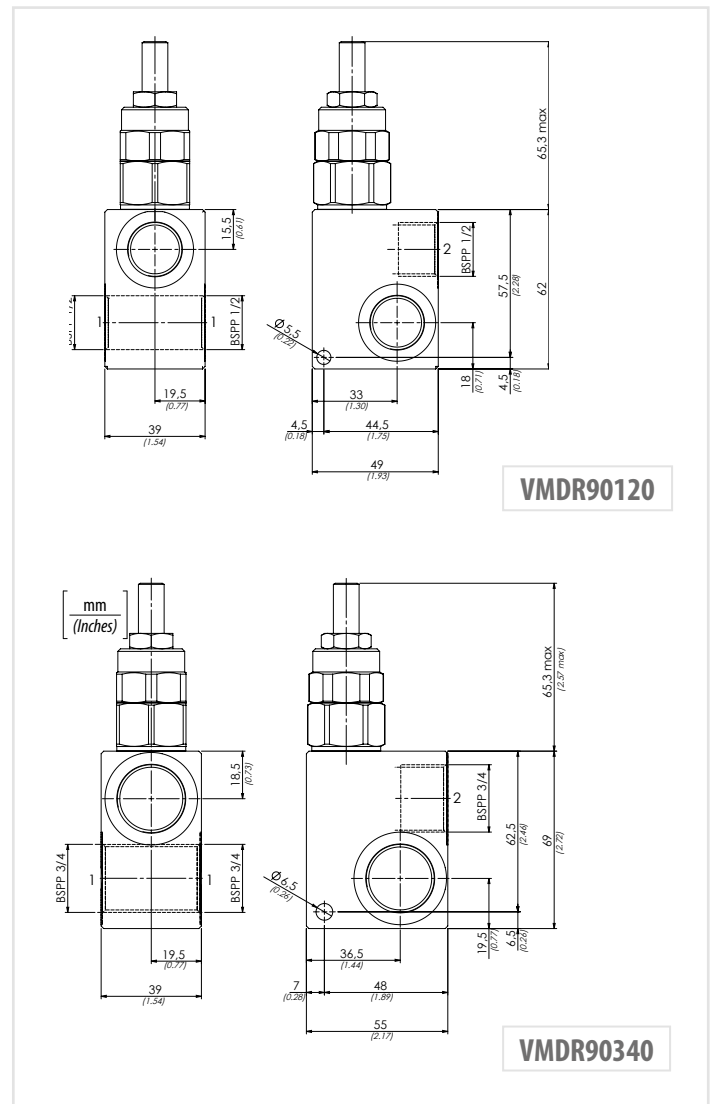
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		

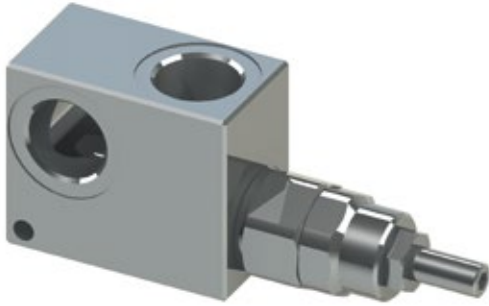
Caratteristiche tecniche - Technical characteristics

Tipo Type	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	Peso approssimativo (kg) Approx weight (lb)
VMDR90120	80 (21.1)	350 (5075)	0,65 (1.43)
VMDR90340			1 (2.2)

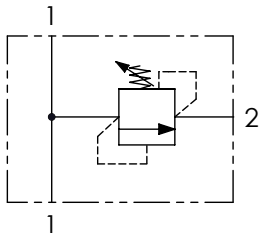
Codice ordinazione Ordering code	01	02	03	04
VMDR90				

01	Valvole di massima in linea (Direct acting relief valves)	VMDR90
02	Dimensione (Size)	BSPP 1/2 120
		BSPP 3/4 340
03	Regolazione (Setting)	Chiave (Screw) C
		Volantino (Handknob) Tipo (Type) 81300023 V
04	Molla (Spring) 10/100 bar (145/1450 PSI) max	Incremento pressione al giro (Press. increase) 26 bar/al giro (377 PSI/turn) 1
	Molla (Spring) 20/250 bar (290/3625 PSI) max	Incremento pressione al giro (Press. increase) 41 bar/al giro (595 PSI/turn) 2
	Molla (Spring) 50/350 bar (725/5075 PSI) max	Incremento pressione al giro (Press. increase) 91 bar/al giro (1320 PSI/turn) 3

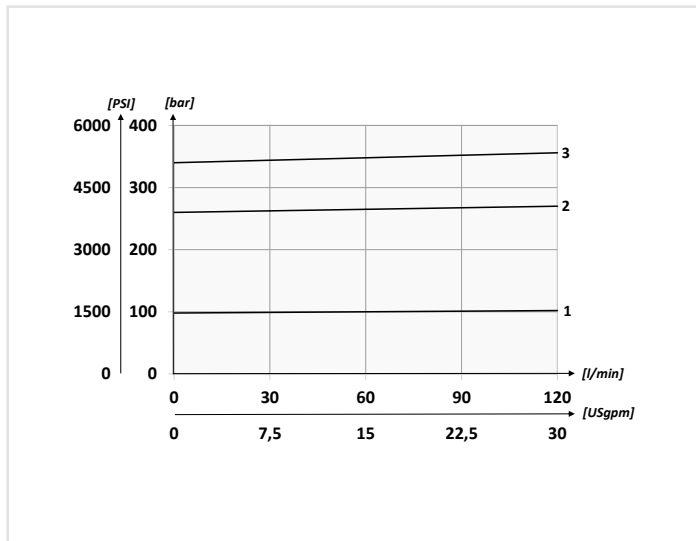




Schema idraulico - Hydraulic circuit



Performances



Dati tecnici - Technical data

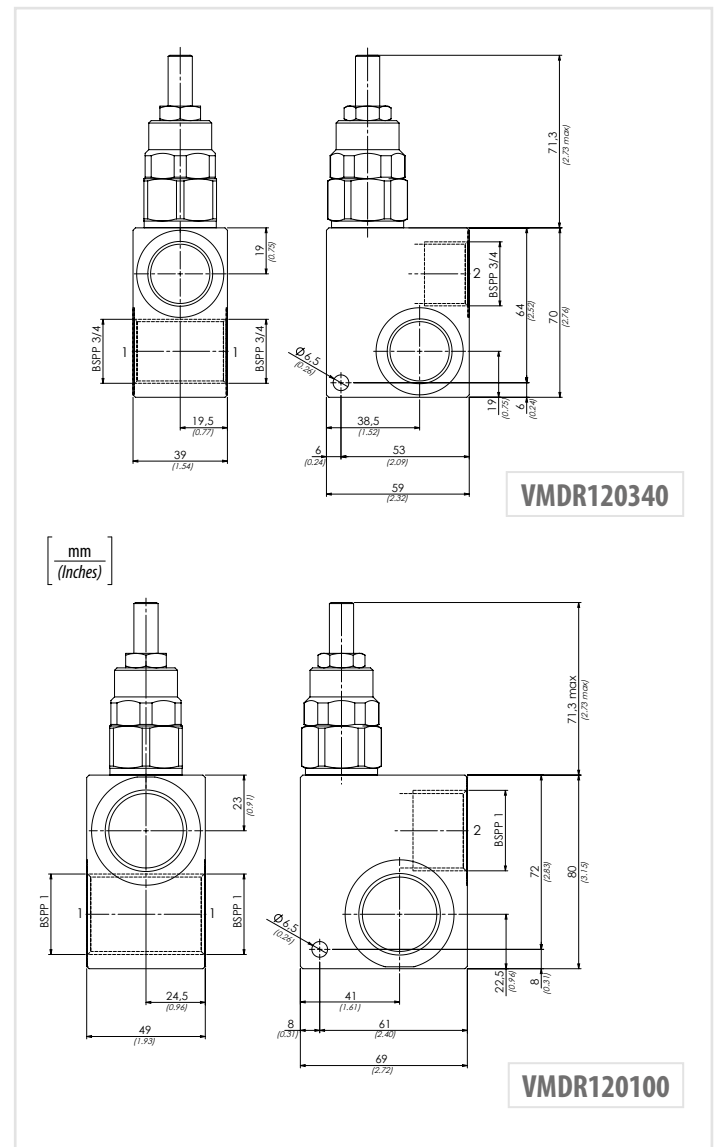
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C -4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

Caratteristiche tecniche - Technical characteristics

Tipo Type	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	Peso approssimativo (kg) Approx weight (lb)
VMDR120340	120 (31.7)	350 (5075)	1,1 (2.42)
VMDR120100			1,7 (3.74)

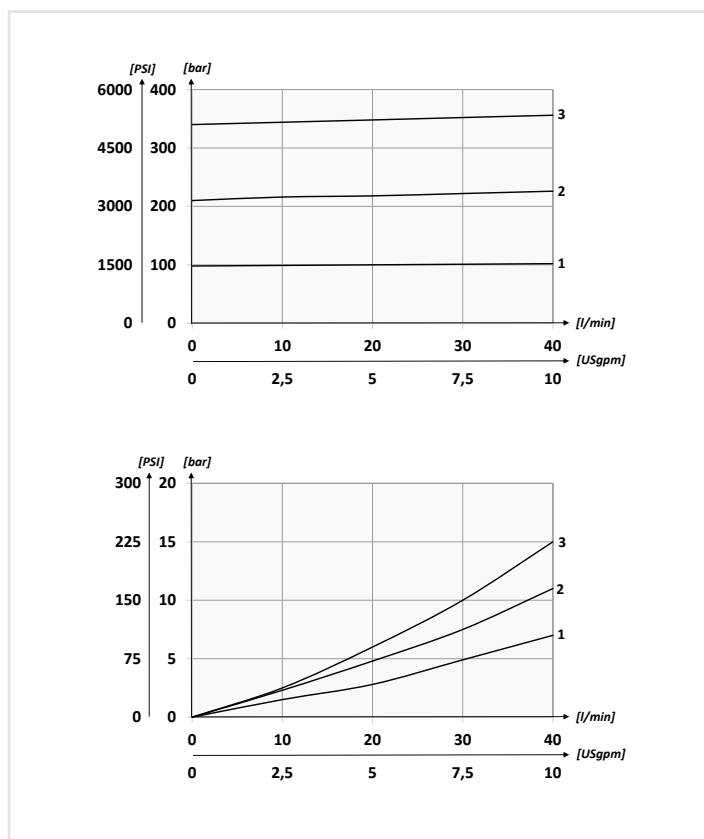
Codice ordinazione Ordering code	01	02	03	04
VMDR120				

01	Valvole di massima in linea (Direct acting relief valves)	VMDR120
02	Dimensione (Size)	BSPP 3/4 340
		BSPP 1 100
03	Regolazione (Setting)	Chiave (Screw) C
		Volantino (Handknob) Tipo (Type) 81300023 V
04	Molla (Spring) 10/100 bar (145/1450 PSI) max	Incremento pressione al giro (Press. increase) 21 bar/al giro (305 PSI/turn) 1
	Molla (Spring) 20/250 bar (290/3625 PSI) max	Incremento pressione al giro (Press. increase) 48 bar/al giro (696 PSI/turn) 2
	Molla (Spring) 40/350 bar (580/5075 PSI) max	Incremento pressione al giro (Press. increase) 55 bar/al giro (798 PSI/turn) 3





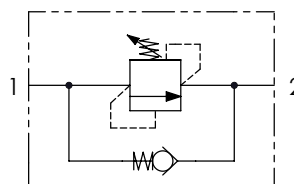
Performances



	01	02	03
Codice ordinazione Ordering code	VSL		

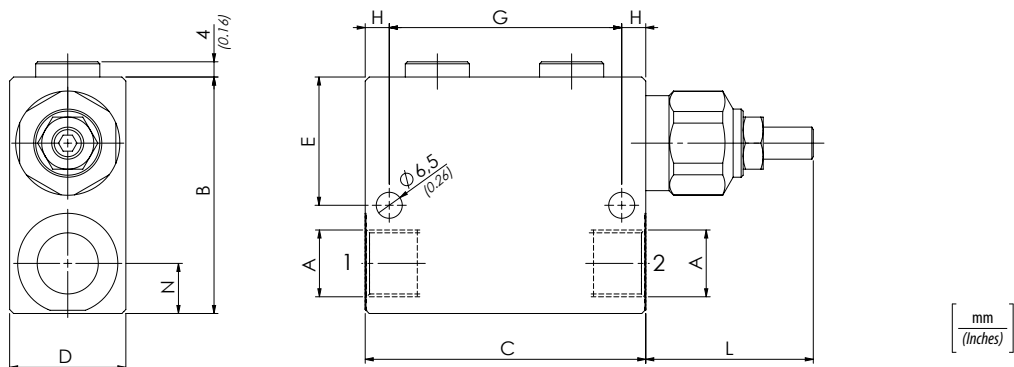
01	Valvole di sequenza dirette (In-line direct sequence valves)		VSL
02	Dimensione (Size)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
03	Molla (Spring) 20/110 bar (290/1595 PSI) max	Incremento pressione al giro (Press. increase) 35 bar/al giro (508 PSI/turn)	BSPP 1/4
	Molla (Spring) 10/90 bar (145/1305 PSI) max	Incremento pressione al giro (Press. increase) 12 bar/al giro (174 PSI/turn)	BSPP 3/8-BSPP 1/2
	Molla (Spring) 30/210 bar (435/3045 PSI) max	Incremento pressione al giro (Press. increase) 62 bar/al giro (899 PSI/turn)	BSPP 1/4
	Molla (Spring) 20/210 bar (290/3045 PSI) max	Incremento pressione al giro (Press. increase) 30 bar/al giro (435 PSI/turn)	BSPP 3/8-BSPP 1/2
	Molla (Spring) 40/350 bar (580/5075 PSI) max	Incremento pressione al giro (Press. increase) 120 bar/al giro (1740 PSI/turn)	BSPP 1/4
	Molla (Spring) 70/350 bar (1015/5075 PSI) max	Incremento pressione al giro (Press. increase) 65 bar/al giro (943 PSI/turn)	BSPP 3/8-BSPP 1/2

Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



Caratteristiche tecniche - Technical characteristics

Tipo	A	Portata max (l/min)	Pressione max (bar)	B	C	D	E	G	L	N	H	P	Peso approssimativo (kg)
Type		Max flow (USgpm)	Max pressure (PSI)										Approx weight (lb)
VSL140	BSPP 1/4	20 (5.3)	350 (5075)	60 (2.36)	60 (0.98)	25 (0.98)	35.5 (1.40)	49 (1.93)	53 (2.09)	12 (0.47)	20 (0.79)	5.5 (0.22)	0.72 (1.58)
VSL380	BSPP 3/8	40 (10.6)			70 (2.76)	30 (1.18)	32.5 (1.28)	58 (2.28)	43 (1.69)	13 (0.51)	17 (0.67)	6.5 (0.26)	0.89 (1.96)
VSL120	BSPP 1/2				70 (2.76)	35 (1.38)	35 (1.38)	58 (2.28)	43 (1.69)	17 (0.67)	17 (0.67)	6.5 (0.26)	1 (2.21)