



HYDRAULIC VALVES AND COMPONENTS



Insert valves

Valvole ad inserto



Codice ordinazione Ordering code	01	02
	VUI	

01	Valvole unidirezionali a sfera (Check valves - ball type)	VUI	
02	Dimensione (Size)	BSPP1/4	140
		BSPP3/8	380
		BSPP1/2	120
		BSPP3/4	340

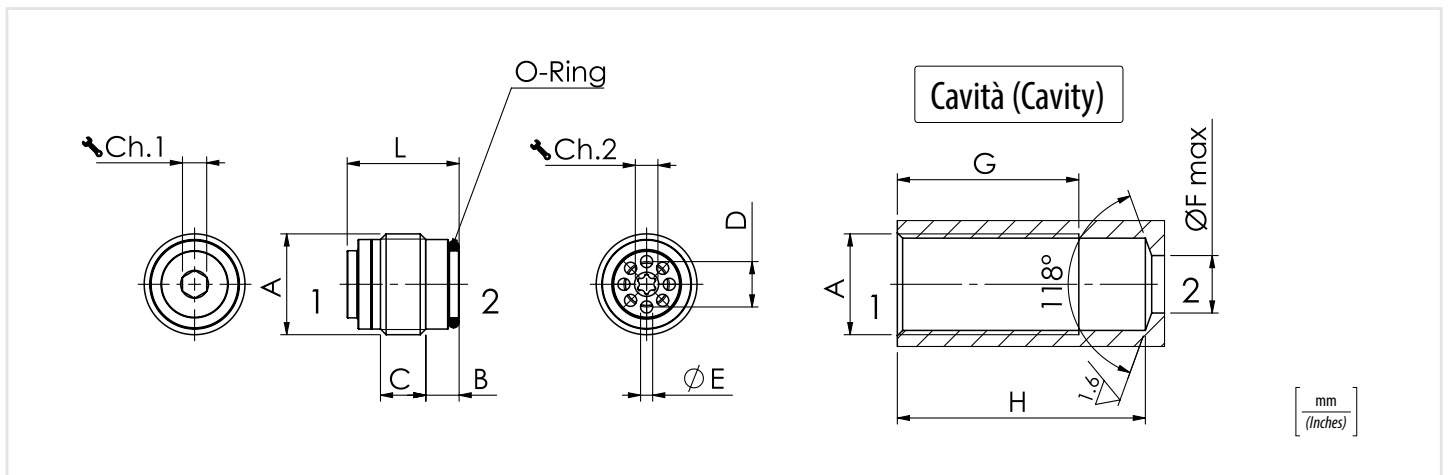
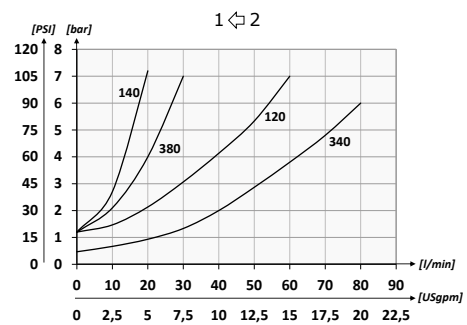
Schema idraulico - Hydraulic circuit



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
Pressione d'apertura/Cracking pressure	0,5 bar - 7.25 PSI

Performances



Caratteristiche tecniche - Technical characteristics

Codice Code	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	E	F	G	H	L	Ch. 1	Ch. 2	Coppia di serraggio Tightening torque Nm/lbt ft	O-Ring	Peso approssimativo Approx weight kg/lb
VUI 140	BSPP1/4	20 (5.3)	350 (5075)	5,5 (0.22)	6 (0.24)	6 (0.24)	1,3 (0.05)	7 (0.28)	28 (1.10)	31 (1.22)	17 (0.67)	3	Torx T15	4 (35)	9 x 1	0,01 (0.022)
VUI 380	BSPP3/8	30 (7.9)			7,5 (0.30)	7,5 (0.30)	2 (0.08)	9 (0.35)	31 (1.22)	34 (1.34)	18,5 (0.73)	4	Torx T15	6 (53)	10,82 x 1,78	0,018 (0.040)
VUI 120	BSPP1/2	50 (13.2)		7 (0.28)	8,5 (0.34)	10 (0.39)	2,5 (0.10)	12 (0.47)	35 (1.38)	38 (1.50)	22,5 (0.88)	6	5	10 (88)	14 x 1,78	0,033 (0.073)
VUI 340	BSPP3/4	80 (21.1)		8 (0.31)	12,5 (0.49)	14 (0.55)	3 (0.12)	16 (0.63)	41 (1.61)	45 (1.77)	28,5 (1.12)	8	8	20 (177)	18,72 x 2,62	0,07 (0.16)



Schema idraulico - Hydraulic circuit



Codice ordinazione
Ordering code

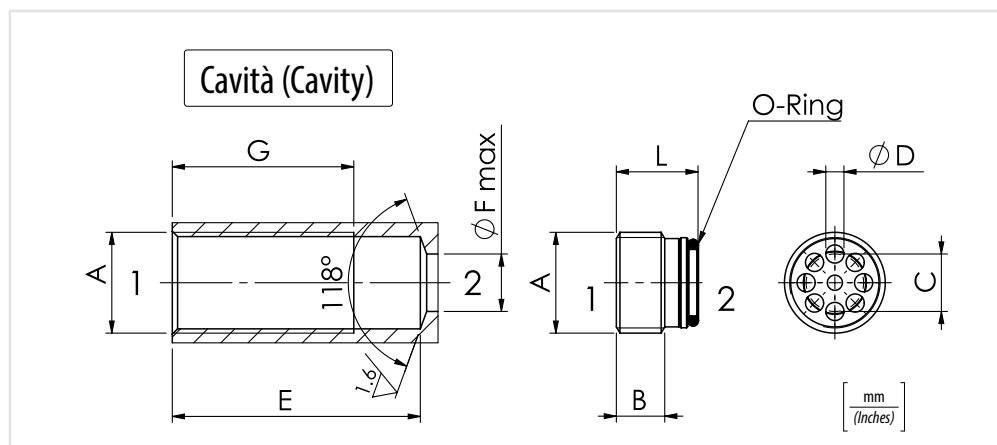
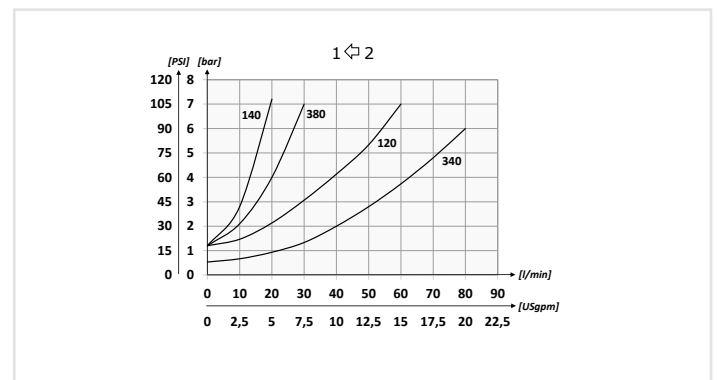
01	02
VUP	

01	Valvole unidirezionali a disco (Check valves - disk type)	VUP
02	Dimensione (Size)	BSPP1/4 140
		BSPP3/8 380
		BSPP1/2 120
		BSPP3/4 340

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
Pressione d'apertura/Cracking pressure	0,5 bar - 7.25 PSI	

Performances



Chiave - Tool

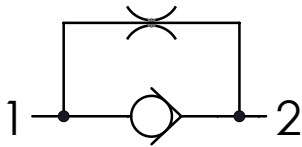
Dimensione/Dimensions		
Codice chiave Tool's code	Codice Code	Peso/kg Weight/lb
61700005	VUP140	0,12 (0.27)
61700006	VUP380	0,13 (0.29)
61700003	VUP120	0,15 (0.33)
61700030	VUP340	0,18 (0.40)

Caratteristiche tecniche - Technical characteristics

Codice Code	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	E	F	G	L	Coppia di serraggio Tightening torque Nm/lbt ft	O-Ring	Peso approssimativo Approx weight kg/lb
VUP140	BSPP1/4	20 (5.3)	350 (5075)	6 (0.24)	7 (0.27)	2 (0.08)	24 (0.94)	7 (0.28)	22 (0.87)	10,2 (0.40)	6 (53)	9 x 1	0,006 (0.013)
VUP380	BSPP3/8	35 (9.2)		8 (0.31)	9,5 (0.37)	3 (0.12)	29 (1.14)	9 (0.35)	27 (1.06)	13,5 (0.53)	6 (53)	10,82 x 1,78	0,011 (0.025)
VUP120	BSPP1/2	60 (15.9)		10 (0.39)	12 (0.47)	4 (0.16)	32 (1.26)	12 (0.47)	29 (1.14)	16,1 (0.63)	10 (88)	14 x 1,78	0,02 (0.044)
VUP340	BSPP3/4	80 (21.1)		10,5 (0.41)	16 (0.63)	4,75 (0.19)	37 (1.46)	16 (0.63)	33 (1.30)	20,2 (0.80)	20 (177)	18,72 x 2,62	0,043 (1.12)



Schema idraulico - Hydraulic circuit



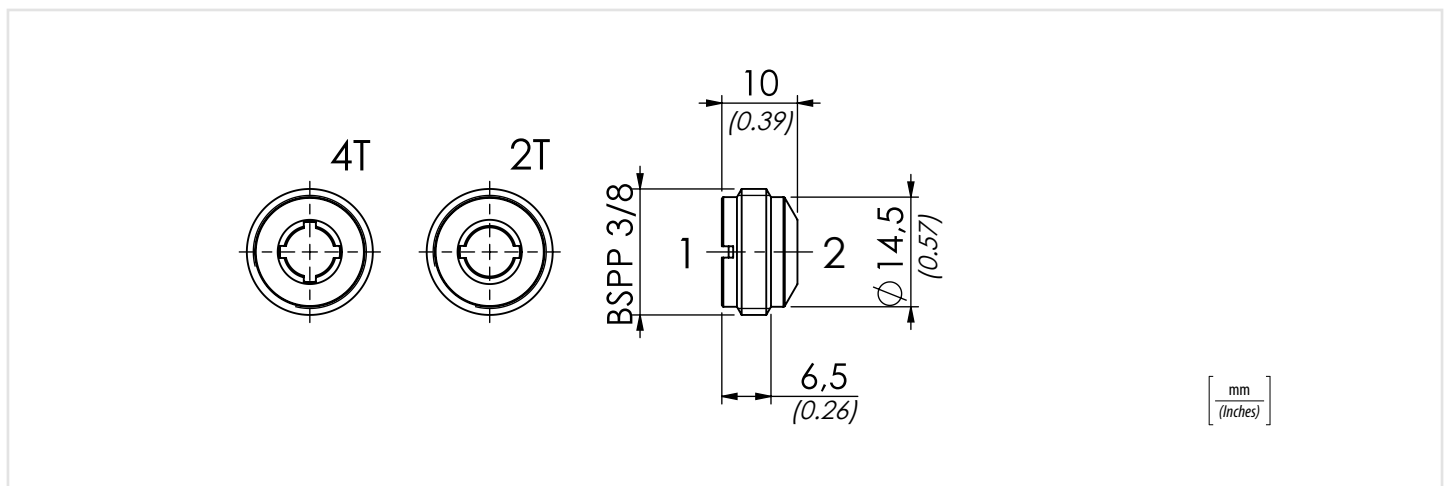
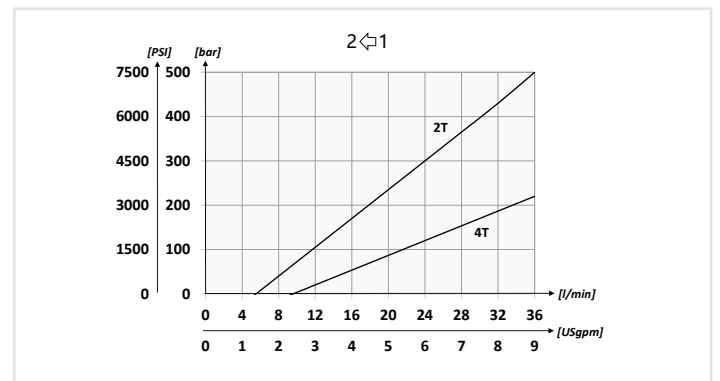
Codice ordinazione Ordering code	01	02	03
	VS	380	

01	Valvole unidirezionali con trafilemento (Check valves with gap)		VS
02	Dimensione (Size)	BSP3/8	380
03	Tagli (Gaps)	2 tagli (2 gaps)	2T
		4 tagli (4 gaps)	4T

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	ISO 4406:1999 Classe 19/17/14	
Max contamination index with filter		
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

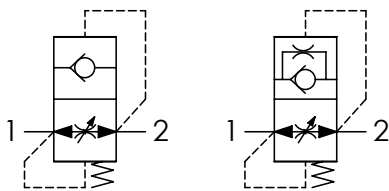


Caratteristiche tecniche - Technical characteristics

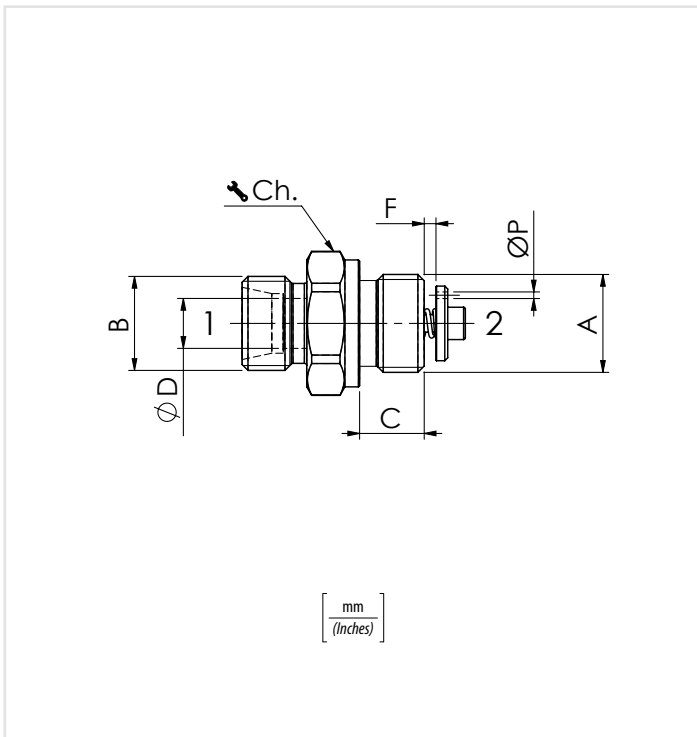
Codice Code	Portata max (l/min) Max flow (USgpm)	Pressione max (bar) Max pressure (PSI)	Coppia di serraggio (Nm) Tightening torque (bt in)	Peso approssimativo (kg) Approx weight (lb)
VS380	35 (9.2)	500 (7250)	6 (4.5)	0,01 (0.022)



Schema idraulico - Hydraulic circuit



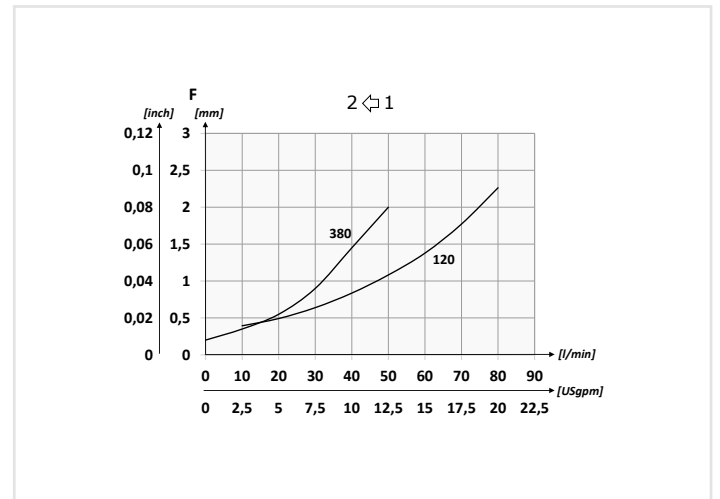
Con foro (With orifice)



Codice ordinazione Ordering code	01	02	03	04	05
	VUBA				

01	Valvole di sicurezza per tubazioni DIN (DIN hose burst valves)	VUBA	
02	Dimensione (Size)	BSPP3/8	380
		BSPP1/2	120
03	Dimensione (Size)	Tubo Ø 10 (For Ø 10 pipe)	T10
		Tubo Ø 12 (For Ø 12 pipe)	T12
		Tubo Ø 15 (For Ø 15 pipe)	T15
04	Regolazione (Setting)	Esempio: regolazione 0,7 mm (Example: setting 0.7 mm) F 0,7	F_..
		Omettere se non richiesto (Omit if not required)	
05	Foro sul piattello (Orifice on flat poppet)	Esempio: foro 1,5 mm (Example: hole 1,5 mm) P 1,5	P_..
		Omettere se non richiesto (Omit if not required)	

Regolazione "F" - Setting "F"



Dati tecnici - Technical data

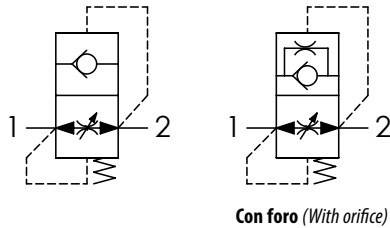
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient 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 Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	Ch.	Coppia max di serraggio raccordo (Nm) Max fitting tightening torque (lbt in)	Coppia max di serraggio tubo (Nm) Max tightening torque for hose (lbt in)	Peso approssimativo Approx weight kg/lb
VUBA380T10	BSPP3/8	50 (13.2)	315 (4568)	M16 x 1,5	11 (0.43)	10 (0.39)	22	70 (50)	20 (15)	0,044 (0.097)
VUBA380T12				M18 x 1,5		12 (0.47)	22		40 (30)	
VUBA380T15				M22 x 1,5	15 (0.59)	24	70 (50)		0,060 (0.13)	
VUBA120T15	BSPP1/2	80 (21.1)			13 (0.51)	15 (0.59)	27	85 (65)	70 (50)	0,077 (0.17)



Schema idraulico - Hydraulic circuit



Codice ordinazione
Ordering code

01	02	03	04
VUBA			

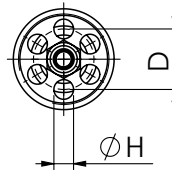
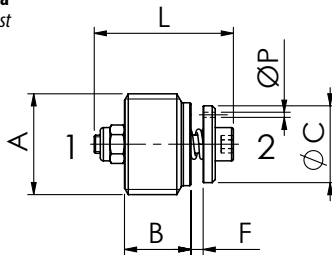
01	Valvole di sicurezza per tubazioni (Hose burst valves)	VUBA
02	Dimensione (Size)	BSPP1/4 140
		BSPP3/8 380
		BSPP1/2 120
		BSPP3/4 340
		BSPP1 100
03	Regolazione (Setting)	Esempio: regolazione 0,7 mm (Example: setting 0.7 mm) F 0,7
		Omettere se non richiesto (Omit if not required)
04	Foro sul piattello (Orifice on flat poppet)	Esempio: foro 1,5 mm (Example: hole 1.5 mm) P 1,5
		Omettere se non richiesto (Omit if not required)

Regolazione F a richiesta

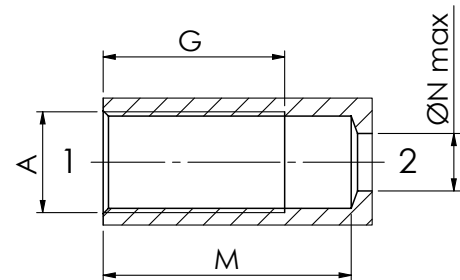
F setting on request

Foro su piattello a richiesta

Orifice on flat poppet on request

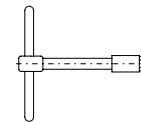


Cavità (Cavity)



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	ISO 4406:1999 Classe 19/17/14	
Max contamination index with filter		
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	0,25 cm ³ /min - 5 gocce/min	
Max leakage	0,015 in ³ /min - 5 drops/min	



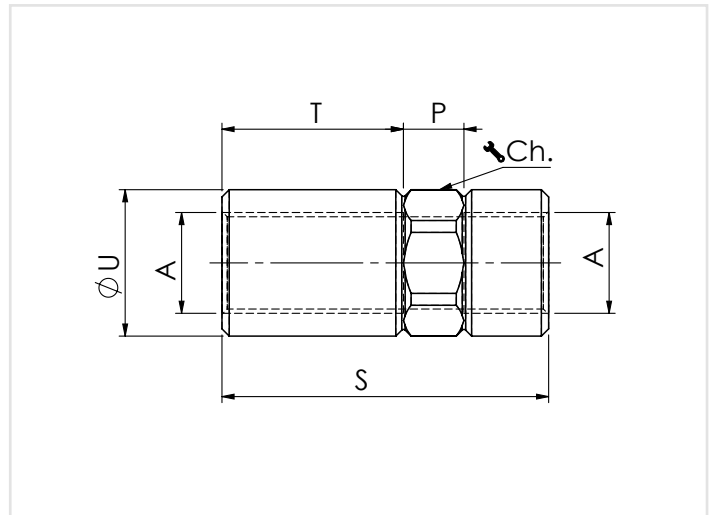
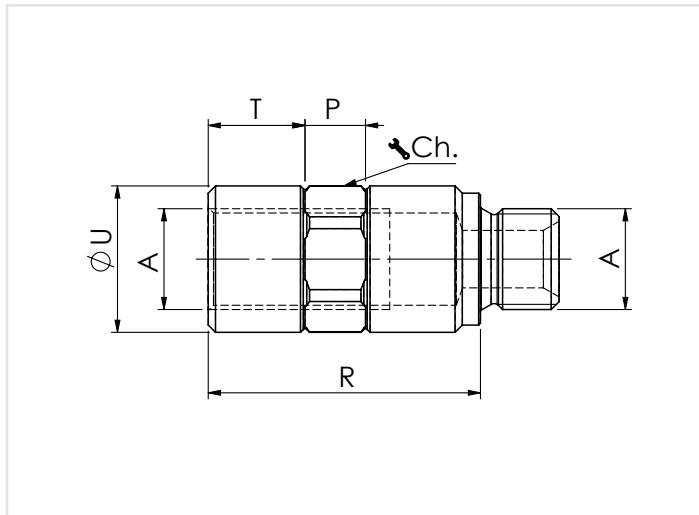
Chiave - Tool

Dimensione/Dimensions

Codice chiave Tool's code	Codice Code	Peso/Weight kg/lb
61700001	VUBA140	0,12 (0.27)
61700002	VUBA380	0,13 (0.29)
61700003	VUBA120	0,15 (0.33)
61700004	VUBA340	0,18 (0.40)

Caratteristiche tecniche - Technical characteristics

Codice Code	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	G	H	L	M	N	Coppia di serraggio Tightening torque Nm/lb ft	Peso approssimativo Approx weight kg/lb
VUBA140	BSPP1/4	25 (6.6)	350 (5075)	8,2 (0.32)	10,4 (0.41)	8 (0.31)	25 (0.98)	2,5 (0.10)	19 (0.75)	35 (1.38)	7 (0.28)	2 (1.5)	0,008 (0.017)
VUBA380	BSPP3/8	50 (13.2)		11 (0.43)	12,7 (0.50)	10 (0.39)	30 (1.18)	3,25 (0.13)	23 (0.90)	41 (1.61)	9,5 (0.37)	3 (2.5)	0,014 (0.030)
VUBA120	BSPP1/2	80 (21.1)		13 (0.51)	15 (0.59)	11,5 (0.45)	33 (1.30)	4 (0.16)	29 (1.14)	46 (1.81)	12 (0.47)	4 (3)	0,025 (0.055)
VUBA340	BSPP3/4	150 (39.6)		18 (0.71)	18 (0.71)	14,5 (0.57)	42 (1.65)	5,2 (0.20)	34 (1.34)	55 (2.17)	16 (0.63)	10 (7.5)	0,054 (0.12)
VUBA100	BSPP1	180 (47.5)		20 (0.79)	26 (1.02)	19 (0.75)	48 (1.89)	7 (0.28)	40 (1.57)	63 (2.48)	22 (0.87)	12 (9)	0,1 (0.22)



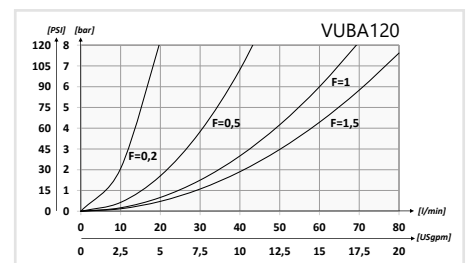
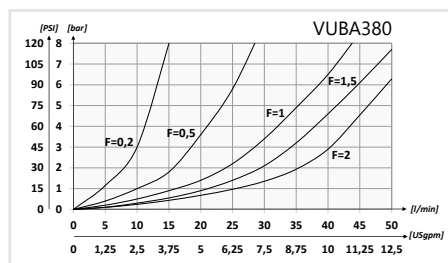
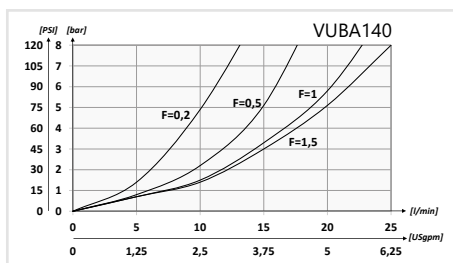
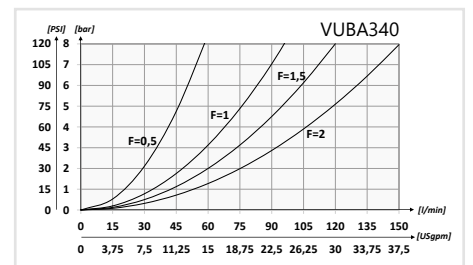
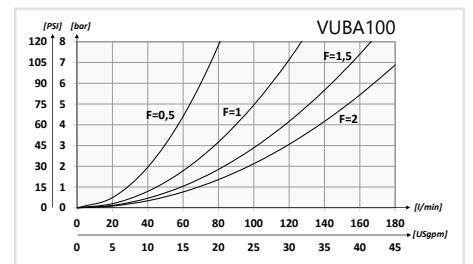
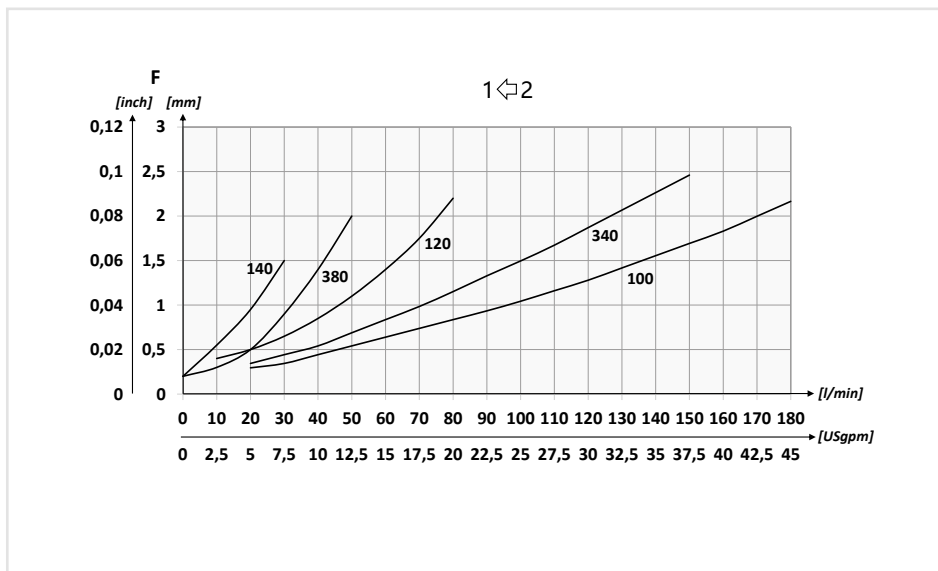
Colonneta - Housings M/F

Codice Code	A	R	P	T	U	Ch.	Peso approssimativo Approx weight kg/lb
61100087	BSPP1/4	39 (1.53)	10 (0.39)	13 (0.51)	20.5 (0.80)	19	0.07 (0.16)
61100088	BSPP3/8	45 (1.77)	10 (0.39)	16 (0.63)	24.5 (0.96)	22	0.10 (0.22)
61100089	BSPP1/2	52 (2.05)	10 (0.39)	19 (0.75)	29.5 (1.16)	27	0.17 (0.37)
61100090	BSPP3/4	61 (2.40)	12 (0.47)	23 (0.90)	35.5 (1.32)	32	0.26 (0.57)
61100091	BSPP1	67 (2.63)	15 (0.59)	25.5 (1)	44.5 (1.75)	41	0.4 (0.88)

Colonneta - Housings F/F

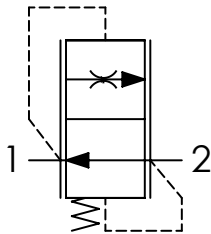
Codice Code	A	S	P	T	U	Ch.	Peso approssimativo Approx weight kg/lb
61100092	BSPP1/4	39 (1.53)	10 (0.39)	13 (0.51)	20.5 (0.80)	19	0.09 (0.20)
61100093	BSPP3/8	54 (2.13)	10 (0.39)	30 (1.18)	24.5 (0.96)	22	0.11 (0.24)
61100094	BSPP1/2	73 (2.87)	10 (0.39)	46.5 (1.83)	29.5 (1.16)	27	0.20 (0.44)
61100095	BSPP3/4	74 (2.91)	12 (0.47)	44 (1.73)	35.5 (1.32)	32	0.27 (0.59)

Regolazione "F" - Setting "F"





Schema idraulico - Hydraulic circuit



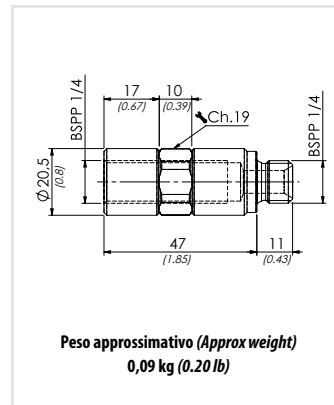
Dati tecnici - Technical data

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)		

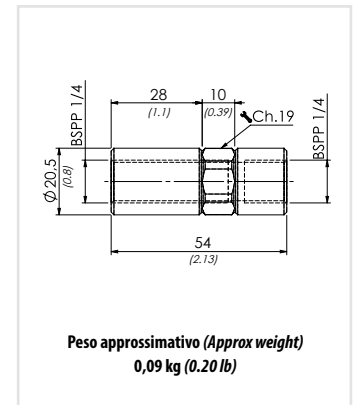
Codice ordinazione Ordering code	01	02
	VCC140	

01	Valvole controllo discesa fisse compensate (Fixed flow control valves - pressure compensated)		VCC140
02	Portata controllata a 100 bar ± 10% (Controlled flow at 100 bar ± 10%)	1 l/min (0.26 USgpm)	1
		2 l/min (0.53 USgpm)	2
		3 l/min (0.79 USgpm)	3
		4 l/min (1.06 USgpm)	4
		5 l/min (1.32 USgpm)	5
		6 l/min (1.58 USgpm)	6
		7 l/min (1.85 USgpm)	7
		8 l/min (2.11 USgpm)	8
		9 l/min (2.38 USgpm)	9
		10 l/min (2.64 USgpm)	10
		11 l/min (2.90 USgpm)	11
		12 l/min (3.17 USgpm)	12

Codice - Code
61100160

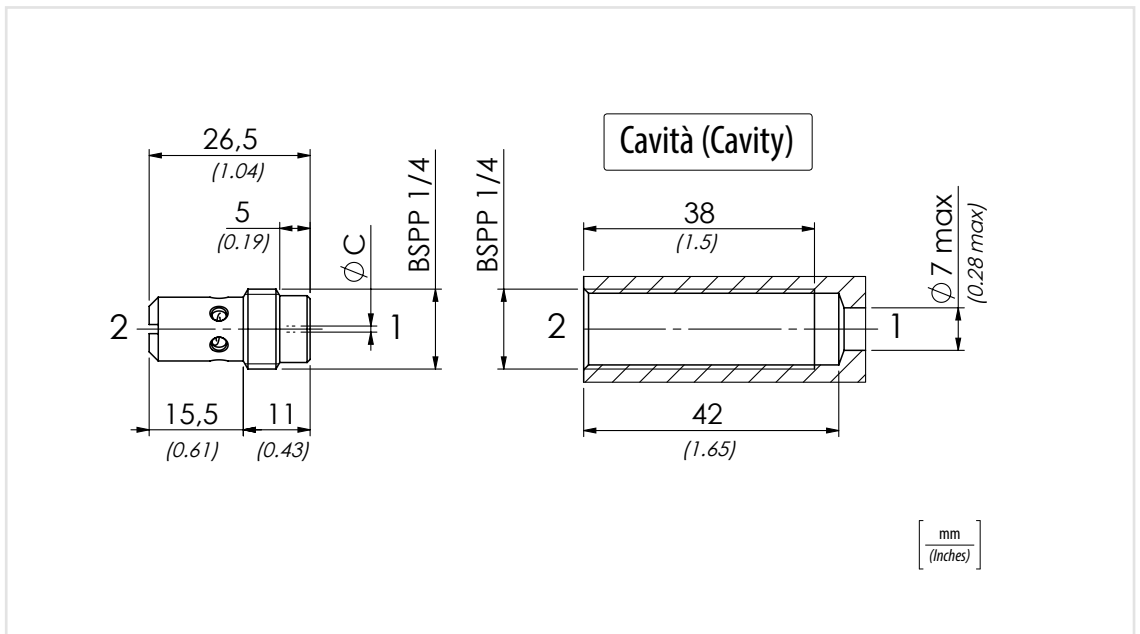


Codice - Code
61100159



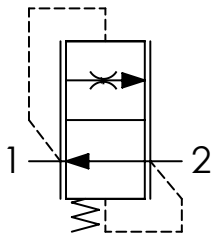
Codice Code	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	Coppia di serraggio Tightening torque Nm/lbf ft	Peso approssimativo Approx weight kg/lb
VCC140	12 (3.2)	250 (3625)	4 (3)	0,014 (0.031)

Codice (Code)	Ø C
VCC1401	1 (0.04)
VCC1402	1,2 (0.05)
VCC1403	1,5 (0.06)
VCC1404	1,7 (0.07)
VCC1405	1,9 (0.07)
VCC1406	2,1 (0.08)
VCC1407	2,3 (0.09)
VCC1408	2,4 (0.09)
VCC1409	2,7 (0.11)
VCC14010	2,8 (0.11)
VCC14011	3,1 (0.12)
VCC14012	3,3 (0.13)





Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

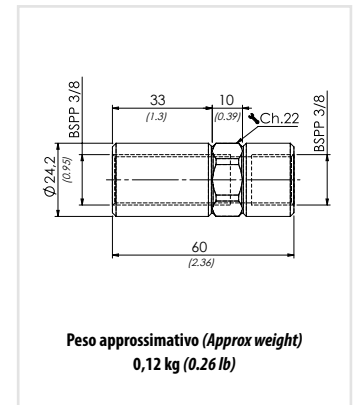
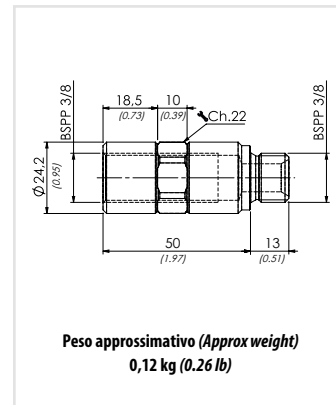
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio/Oil temperature	-20°C +80°C -4°F + 176°F
Temperatura ambiente/Ambient 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
	VCC380	

01	Valvole controllo discesa fisse compensate (Fixed flow control valves - pressure compensated)	VCC380
02	Portata controllata a 100 bar ± 10% (Controlled flow at 100 bar ± 10%)	1 l/min (0.26 USgpm) 1
		2 l/min (0.53 USgpm) 2
		3 l/min (0.79 USgpm) 3
		4 l/min (1.06 USgpm) 4
		5 l/min (1.32 USgpm) 5
		6 l/min (1.58 USgpm) 6
		7 l/min (1.89 USgpm) 7
		8 l/min (2.11 USgpm) 8
		9 l/min (2.38 USgpm) 9
		10 l/min (2.64 USgpm) 10
		11 l/min (2.90 USgpm) 11
		12 l/min (3.17 USgpm) 12
		16 l/min (4.22 USgpm) 16
		18 l/min (4.75 USgpm) 18

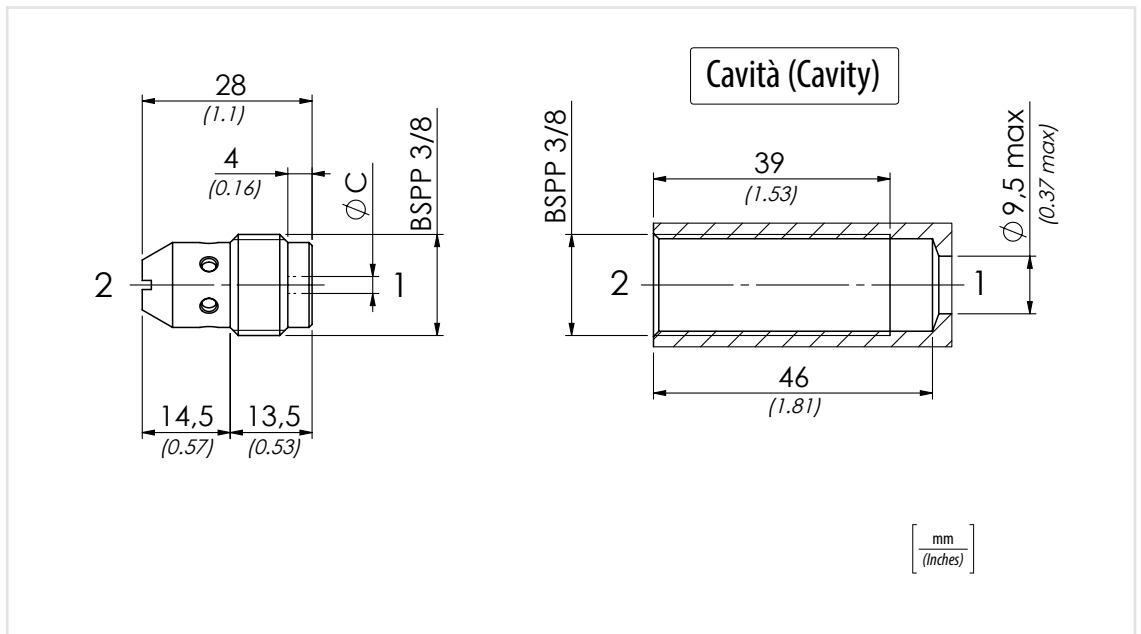
Codice - Code
61100162

Codice - Code
61100161



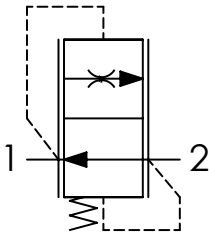
Codice Code	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	Coppia di serraggio Tightening torque Nm/lbf ft	Peso approssimativo Approx weight kg/lb
VCC380	18 (4.8)	250 (3625)	6 (4.5)	0,024 (0.053)

Codice (Code)	ØC
VCC3801	0,6 (0.02)
VCC3802	1,4 (0.06)
VCC3803	1,7 (0.07)
VCC3804	2 (0.08)
VCC3805	2,3 (0.09)
VCC3806	2,6 (0.10)
VCC3807	2,8 (0.11)
VCC3808	3,1 (0.12)
VCC3809	3,3 (0.13)
VCC38010	3,5 (0.14)
VCC38011	3,7 (0.15)
VCC38012	4 (0.16)
VCC38016	5 (0.12)
VCC38018	5,5 (0.22)





Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

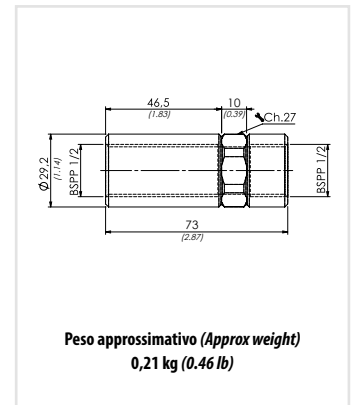
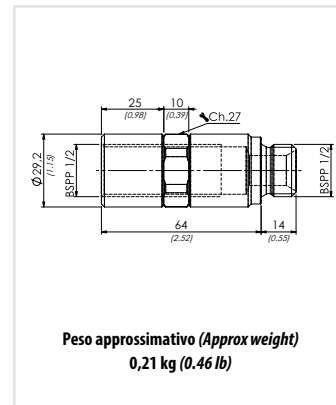
Olío idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient 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)		

Codice ordinazione Ordering code	01	02
	VSC120	

01	Valvole controllo discesa fisse compensate (Fixed flow control valves - pressure compensated)		VSC120
02	Portata controllata a 100 bar ± 10% (Controlled flow at 100 bar ± 10%)	9 l/min (2.38 USgpm)	9
		12 l/min (3.17 USgpm)	12
		17 l/min (4.49 USgpm)	17
		21 l/min (5.54 USgpm)	21
		27 l/min (7.1 USgpm)	27
		32 l/min (8.45 USgpm)	32
		40 l/min (10.56 USgpm)	40
		47 l/min (12.4 USgpm)	47

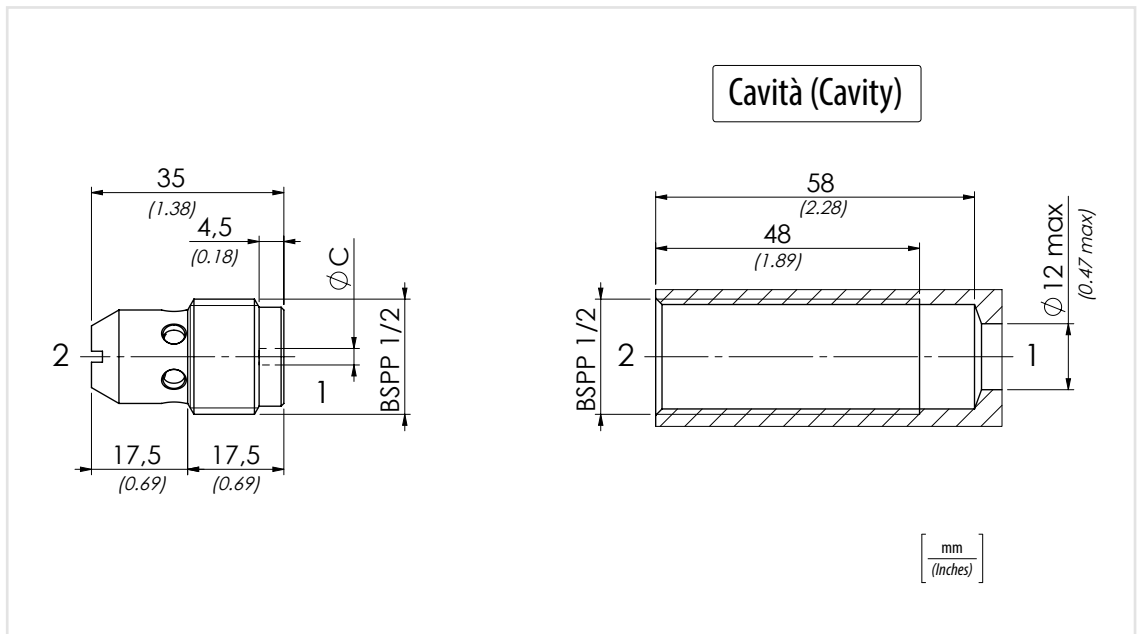
Codice - Code
61100033

Codice - Code
61100094



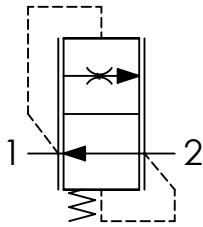
Codice Code	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	Coppia di serraggio Tightening torque Nm/lbf.ft	Peso approssimativo Approx weight kg/lb
VSC120	47 (12.4)	250 (3625)	10 (7.5)	0,050 (0.11)

Codice (Code)	Ø C
VSC1209	2,5 (0.10)
VSC12012	3 (0.12)
VSC12017	3,5 (0.14)
VSC12021	4 (0.16)
VSC12027	4,5 (0.18)
VSC12032	5 (0.20)
VSC12040	5,5 (0.22)
VSC12047	6 (0.24)



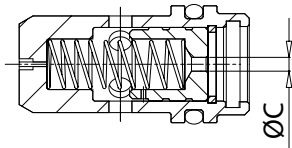


Schema idraulico - Hydraulic circuit



Dati tecnici - Technical data

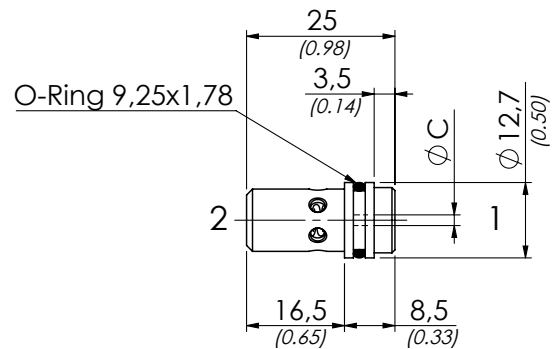
Olio idraulico/Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio/Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio/Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente/Ambient 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 Code	Ø C
VSCR61	0,5 (0.02)
VSCR62	1 (0.04)
VSCR63	1,25 (0.05)
VSCR64	1,4 (0.06)
VSCR65	1,75 (0.07)
VSCR66	1,8 (0.07)
VSCR67	2 (0.08)
VSCR68	2,1 (0.08)
VSCR69	2,3 (0.09)
VSCR610	2,4 (0.09)
VSCR611	2,6 (0.10)
VSCR612	2,75 (0.11)

Codice ordinazione Ordering code	01	02
	VSCR6	

01	Valvole controllo discesa fisse compensate (Fixed flow control valves - pressure compensated)	VSCR6
	1 l/min (0.26 USgpm)	1
	2 l/min (0.53 USgpm)	2
	3 l/min (0.79 USgpm)	3
	4 l/min (1.06 USgpm)	4
	5 l/min (1.32 USgpm)	5
02	Portata controllata a 100 bar ± 10% (Controlled flow at 100 bar ± 10%)	6 l/min (1.58 USgpm)
		7 l/min (1.85 USgpm)
		8 l/min (2.11 USgpm)
		9 l/min (2.38 USgpm)
		10 l/min (2.64 USgpm)
		11 l/min (2.90 USgpm)
		12 l/min (3.17 USgpm)

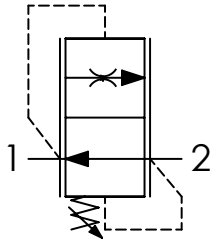


[mm / Inches]

Codice Code	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	Peso approssimativo Approx weight kg/lb
VSCR6	12 (3.20)	250 (3625)	0,012 (0.026)



Schema idraulico - Hydraulic circuit

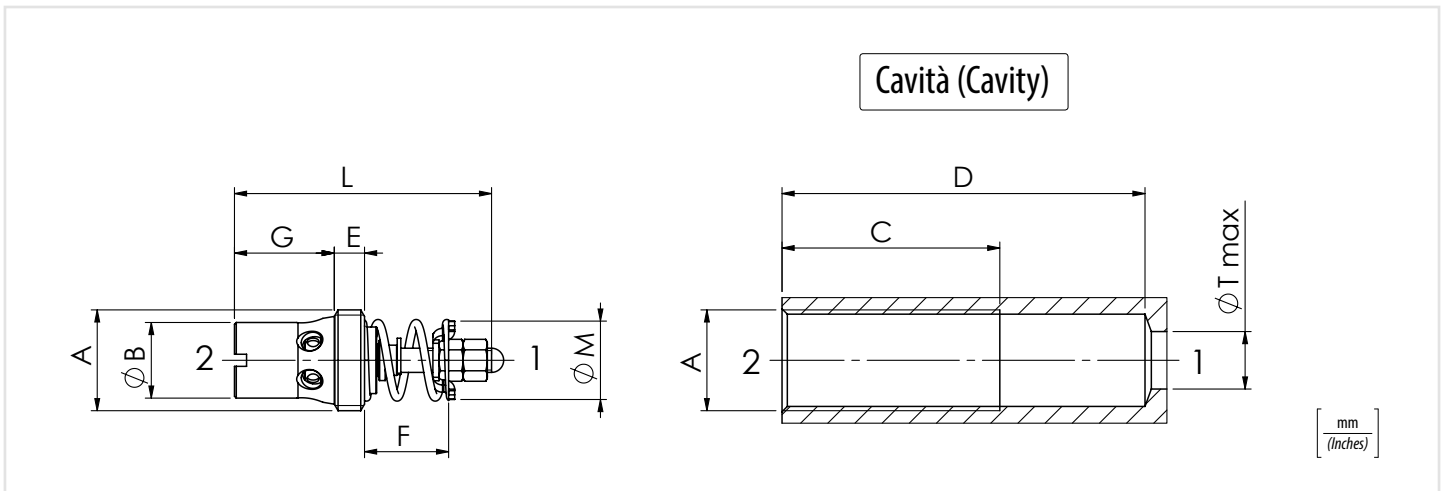


01	02	03	04
VRD			

01	Valvole controllo discesa regolabili compensate (Adjustable flow control valves - pressure compensated)							VRD
02	Dimensione (Size)	BSP1/4						140
		BSP3/8						380
		BSP1/2						120
		BSP3/4						340
03	Flusso controllato a 50 bar (Controlled flow at 50 bar)	I/min-USgpm						
		A B C D E F						
		2/3,2 (0.5/0.8)	2,9/5,8 (0.8/1.5)	4,5/7,6 (1.2/2.0)	5,5/10,5 (1.5/2.8)	8/13,5 (2.1/3.6)	12/21 (3.2/5.5)	VRD140
		4/7,5 (1.1/2.0)	7/9,7 (1.8/2.6)	7,8/14 (2.1/3.7)	13/18 (3.4/4.8)	18/26 (4.8/6.9)	25/37 (6.6/9.8)	VRD380
		14/21 (3.7/5.5)	21,5/30 (5.7/7.9)	29,5/39 (7.8/10.3)	40/49 (10.6/12.9)	52,5/66 (13.9/17.4)	-	VRD120
	38/51 (10.0/13.5)	44/64 (11.6/16.9)	64/90 (16.9/23.8)	70/110 (18.5/29.0)	105/150 (27.7/39.6)	-	VRD340	
04	Regolazione (Setting)	Esempio: regolazione 15 mm (Example: setting 15 mm) F 15						F 15
		Omesso se non richiesto (Omitted if not required)						F

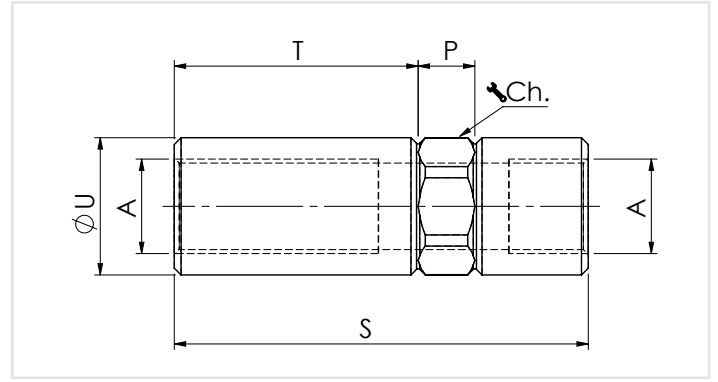
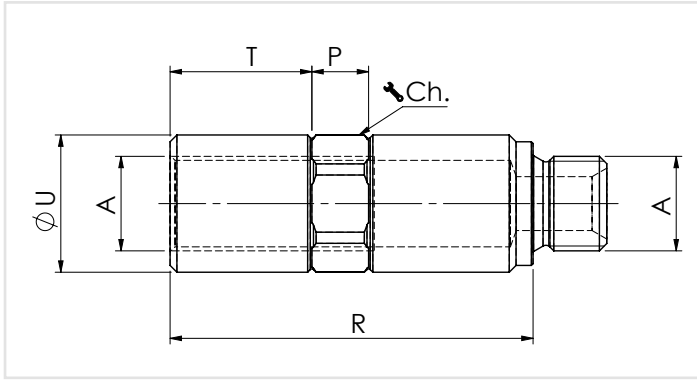
Dati tecnici - Technical data

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

Codice Code	A	Portata max Max flow l/min-USgpm	Pressione max Max pressure bar/PSI	B	C	D	E	T	G	L	M	R	S	Peso approssimativo Approx weight kg/lb	Coppia di serraggio Tightening Torque Nm/lbf ft
VRD140	BSPP1/4	20 (5.3)	300 (4350)	10 (0.39)	33 (1.30)	53 (2.09)	6 (0.24)	7 (0.28)	13,5 (0.53)	39 (1.54)	10 (0.39)	57 (2.24)	66 (2.60)	0,013 (0.029)	6 (4.5)
VRD380	BSPP3/8	35 (9.2)		12,5 (0.49)	36 (1.42)	60 (2.63)	5 (0.20)	9.5 (0.37)	15,5 (0.61)	45 (1.77)	14 (0.55)	64 (2.52)	73 (2.87)	0,024 (0.053)	8 (6)
VRD120	BSPP1/2	65 (17.2)		16 (0.63)	39 (1.54)	63 (2.48)	7 (0.28)	12 (0.47)	16 (0.63)	51 (2.01)	18 (0.71)	69 (2.72)	81 (3.19)	0,037 (0.082)	12 (9)
VRD340	BSPP3/4	150 (39.6)		20 (0.79)	50 (1.97)	81 (3.19)	10 (0.39)	16 (0.63)	21 (0.83)	62 (2.44)	23 (0.91)	87 (3.43)	99 (3.90)	0,079 (0.18)	15 (11.25)



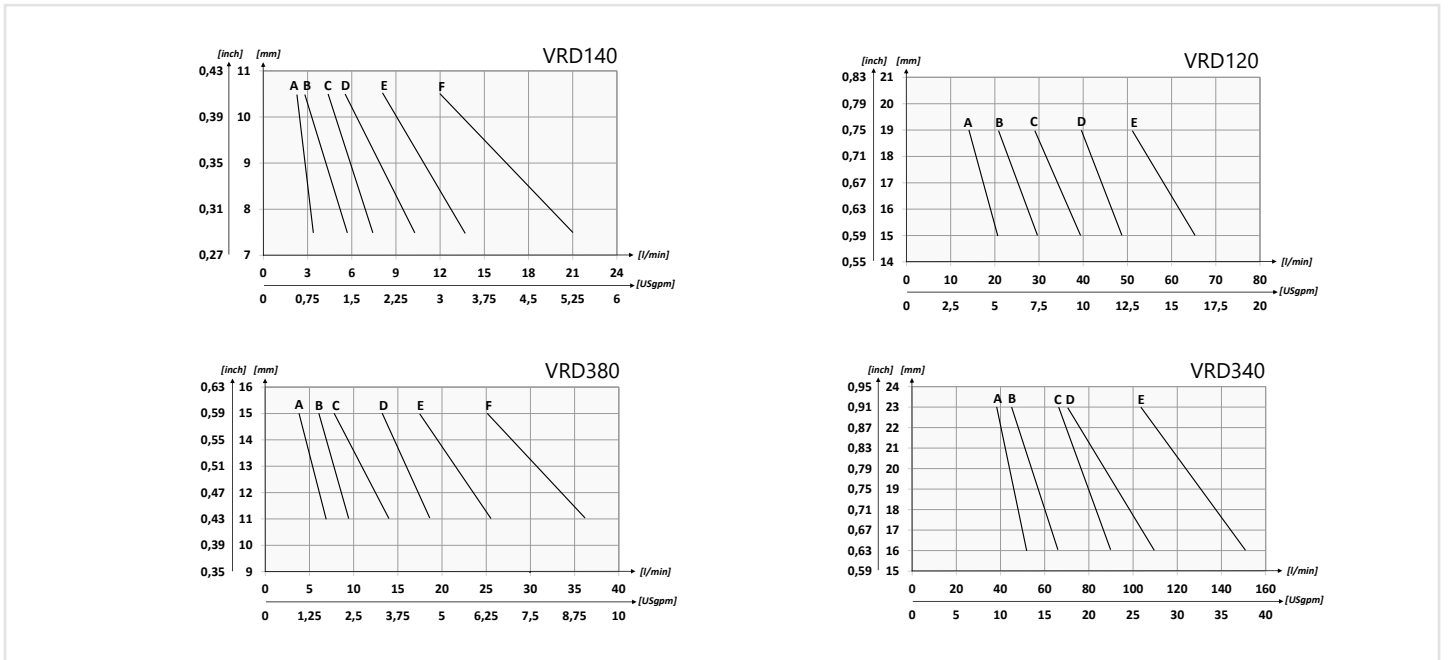
Colonneta - Housing M/F

Codice Code	A	R	P	T	U	Ch.	Peso approssimativo (kg) Approx weight (lb)
61100057	BSPP1/4	57 (2.24)	10 (0.39)	22 (087)	20.5 (0.81)	19	0.11 (0.16)
61100058	BSPP3/8	64 (2.52)	10 (0.39)	25 (0.98)	24.5 (0.96)	22	0.14 (0.20)
61100059	BSPP1/2	69 (2.71)	10 (0.39)	28 (1.10)	29.5 (1.16)	27	0.24 (0.30)
61100060	BSPP3/4	87 (3.42)	12 (0.47)	36 (1.42)	35.5 (1.40)	32	0.34 (0.48)

Colonneta - Housing F/F

Codice Code	A	S	P	T	U	Ch.	Peso approssimativo (kg) Approx weight (lb)
61100051	BSPP1/4	66 (2.60)	10 (0.39)	38 (1.50)	20.5 (0.81)	19	0.11 (0.16)
61100052	BSPP3/8	73 (2.87)	10 (0.39)	43 (1.69)	24.5 (0.96)	22	0.12 (0.20)
61100053	BSPP1/2	81 (3.19)	10 (0.39)	50.5 (1.99)	29.5 (1.16)	27	0.20 (0.33)
61100054	BSPP3/4	99 (3.90)	12 (0.47)	57 (2.24)	35.5 (1.40)	32	0.29 (0.50)

Regolazione - Setting



Performances

