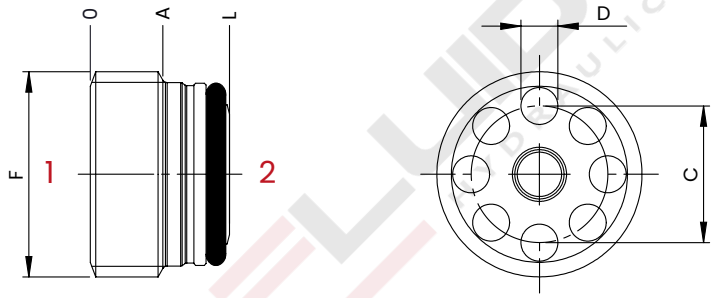
CHECK VALVES POPPET TYPE

The VUC check valve allow the free flow through in a direction while the flow is blocked in the opposite one. It is suitable for integrated circuits mounted on hydraulic blocks. The unidirectional check valve is useful where the design requires small size valve. The external seal is ensured by an o-ring.

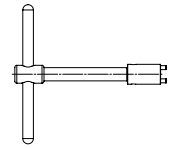


HYDRAULIC CIRCUIT



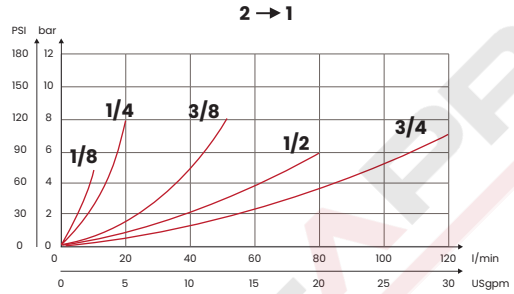


OPTIONAL TOOL



CODE	TYPE
CHI08	VUC0B
CHI09	VUC1B
CHI10	VUC2B
CHI11	VUC3B
CHI12	VUC4B

PERFORMANCES



TECHNICAL CHARACTERISTICS

mm [Inches]

F	L	A	C	D
1/8 BSPP	7,5 [0,29]	3,5 [0,13]	5,6 [0,22]	1,6 [0,06]
1/4 BSPP	8,5 [0,33]	4,4 [0,17]	8,4 [0,33]	2,2 [0,08]
3/8 BSPP	11,3 [0,44]	6 [0,23]	11,1 [0,43]	3 [0,12]
1/2 BSPP	12,7 [0,5]	6,5 [0,25]	13,5 [0,53]	3,8 [0,15]
3/4 BSPP	14,8 [0,58]	7,6 [0,3]	16,5 [0,65]	5 [0,19]

ORDERING CODE

CODE	TYPE	CAVITY CODE	F ports	MAX FLOW l/min [USgpm]	MAX PRESSURE bar [PSI]	TIGHTENING TORQUE Nm [lbt ft]	CRACKING PRESSURE bar [PSI]	WEIGHT kg [lb]
FA3035	VUC0B	FC119	1/8 BSPP	10 [2,65]	350 [5075]	6 [4,4]	0,5 [7,3]	0,002 [0,004]
FA3036	VUC1B	FC111	1/4 BSPP	20 [5,3]		15 [11]		0,005 [0,011]
FA3037	VUC2B	FC112	3/8 BSPP	50 [13,19]		30 [22]		0,011 [0,024]
FA3038	VUC3B	FC113	1/2 BSPP	80 [21,11]				0,019 [0,042]
FA3039	VUC4B	FC114	3/4 BSPP	120 [31,66]		50 [37]		0,040 [0,088]

See cavity paragraph p. 382

UPDATE. Nov. 2024 (v.06)

Mineral oil: DIN 51524 ISO 6743/4 | **Oil viscosity**: 15 to 250 cSt 15-250 mm2/s | **Oil temperature**: -4°F + 176°F -20°C +80°C | **Ambient temperature**: -4°F + 122°F -20°C +50°C | **Max contamination index with filter**: 5 to 250 cSt 15-250 mm2/s | It is necessary a filter use to protect the valve (advised filtration 15 µm) | **Max leakage**: 0,25 cm3/min - 5 drops/min

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