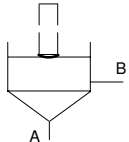
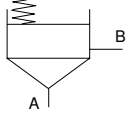
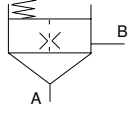
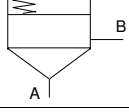
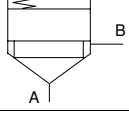
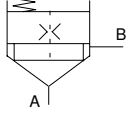
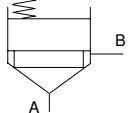
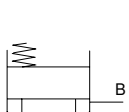
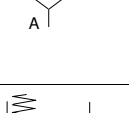
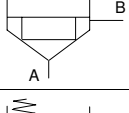


Functional Symbols - Inserts

Insert type	Function	Functional symbol	Area ratio $A_A : A_{AP}$	Sizes/ Insert model	Cracking pressure bar (psi)	
					A to B	B to A
1:0.25 area ratio	C025		1:0.25	Sizes 16-40: CVI-**-C025-4*	N/A – No spring used	
Relief, standard	D10		1:1	CVI-16-D10-M-4* CVI-25-D10-H-4* CVI-32-D10-H-4* CVI-40-D10-C-4*	1,55 (22.5) 3,1 (45) 3,1 (45) 2,35 (34)	– – – –
Relief with orifice	C10F		1:1	CVI-16-C10F-M-4* CVI-25-C10F-H-4* CVI-32-C10F-H-4* CVI-40-C10F-C-4*	1,55 (22.5) 3,1 (45) 3,1 (45) 2,35 (34)	– – – –
Directional	D10		1:1	Sizes 16-40: CVI-**-D10-L-4* CVI-**-D10-M-4* CVI-**-D10-H-4*	0,31 (4.5) 1,55 (22.5) 3,1 (45)	– – –
Directional	D105		1:1.05	Sizes 16-40: CVI-**-D105-L-4* CVI-**-D105-M-4* CVI-**-D105-H-4*	0,33 (4.8) 1,65 (24) 3,3 (48)	▲ ▲ ▲
Directional with orifice	D105V		1:1.05	Sizes 16-40: CVI-**-D105V-L-4* CVI-**-D105V-M-4* CVI-**-D105V-H-4*	0,33 (4.8) 1,65 (24) 3,3 (48)	▲ ▲ ▲
Directional	D11		1:1.1	Sizes 50 & 63: CVI-**-D11-L-1* CVI-**-D11-M-1* CVI-**-D11-H-1*	0,3 (4) 1,4 (20) 2,7 (39)	▲ ▲ ▲
Directional	D16		1:1.6	Sizes 16-40: CVI-**-D16-L-4* CVI-**-D16-M-4* CVI-**-D16-H-4* Sizes 80 & 100: CVI-**-D16-L-1* CVI-**-D16-M-1* CVI-**-D16-H-1*	0,5 (7.3) 2,5 (36.3) 5,0 (73) 0,3 (4.4) 1,0 (14.5) 2,0 (29)	0,83 (12) 4,17 (60) 8,3 (120) 0,48 (7) 1,6 (23.2) 3,2 (46.6)
Directional	D20		1:2	Sizes 16-63: CVI-**-D20-L-1* CVI-**-D20-M-1* CVI-**-D20-H-1*	0,5 (7.3) 2,5 (36.3) 5,0 (73)	0,5 (7.3) 2,5 (36.3) 5,0 (73)
Direct check	DC16		1:1.6	Sizes 16-40: CVI-**-DC16-L-4* CVI-**-DC16-M-4* CVI-**-DC16-H-4*	0,5 (7.3) 2,5 (36.3) 5,0 (73)	0,83 (12) 4,17 (60) 8,3 (120)

▲ D105 and D11 inserts not normally used for flow from "B" to "A".