



Relief Valves Technical Information

Differential Area

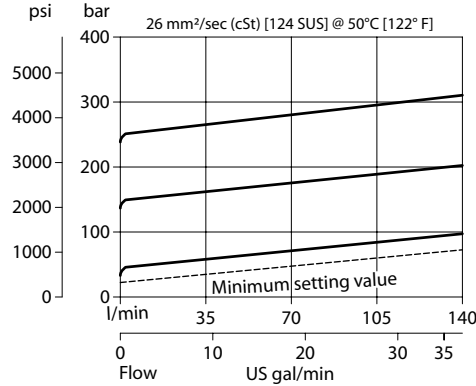
VSB 12-CN

OPERATION

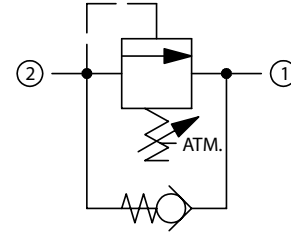
This is a direct-acting, differential area, atmospherically-vented, poppet-type relief valve that relieves from 2 to 1 with an integral free-flow check from 1 to 2.

SPECIFICATIONS

Theoretical performance



Schematic



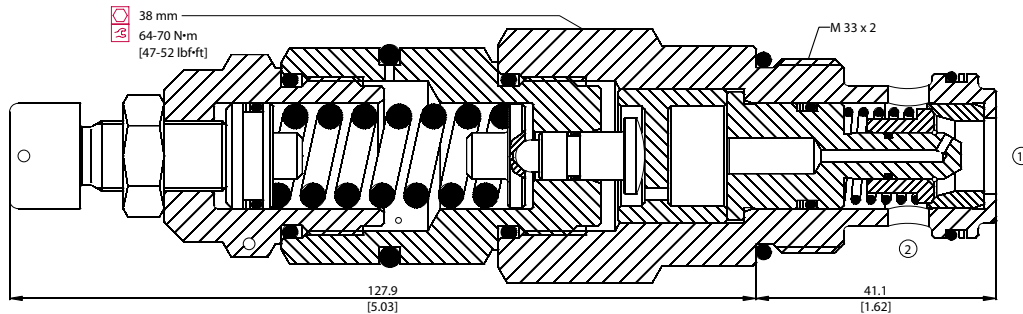
Specifications

Rated pressure	350 bar [5075 psi]
Rated flow	140 l/min [37 US gal/min]
Weight	0.75 kg [1.65 lb]
Cavity	NCS12/2

DIMENSIONS

mm [in]

Cross-sectional view



ORDERING INFORMATION

VSB 12-CN - 1 - 00 - V - XXX

Setting range	Seals	Seal Kit
1 = 25 - 170 bar [363 - 2466 psi]	V = Viton	230000470
2 = 70 - 270 bar [1015 - 3916 psi]	Omit = Buna-N	230000120
3 = 105 - 350 bar [1523 - 5076 psi]	Housing and ports	Housing P/N
	00 = No Housing	No Housing
	DG1/2 = AL, 1/2 BSP	NCS12/2-DG-1/2
	DG3/4 = AL, 3/4 BSP	NCS12/2-DG-3/4
	DG8S = AL, #8 SAE	NCS12/2-DG-8S
	DG12S = AL, #12 SAE	NCS12/2-DG-12S
	Other housings available	

To order this valve with a specific factory setting, contact your Danfoss ICS representative