



# Relief Valves Technical Information

## Differential Area

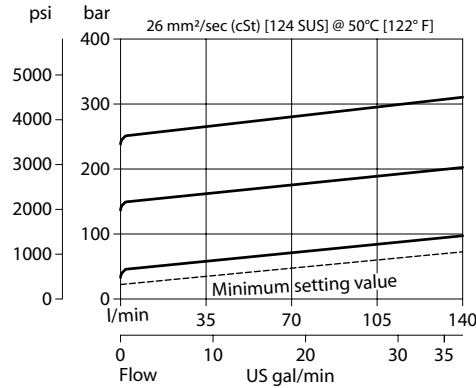
### VSB 12-EN

#### OPERATION

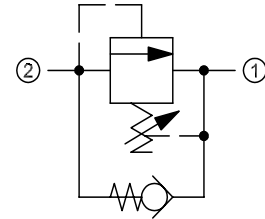
This is a direct-acting, differential area, poppet-type relief valve that relieves from 2 to 1 with an integral free-flow check from 1 to 2.

#### SPECIFICATIONS

##### Theoretical performance



##### Schematic

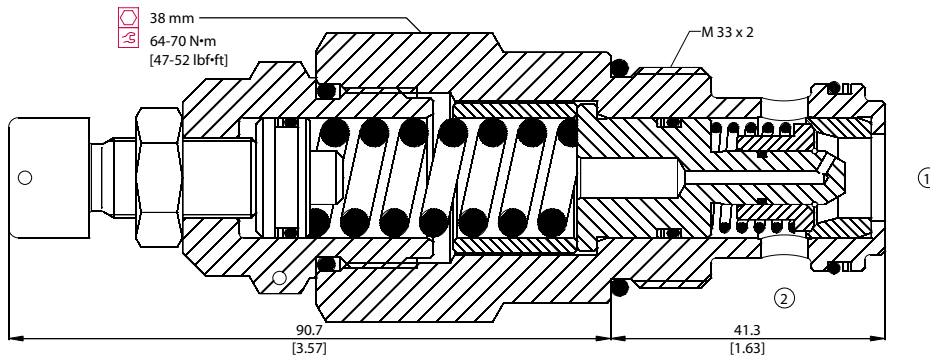


##### Specifications

<b>Rated pressure</b>	350 bar [5075 psi]
<b>Rated flow</b>	140 l/min [37 US gal/min]
<b>Weight</b>	0.60 kg [1.32 lb]
<b>Cavity</b>	NCS12/2

#### DIMENSIONS

##### Cross-sectional view



#### ORDERING INFORMATION

##### VSB 12-EN - 1 - 00 - V - XXX

	<b>Seals</b>	<b>Seal Kit</b>
	V = Viton	230000470
	Omit = Buna-N	230000120
	<b>Housing and ports</b>	<b>Housing P/N</b>
	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	
<b>Setting range</b>		
1 = 25 - 170 bar [363 - 2466 psi]		
2 = 70 - 270 bar [1015 - 3916 psi]		
3 = 105 - 350 bar [1523 - 5076 psi]		