



# Relief Valves Technical Information

## Differential Area

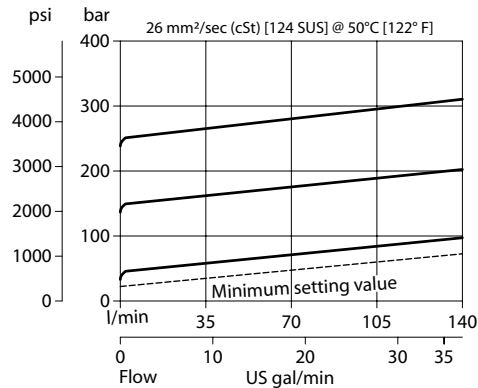
### VSB 12-CN

## OPERATION

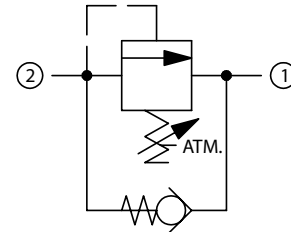
This is a direct-acting, differential area, atmospherically-vented, poppet-type relief valve that relieves from 2 to 1 with an integral free-flow check from 1 to 2.

## SPECIFICATIONS

### Theoretical performance



### Schematic



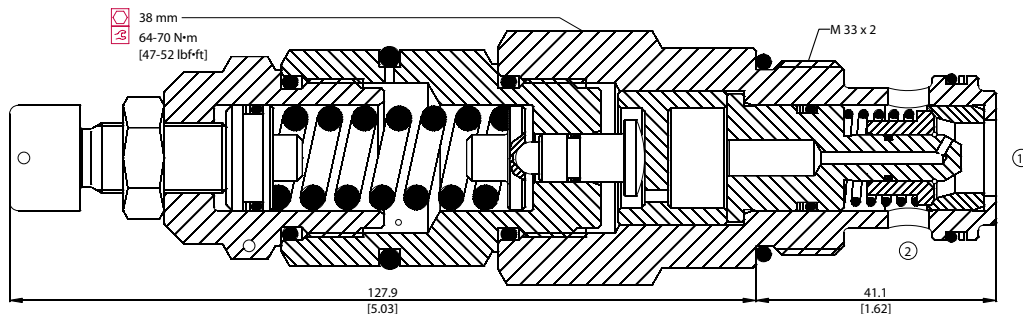
### Specifications

|                |                           |
|----------------|---------------------------|
| 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

- 1 = 25 - 170 bar [363 - 2466 psi]
- 2 = 70 - 270 bar [1015 - 3916 psi]
- 3 = 105 - 350 bar [1523 - 5076 psi]

Seals  
V = Viton  
Omit = Buna-N

Seal Kit  
230000470  
230000120

Housing and ports  
00 = No Housing  
DG1/2 = AL, 1/2 BSP  
DG3/4 = AL, 3/4 BSP  
DG8S = AL, #8 SAE  
DG12S = AL, #12 SAE  
Other housings available

Housing P/N  
No Housing  
NCS12/2-DG-1/2  
NCS12/2-DG-3/4  
NCS12/2-DG-8S  
NCS12/2-DG-12S

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