



# Relief Valves Technical Information

## Differential Area

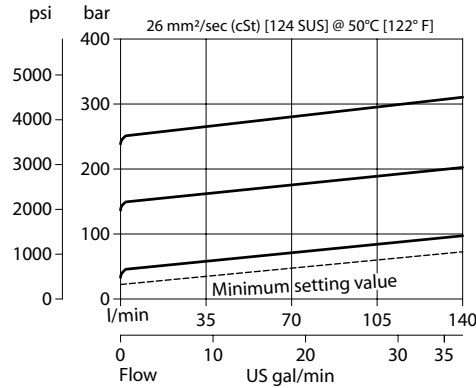
### VS12-EN

## OPERATION

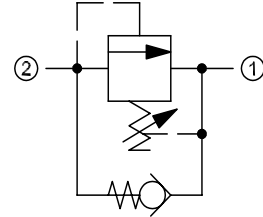
This is a direct-acting, differential area, poppet-type relief valve that relieves from 2 to 1 with an integral free-flow check from 1 to 2.

## SPECIFICATIONS

### Theoretical performance



### Schematic

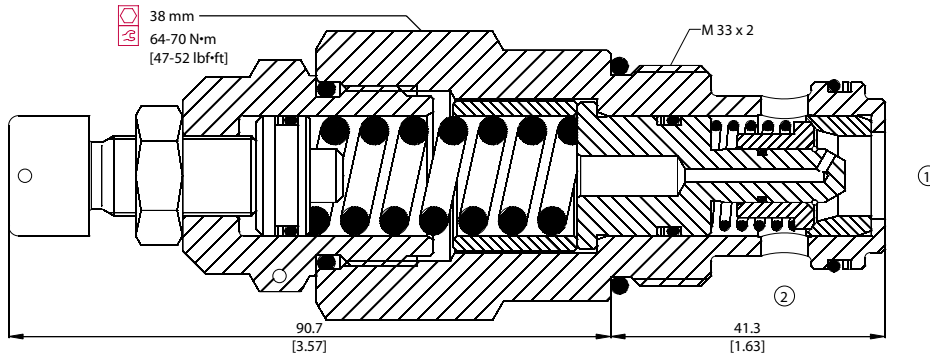


### Specifications

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

## DIMENSIONS

### Cross-sectional view



## ORDERING INFORMATION

### VS12-EN - 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