



# Sequence Valves Technical Information

## Unloading Valve, Differential Area, Pilot Operated

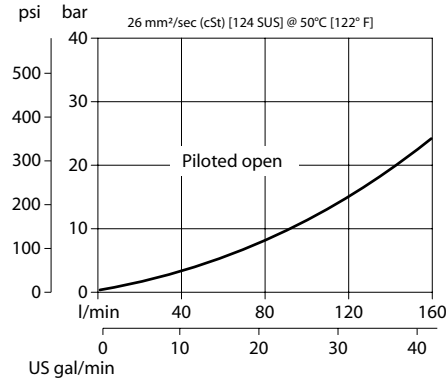
### VDB 12-EN

#### OPERATION

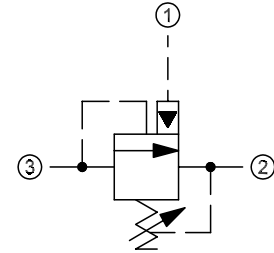
This is a pilot-operated unloading valve.

#### SPECIFICATIONS

#### Theoretical performance



#### Schematic



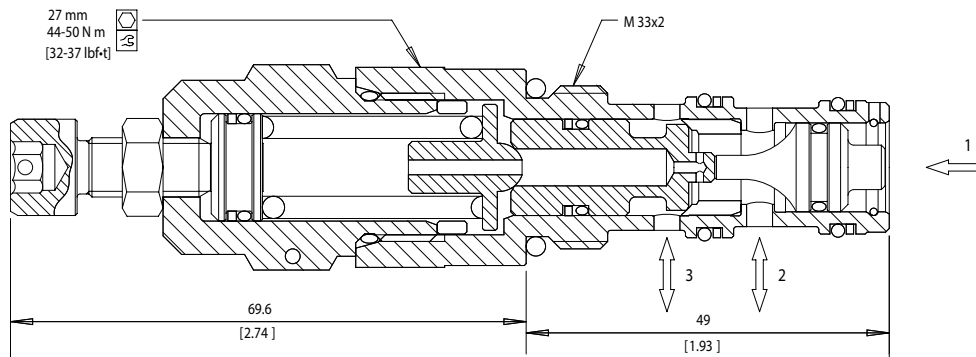
#### Specifications

Rated pressure	350 bar [5075 psi]
Rated flow	160 l/min [42 US gal/min]
Weight	0.70 kg [1.54 lb]
Cavity	NCS12/3

#### DIMENSIONS

mm [in]

#### Cross-sectional view



#### ORDERING INFORMATION

VDB 12-EN - 2 - A - 00 - V

Setting range

Pilot ratio A

- 1 = 25 - 170 bar [363-2466 psi]
- 2 = 70 - 250 bar [1015-3626 psi]
- 3 = 105 - 350 bar [1523-5076 psi]

Pilot ratio B

- 1 = 25 - 120 bar [363-1740 psi]
- 2 = 60 - 200 bar [870-2900 psi]
- 3 = 90 - 280 bar [1305-4061 psi]

Pilot ratio

- A = 6.9 : 1
- B = 4.7 : 1

Seals  
V = Viton  
Omit = Buna-N

Housing and ports  
00 = No Housing  
SE1/2 = AL, 1/2 BSP  
SE3/4 = AL, 3/4 BSP  
SE85 = AL, #8 SAE  
SE125 = AL, #12 SAE  
Other housings available

Seal kit  
230000360  
230000130

Housing P/N  
No Housing  
NCS12/3-SE-1/2  
NCS12/3-SE-3/4  
NCS12/3-SE-85  
NCS12/3-SE-125

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