

Danfoss

350 bar [5000 psi] • 150 l/min [40 US gpm]

This is a normally open, pilot operated pressure reducing valve. Port 2 is open to port 1 until the setting is reached, at which time the valve throttles the outlet flow limiting the pressure. If the outlet pressure rises due to an external force, then the valve will open port 1 to port 3 acting as a relief valve. This valve is ideal for stable and precise control of a secondary pressure within a circuit.

The diagram shows a hydraulic cylinder with two ports, 1 and 2. Port 1 is connected to a check valve that allows flow into the cylinder but prevents backflow. Port 2 is connected to a spring return mechanism, represented by a zigzag line and a dashed arrow pointing away from the cylinder, indicating that the cylinder returns to its original position when port 2 is closed.

Rated pressure	350 bar [5000 psi]
Rated flow	150 l/min [40 US gpm]
Weight	0.40 kg [0.89 lbs]
Cavity	SDC16-3

Flow - L/min (21.8 cSt oil @ 49°C)

Pressure, port 1 - psi

Pressure, port 1 - bar

Flow - USgpm (105 SUS oil @ 120°F)

Port 1 to 3

Port 2 to 1

Code	Ports	Housing Model Code		
		Aluminum standard duty	Aluminum heavy duty	Steel heavy duty
0	No Housing			
6B	3/4" BSP	02-175465	—	—
4G	1/2" BSP	—	876720	02-175131
6G	3/4" BSP	—	876722	02-175132
10H	#10 SAE	—	876721	—
12H	#12 SAE	—	876723	—
10T	#10 SAE	—	—	02-175129
12T	#12 SAE	566152	—	02-175130

Code	Bar	Psi
30	34-210	[500-3000]
Standard Setting	103	[1500]
60	70-350	[1000-5000]
Standard Setting	210	[3000]