Proportional Valves

PPD22A

Proportional Pressure Reducing, Relieving, Direct Acting, Normally Open to Drain

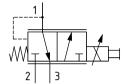


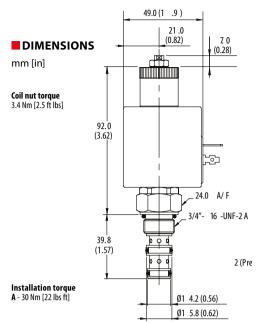
210 bar [3000 psi] • 20 l/min [5.3 US gpm]

■ DESCRIPTION AND OPERATION

This is a direct acting, proportional pressure reducing / relieving valve. In the de-energized condition, the inlet port 2 is blocked, while the reduced pressure in port 1 will be at the minimum setting and open to the tank port 3. By energizing the coil, the pressure in port 1 will increase proportionally to the current applied. Flow through port 2 to 1 is restricted to limit the pressure in port 1. In the case of over pressurization in port 1, the spool will open port 1 to port 3, which acts as a relief valve to limit the pressure in port 1.

SCHEMATIC

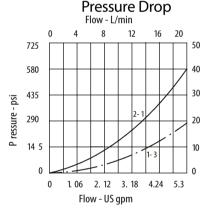


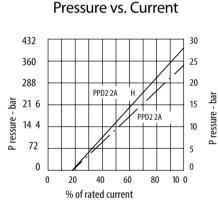


■ PERFORMANCE DATA

PERFORMANCE CURVES

210 bar [3000 psi]
20 l/min [5.3 US gpm]
19W coil: 24 bar [350 psi]
29W coil: 28 bar [405 psi]
50 ml/min @ 210 bar [3000 psi]
200 Hz
19% of max current
C16
0.25 kg [0.55 lb]
A3531





■ MODEL CODE

PPD22A - V - 6 - H - 12 - 3W **Seal Option** Code Seal kit Code Ports **Aluminium** N - Buna-N SK1119 Omit No housing **V** - Viton SK1119V 1/4" BSP 2W A7724 3W 3/8" BSP A6684 3/8" SAE B6516 Manual Override Option * Aluminum bodies are to be used for pressures less than 210 bar [3000 psi]. 6 - Screw Type * Additional housings available **Connector Type** Coil Voltage Omit-No coil Omit - No coil H - DIN 43650 12 - 12 VDC 24 - 24 VDC F - Flying Lead DM - Deutsch moulded