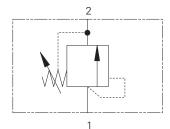
1DR2 - Relief Valve

Poppet, Direct Acting 1,2 L/min (0.3 USgpm) • 400 bar (5800 psi)



Sectional View

Ε

Tank (2) Pressure (1)

Description

This is a direct acting, poppet style screw in cartridge relief valve which is ideally suited for use as a pilot valve or a thermal relief.

Operation

Performance Data

Pressure on the nose of the cartridge acts over the seat area moving the poppet against the spring, allowing relief flow to tank.

Features

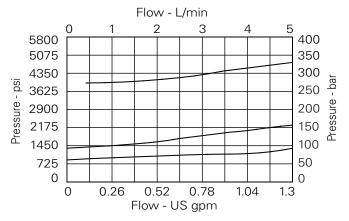
Fast acting, good reseat, ideal for remote operation of larger valves.

Performance data is typical with fluid at 32 cSt (150) SUS)
Typical application pressure	400 bar (5800 psi
Rated flow	1,2 L/min (0.3 USgpm
Cartridge Material	Working parts hardened and ground steel External sufaces zinc plated
Cavity	C-8-2 (see Section M
Standard housing materials	Aluminum (up to 210 bar or Steel (add 377 suffix for steel option
Torque Cartridge into Cavity	45 Nm (33 lbs ft
Temperature range	-30° to 90°C (-22° to 194°F
Fluids	All general purpose hydraulic fluids such as MIL–H–5606, SAE 10, SAE 20, etc
Filtration	Cleanliness Code BS5540-4 18/13 (25 micron nominal
Weight cartridge only	0,14 (0.30
Internal leakage	0.3 ml/min nominal (5 dpm
Nominal Viscocity Range	5 to 500 cS
Seal kits	SK187-02 Buna–N SK187-02V Viton

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Pressure Override Curves

Cartridge only



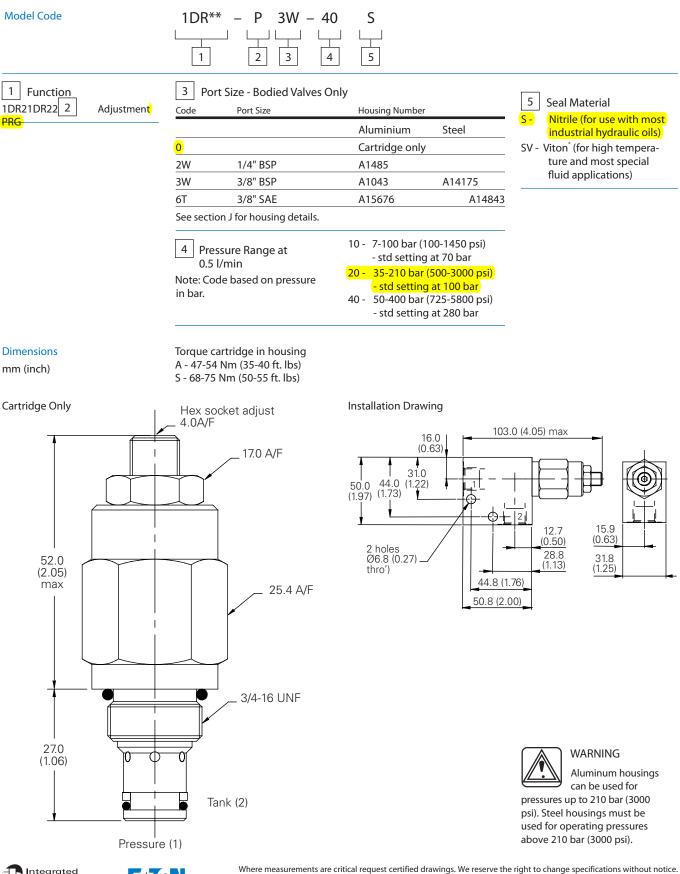


1DR2 - Relief Valve

Poppet, Direct Acting

1,2 L/min (0.3 USgpm) • 400 bar (5800 psi)

1DR2P20S



ntegrated Hydraulics An Eaton Brand

