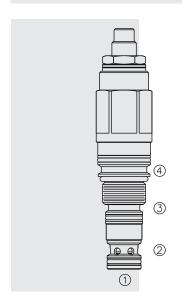
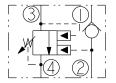
www: e-mail: shop/skle www.salushydraulics.pl pl@salushydraulics.pl www.salushydraulics.pl/sklep/

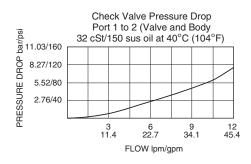
UPCV10-F41 Pressure Unloading Valve



ISO SYMBOL



PERFORMANCE (Cartridge Only)



DESCRIPTION

A screw-in, cartridge-style, internally piloted, pilot unloading valve with an internal check valve with optional fixed reload pressure ratios of 70% and 80% for use in accumulator type hydraulic systems.

OPERATION

In its steady state, the **UPCV10-F41** blocks flow from port 3 to 4 and allows flow from port 1 to 2. On attainment of a pre-determined pressure at ports 2 and 3, the spool shifts to allow free flow from port 3 to 4, unloading the port 3 pilot. If pressure at port 2 drops to a level below the ratio established reload value, the valve will close, blocking flow from ports 3 to 4. The spring chamber is vented to port 4.

FEATURES

- · Internal check valve
- Optional fixed reload pressure ratios.
- Hardened precision spool and cage for long life.
- · Choice of seal options.

RATINGS

Operating Pressure: 207 bar (3000 psi) at ports 1, 2 and 3;

104 bar (1500 psi) at port 4 **Proof Pressure:** 482.6 bar (7000 psi) **Burst Pressure:** 965.3 bar (14000 psi)

Flow Rating: Port 3 to 4: 0.8 to 7.6 lpm (0.2 to 2 gpm) Factory recommendation

1.9 lpm (5.05 gpm); **Port 1 to 2**: 45.4 lpm (12 gpm) **Pressure Setting Range:** 41.4 to 206.8 bar (600 to 3000 psi)

Loading and Unloading Pressure Ratio: ±5%

Temperature: -40 to 100°C (-40° to 212°F) with standard Buna seals;

-26° to 204°C (-15° to 400°F) with fluorocarbon seals; -54 to 107°C (-65 to 225°F) with polyurethane seals; -54 to 107°C (-65 to 225°F) with standard urethane seals

Filtration: See page 9.010.1

Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

Installation: No restrictions; See page 9.020.1

Cavity: HVC10-F4; See page 9.110.1

Cavity Tool: HCT10-F4XX; See page 8.600.1

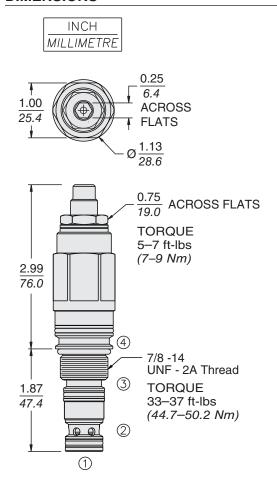
Seal Kit: SK10-F4X-BMM; SK10-F4X-B00 (urethane seals); See page 8.650.1

6.920.1



UPCV10-F41

DIMENSIONS



MATERIALS

Cartridge: Weight: 0.28 kg (0.61 lbs) Steel with hardened work surfaces. Zinc-plated exposed surfaces.

TO ORDER

