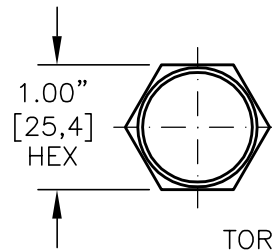
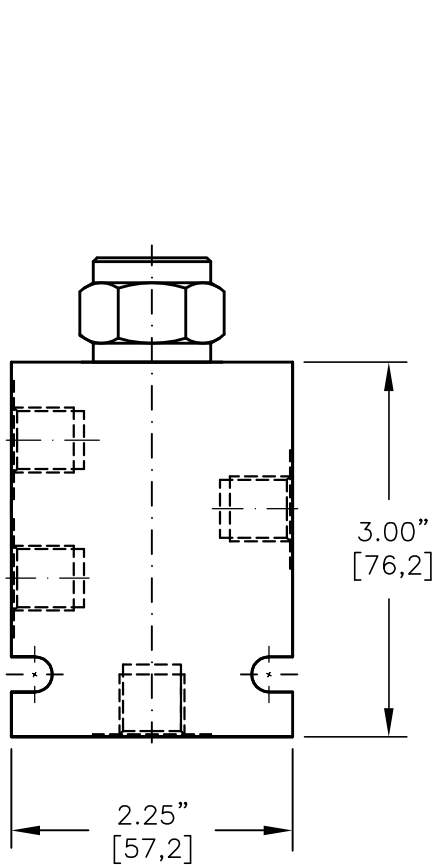
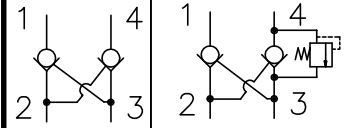
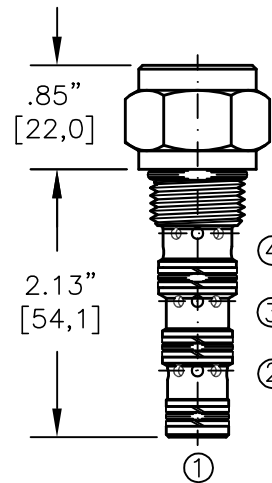


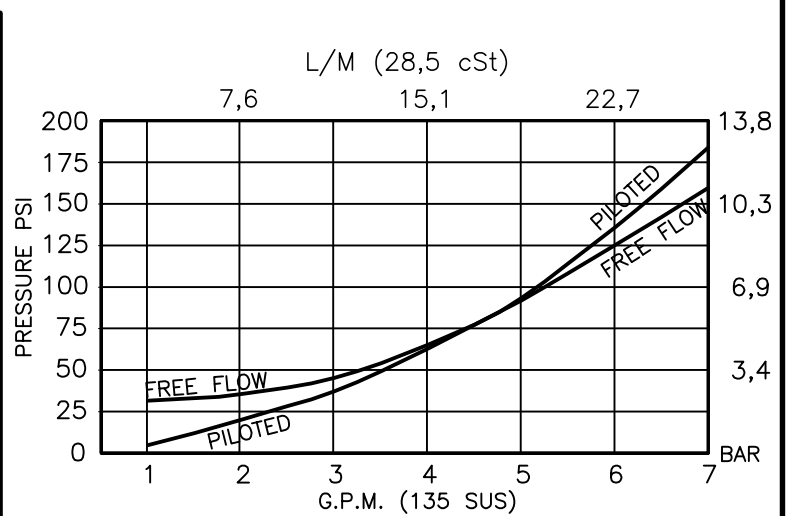
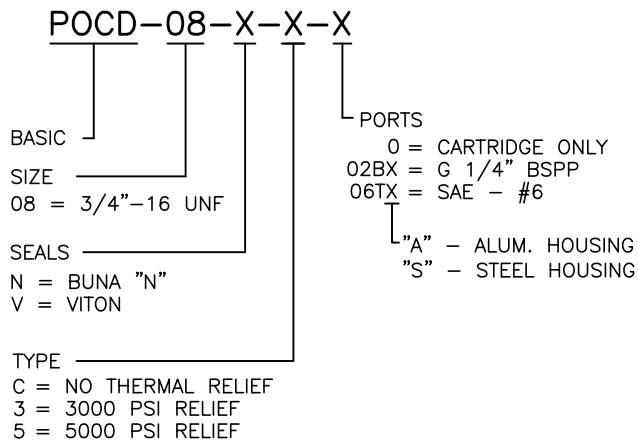
PILOT OPERATED DUAL CHECK VALVE
WITH OPTIONAL THERMAL RELIEF



TORQUE to 35/40 Ft-Lb.
[47/54 N-m].



FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-041.1





PILOT OPERATED DUAL CHECK VALVE WITH OPTIONAL THERMAL RELIEF

DESCRIPTION

This unit is a SCREW IN, cartridge type, guided poppet, hydraulic pilot operated dual check valve, for use as a blocking or load holding device for high pressure applications. Thermal relief option available in one direction.

OPERATIONS

This check valve allows free flow from port 2 to port 1 and from port 3 to port 4. It blocks flow from port 1 to port 2 and from port 4 to port 3 or holds a load. Flow will be allowed from port 1 to port 2 when pilot pressure is applied to port 3 that is higher than one-third of the load pressure at port 1. Flow will be allowed from port 4 to port 3 when pilot pressure is applied to port 2 that is higher than one-third of the load pressure at port 4.

This pilot operated check valve has a 3 to 1 pilot ratio. Port 4 can be equipped with a thermal relief. The relief is set to open when the pressure in port 4 exceeds the relief setting.

FEATURES AND BENEFITS

All external carbon steel parts are plated for longer life against the elements. All cartridge valves are 100% functionally tested. Industry common cavity.

SPECIFICATIONS

OPERATING PRESSURE: 5,000 PSI [350 Bar]

PROOF PRESSURE: 10,000 PSI [700 Bar]

FLOW: 5.0 GPM [19 l/m] nominal. See performance chart.

PILOT RATIO: 3 TO 1

INTERNAL LEAKAGE: 5 drops per minute maximum @ 5,000 PSI [350 Bar]

VALVE HOUSINGS: 2500 PSI [175 Bar] = Aluminum – Anodized.

5000 PSI [350 Bar] = Steel – Unplated.

OPERATING TEMPERATURE: -40° to +250° F. [-40° to +120° C.]

OPERATING MEDIA: All general purpose hydraulic fluids such as MIL-H-5606, SAE-#10, SAE-#20, etc.

INSTALLATION: No restrictions.

SEAL KIT: SKN-0842 Buna "N"

SKV-0842 Viton

WEIGHT: .26 lb. [.12 kg] cartridge only.

VALVE CAVITY: #C0840, See Page 0-041.0.