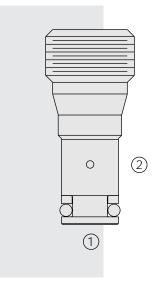
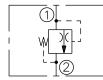
TR04-B20 Thermal Relief Valve



SYMBOLS

USASI/ISO:



DESCRIPTION

A screw-in, cartridge-style, poppet-type, thermal relief valve intended to prevent cylinder damage resulting from temperature induced pressure intensification. This valve is not intended to be used as a dynamic relief valve, or as protection against load-induced pressure spikes.

OPERATION

The **TR04-B20** blocks flow from ① to ② until sufficient pressure is present at ① to force the spring opposed poppet from its seat.

Pressure at port 2 should not, at any time, be more than 500 psi above the pressure at port 1.

FEATURES

- Miniature size.
- Hardened parts for long life.
- Below surface mount.
- Low Leakage.

RATINGS

Maximum Operating Pressure: 414 bar (6000 psi)

Leakage: 1 drop/minute to 90% of crack setting

Reseat Characteristic: 10 drops/minute at 85% of pressure setting

Temperature: -40 to 120°C with Buna N 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

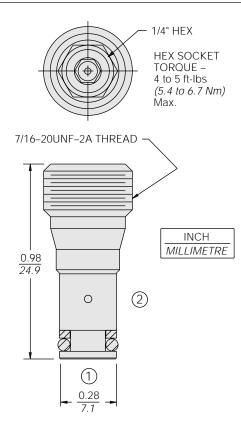
Cavity: VC04-B2; See page 9.104.1

Cavity Tool: CT04-B3xx; See page 8.600.1

Seal Kit: SK04-B2x-B; See page 8.650.1

TR04-B20

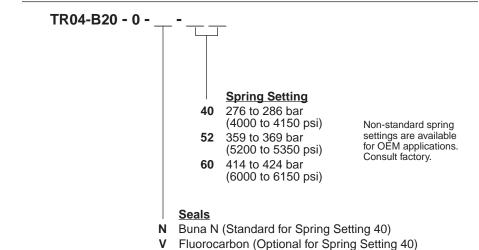
DIMENSIONS



MATERIALS

Cartridge: Weight: 0.05 kg. (0.12 lbs.) Steel with hardened work surfaces. Zinc-plated exposed surfaces. Buna N O-rings and TFE back-ups standard, Polyurethane optional.

TO ORDER



P Polyurethane (Standard for Spring Settings 52 and 60)