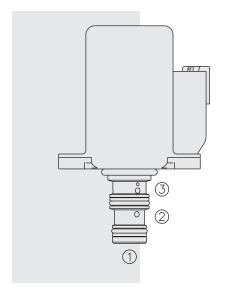
EHPR98-T35 Proportional Reducing/Relieving

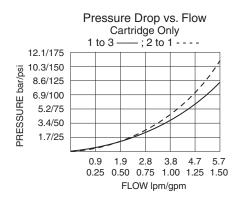


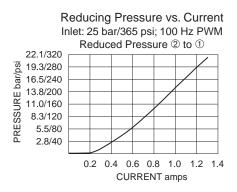
SYMBOLS

USASI/ISO:



PERFORMANCE





DESCRIPTION

A direct-acting, spool-type, drop-in-style, flange-mounted, pressure reducing/relieving valve, which can be infinitely adjusted across a prescribed range using a variable electric input. Pressure output is proportional to DC current input. The Ecoil is an integral part of the valve assembly, and cannot be replaced or field-serviced.

OPERATION

The **EHPR98-T35** allows free flow from ① to ③ when no current is applied to the coil. When the coil is energized, 2 is connected to 1. Increasing current applied to the coil will increase the control (reduced) pressure proportionally. If pressure at ① exceeds the setting induced by the coil, pressure from 1 is relieved to 3.

Note: Back pressure on port 3 becomes additive to the pressure setting at a 1:1 ratio.

FEATURES

- · Economical drop-in style.
- Several push-on termination options.
- 10, 12, 20 or 24 VDC coils.

- Integral waterproof coil standard.
- 1000-hour salt spray protection.

RATINGS

Maximum Inlet Pressure: 103 bar (1500 psi); If higher inlet pressure is required (103 bar/1500 psi to 241 bar/3500 psi) select the "A" option in the model code.

Maximum Tank Pressure: 34.5 bar (500 psi); with Manual Override Option: 17.2 bar (250 psi)

Control Pressure at Maximum Control Current: 20.7 bar (300 psi)

Maximum Control Current: 1.38 amps for 10 VDC coil; 1.30 amps for 12 VDC coil; 0.69 amps for 20 VDC coil; 0.65 amps for 24 VDC coil

Resistance: 4.20 (10V); 5.10 (12V); 17.00 (20V); 19.30 (24V)

Inductance: 80 mH (12V); Hysteresis: Less than 4% with 100 Hz PWM

Flow Rating: 5.7 lpm (1.5 gpm)

Maximum Internal Leakage:

De-energized: 75 ml/minute (4.58 cu. in./minute) at 25 bar (365 psi); 200 ml/minute (12.2 cu. in minute) at 241 bar (3500 psi).

Energized at I-Max.: 125 ml/minute (7.63 cu. in./minute) at 25 bar (365 psi); 400 ml/minute (24.4 cu. in. minute) at 241 bar (3500 psi)

Temperature: -40 to 120°C (-40 to 250°F), with standard Buna N seals

Ambient Air Temperature: -40 to 80°C (-40 to 176°F)

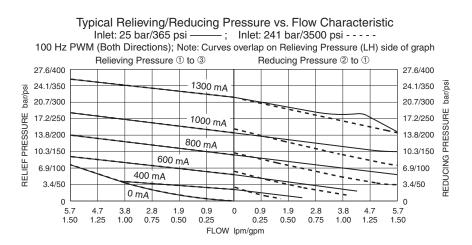
Environmental Rating: IP69K

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: Flange Mount

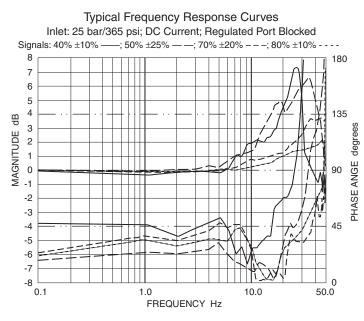
Mounting Screws: M4 x 0.7 x 12 Long; Part No. 4001015 (not provided with valve) Cavity: VC-T009; See page 9.111.1; Cavity Tool: CT-T009R0-x-G; See page 8.600.1 Seal Kit: SKEHPR98-T3X: See page 8.650.1



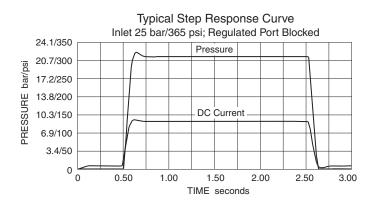
Drop-In-Style Valve

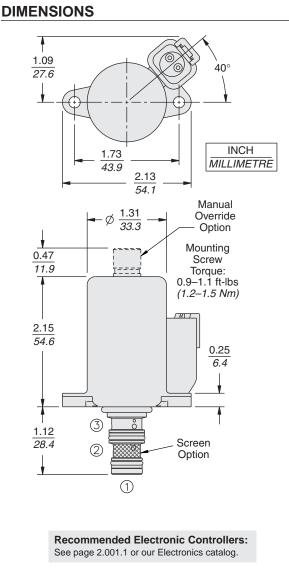
EHPR98-T35

PERFORMANCE (continued)









MATERIALS



