

### 3-Way Hydraulic Relay Valve (3W-HRV)

#### Model 54-M

This 3-Way, single chamber accelerator is hydraulically operated, diaphragm actuated pilot valve that in response to pressure applied to its control chamber, directs flow and pressure between its ports:

- When pressure is applied to its control chamber, it connects port "0" to "2".
- When pressure is released from its control chamber, it connects port "2" to "1".

This pilot can be used to either relay and accelerate a signal (N.O.), or to reverse and accelerate a signal (N.C.).

#### Technical Data

**Pressure rating:** 25 bar (350 psi)

**Minimum operating pressure:** 0.8 bar (12 psi)

**Working temperature:** Water up to 80°C (180°F)

**Flow factor:**

**Closing:** 0 to 2 & 1 to 2: Kv 1.2 (Cv 1.4)

**Opening:** 2 to 1 & 2 to 0: Kv 1.0 (Cv 1.2)

**Standard materials:**

**Body & cover:** Brass

**Elastomers:** NBR

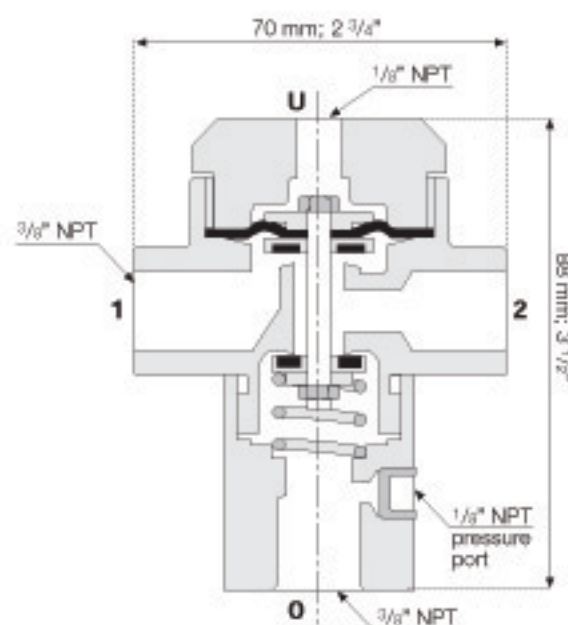
**Internals:** Stainless Steel & Brass

#### Connections:

Port	N.O. *	N.C. **
1	Upstream pressure	Vent
2	Control chamber	Control chamber
0	Vent	Upstream pressure
U	Command	Command

\* With top spring - special order.

\*\* With bottom spring - standard.



Weight: 0.8 Kg; 1.7 lbs.