

3-WAY ACCELERATOR

Model 54

This 3-Way, single chamber accelerator is a hydraulically operated, diaphragm actuated, pilot 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, or to reverse and accelerate a signal.

Technical Data

Pressure Rating: 25 bar; 400 psi

Minimum Operating Pressure: 0.8 bar; 12 psi

Working Temperature: Water up to 60°C; 150°F

Flow Factor:

0 to 2 & 1 to 2: Kv 1.2; Cv 1.4

2 to 1 & 2 to 0: Kv 1.0; Cv 1.2

Standard Materials:

Body & Cover: Brass

Elastomers: NBR

Internals: Stainless Steel & Brass

Optional Materials:

Metal parts: Stainless Steel, Nickel Aluminum Bronze, Hastalloy

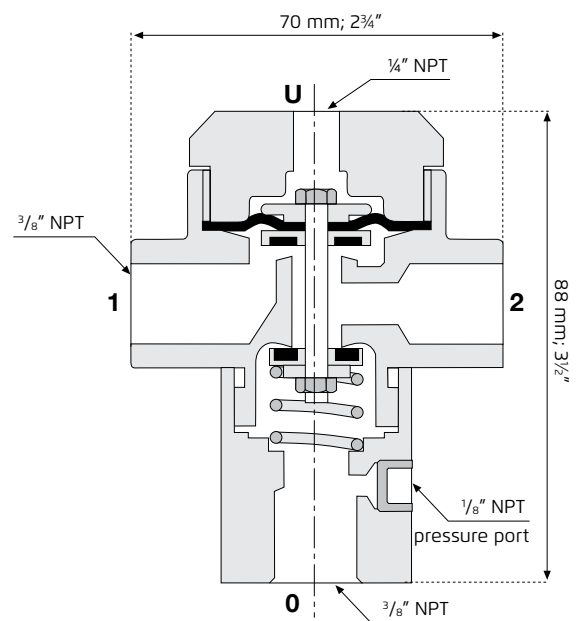
Elastomers: FPM (Viton®)

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.