3-Way Accelerator

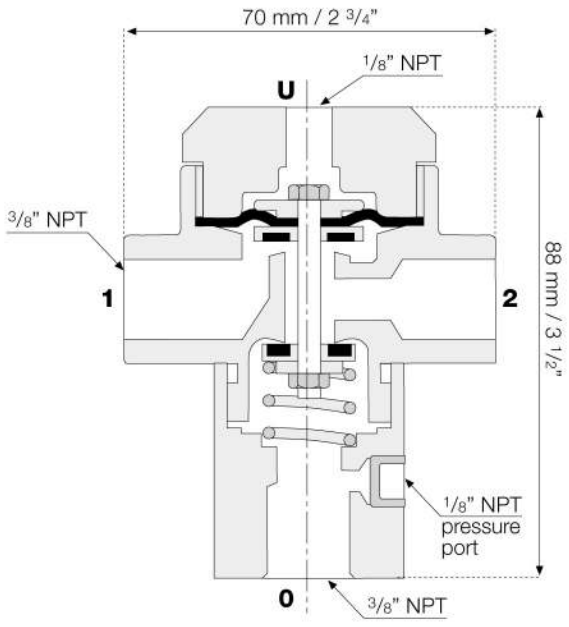
This 3-way, single-chamber, accelerator, is a hydraulically-operated, diaphragm-actuated, pilot that in response to pressure applied to its control chamber directs flow and pressure between its ports:

- 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 (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
Optional materials:
Metal parts: Stainless steel, Nickel aluminum bronze, Hastalloy
Elastomers: FPM (Viton®)



Weight: 0.8 Kg / 1.7 lbs.

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.

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