

3-WAY ACCELERATOR

Model 54

This 3-Way, single chamber accelerator is a hydraulically operated, diaphragm actuated 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 valve can be used to either relay and accelerate a signal, or to reverse and accelerate a signal. It can also be used for selecting between two control modes, or two sources of pressure.



Technical Data

Pressure rating: 25 bar

Minimum Operating Pressure: 0.8 bar

Temperature: Water up to 60°C

Height (H): 88 mm

Width (W): 70 mm

Weight: 0.8 Kg

Flow Factors:

0 to 2 & 1 to 2: Kv 1.2

2 to 1 & 2 to 0: Kv 1.0

Standard materials:

Body & Cover: Brass

Elastomers: NBR

Internals: Stainless Steel & Brass

Optional materials:

Metal Parts: Stainless Steel, Nickel Aluminum Bronze, Hastalloy

Seals: FPM (Viton®)

Connections

Port	Size	Selector*	N.C.**
1	3/8" NPT	Upstream pressure	Vent
2	3/8" NPT	Control chamber	Control chamber
0	3/8" NPT	Vent	Upstream pressure
U	1/4" NPT	Command	Command
P	1/8" NPT	Pressure port	Pressure port

* No spring - special order

** With bottom spring - standard

