

# Masoneilan

a Baker Hughes business

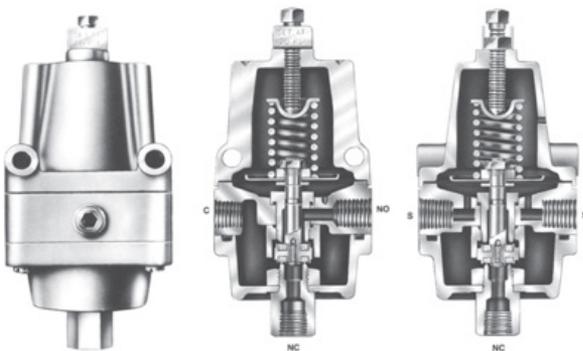
# Masoneilan™ Model 77-8 Three-Way Transfer Valve



## Features

The Model 77-8 three-way transfer valve is used alone or with differential gap controllers, lockup valves, and other equipment in pneumatic control circuits to add flexibility to devices such as valves, load applicators, and instruments.

A pneumatic signal or air supply is piped to a spring-opposed diaphragm, which actuates a double-faced soft seat plug. As long as a pressure exists at one of the signal ports (S) in excess of the set pressure of the unit, the normally open port (NO) is closed and flow through the valve is from the common port (C) to the normally closed port (NC) or from NC to C. When the signal pressure falls below the set valve, the spring closes port NC and opens NO to allow flow from port C to port NO, or from port NO to port C. Signal pressure is sealed off from the valve body by an O-ring.



For use with air-operated valves, load applicators, and instruments.

## Specifications

### Body

- Connections: Screwed - 1/2" NPT
- Materials: Die-cast aluminum
- Rating: 250 psi @ 150°F
- Valve seats: Brass
- Plug assembly: Brass with Buna-N inserts
- O-ring seals: Buna-N

## Diaphragm

- Buna-N, nylon reinforced

## Control Ranges

- 5-40; 5-100 psi

## Gauges

- Available for integral mounting ranges 0-100 or 0-160 psig

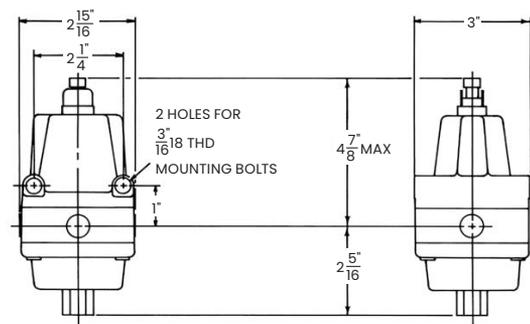
## Performance

Model	Control Range (psi)	Maximum Pressure Change on Diaphragm for Full Stroke (psi)
7-8	5-40	4
77-80	5-100	11

## Capacity

Inlet Pressure (psig)	Flow Direction	Maximum Capacity (SCFH)
25	Port C through Port NC	780
25	Port C through Port NO	1050

## Dimensions



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