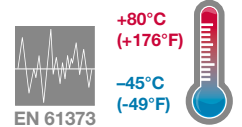


- > Very compact design – 15 mm wide
- > High flow rate
- > Designed and manufactured specifically for each application
- > Wide temperature range
- > Shock vibration tested to EN 61373, Category 1, class A and B



Technical features

Medium:

Compressed air, filtered, lubricated or non-lubricated, neutral liquids or gases

Switching function:

Normally closed and normally open

Operation:

Poppet valve, directly actuated with spring return

Mounting position:

Optional

Available orifice:

0,5 ... 1,1 mm

Operating pressure:

0 ... 10 bar (0 ... 145 psi)

Fluid temperature:

-45 ... +80°C (-49 ... +176°F)

Ambient temperature:

-45 ... +80°C (-49 ... +176°F)

Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Material:

2/2-way:

Body: PPS
Seat seal: FMVQ
Internal parts: Stainless steel, PA 6/6

3/2-way:

Body: PPS, PA, Stainless steel
Seat seal: FMVQ
Internal parts: Stainless steel, PA 6/6

Please note:

Microsol valves are manufactured to order and are designed to specifically to meet the needs of each customer application. Technical features will vary slightly depending upon the application.

Electrical details

Voltage tolerance:	±30%
Voltage:	6 ... 110 V d.c.
Power consumption:	1,5 ... 2 W
Rating:	100% E.D.
Electrical insulation:	1500 V.a.c.
Insulation class:	F (155°C)
Protection class:	IP65

Technical data – 2/2-way direct acting valves

Symbol	Function	Port	Orifice (mm)	Flow (l/min)	Operating pressure *2 (bar)	Manual override	Drawing No.	Model
	NC	Flange	0,5 ... 1,1	up to 48	Application specific	No	1	Please contact IMI Precision Engineering
	NO	Flange	0,5 ... 1,1	up to 48	Application specific	No	2	Please contact IMI Precision Engineering

Technical data – 3/2-way direct acting valves

Symbol	Function	Port	Orifice (mm)	Flow (l/min)	Operating pressure *2 (bar)	Manual override	Drawing No.	Model
	NC	Flange	0,5 ... 1,1	up to 27	Application specific	No	4	Please contact IMI Precision Engineering
	NO	Flange	0,5 ... 1,1	up to 27	Application specific	No	4	Please contact IMI Precision Engineering

