- > Very compact design 15 mm wide
- > High flow rate
- Designed and manufactured specifically for each application
- > Wide temperature range

Technical features

Medium: Compressed air, filtered, lubricated or non-lubricted, neutral liquids or gases Switching function: Normally closed and normally open

Operation: Poppet valve,

directly actuated with spring return **Mounting position:** Optional

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	Flow	Operating pressure *2)	Manual override	Drawing	Model
			(mm)	(^ı /min)	(bar)		No.	
	NC	Flange	0,5 1,1	up to 48	Application specific	No	1	Please contact IMI Precision Engineering
1'		51	05 44	1. 10	A 11 11 17		2	
	NO	Flange	0,5 1,1	up to 48	Application specific	No	2	Please contact IMI Precision Engineering
1'								

Technical data – 3/2-way direct acting valves

Symbol	Function	Port	Orifice	Flow	Operating pressure *2)	Manual override	Drawing	Model
			(mm)	(^I /min)	(bar)		No.	
	NC	Flange	0,5 1,1	up to 27	Application specific	No	4	Please contact IMI Precision Engineering
1 3								
	NO	Flange	0,5 1,1	up to 27	Application specific	No	4	Please contact IMI Precision Engineering



 Shock vibration tested to EN 61373, Category 1, class A and B

Available orifice:

Operating pressure:

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

0,5 ... 1,1 mm



Fluid temperature:

below $+2^{\circ}C$ ($+35^{\circ}F$).

Ambient temperature:

-45 ... +80°C (-49 ... +176°F)

-45 ... +80°C (-49 ... +176°F)

Air supply must be dry enough to

avoid ice formation at temperatures



Material: 2/2-way:

2/2-way: Body: PPS Seat seal: FMVQ Internal parts: Stainless steel, PA 6/6 <u>3/2-way:</u> Body: PPS, PA, Stainless steel Seat seal: FMVQ Internal parts: Stainless steel, PA 6/6

IMI FAS

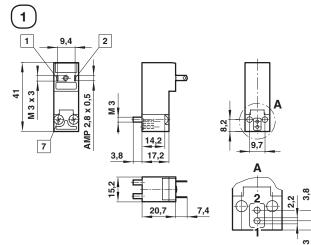
🛃 IMI FAS

Electrical connection

Single connector



Dimensions



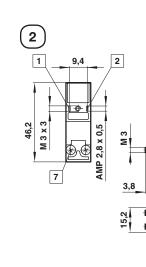
14,2

17.2

20.7

7,4

Δ



14,2

17.2

20.7

7,4





1 Wire (red)/pin +

2 Wire (black)/pin -

3 Manual override 4 For NC models

5 For NO models

6 Mounting pattern

The recommended mounting screw

Δ

tightening torque is 0,6 Nm.

All solenoids are supplied with mounting screws and gasket.



4

4

1

3

7

9.4

2

3,8

5,2

AMP 2.8x0.5

These products are intended for use in industrial compressed air and rail transport systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data**«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult

IMI Precision Engineering, Fluid Automation Systems s.a..

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.