



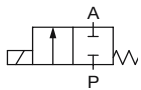
## 2/2- and 3/2-Way Rocker Solenoid Valve

- Direct acting
- Hermetic isolation of fluid from the actuator
- 0 ... 10 bar
- Orifice 2 or 3 mm
- Manual override as standard

The 6608 analytical solenoid valve combines all state of the art features in a compact design.

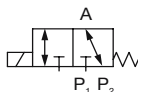
With high reliability, virtually no heat transfer between fluid and coil, low internal volume and Burkert's expertise in supplying customized solutions, these valves are a perfect fit even for the most demanding applications.

### Circuit function A



2/2-way valve,  
direct acting,  
normally closed

### Circuit function T



3/2-way valve,  
direct acting,  
universal function,  
any flow direction

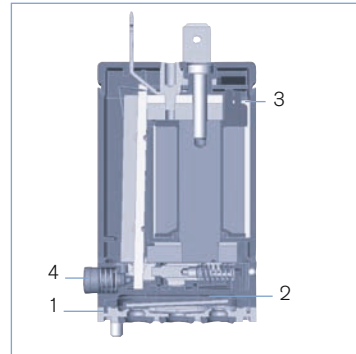
Other circuit functions on request.

Technical data	
Body material	PEEK
Seal material	FFKM (Perfluorelastomer)
Medium	<b>resistant to neutral and aggressive gases and liquids acc. to our chemical resistance chart; technical vacuum</b>
Medium temperature	0 to +70 °C
Ambient temperature	0 to +60 °C
Viscosity	max. ca. 21 mm <sup>2</sup> /s
Port connection	Bürkert sub-base G 1/8 NPT 1/8 on request
Operating voltage	12 V DC, 24 V DC other voltages on request
Voltage tolerance	± 10 %
Power consumption	5 W
Duty cycle	100% continuous operation
Manual override	Standard
Electrical connection	Rectangular plug or flying leads, 500mm
Protection class	IP40
Installation	As required, preferably with actuator in upright position

## Response times

Circuit function	Orifice DN [mm]	Kv value water [m <sup>3</sup> /h]	QNn value air [l/min]	Pressure range [bar]1)	Response times	
					opening [ms]	closing [ms]
A	2,0	0,10	104	Vacu-10	18	8
	3,0	0,16	170	Vacu-3	18	8
T	2,0	0,11	119	Vacu-5	18	8
	3,0	0,18	195	Vacu-2	18	8

- Flow rate  $k_v$ -value water [m<sup>3</sup>/h]:  
Measured at +20 °C, 1 bar pressure to atmosphere
- Response times [ms]:  
Measured at valve outlet at 3 bar and +20 °C according to ISO 12238  
**Opening:** Pressure rise from 0 ... 10%  
**Closing:** Pressure drop from 100 ... 90%



1	Valve body	PEEK
2	Diaphragm	FFKM
3	Coil body	PA (Polyamide)
4	Manual override	PPS

## Ordering chart

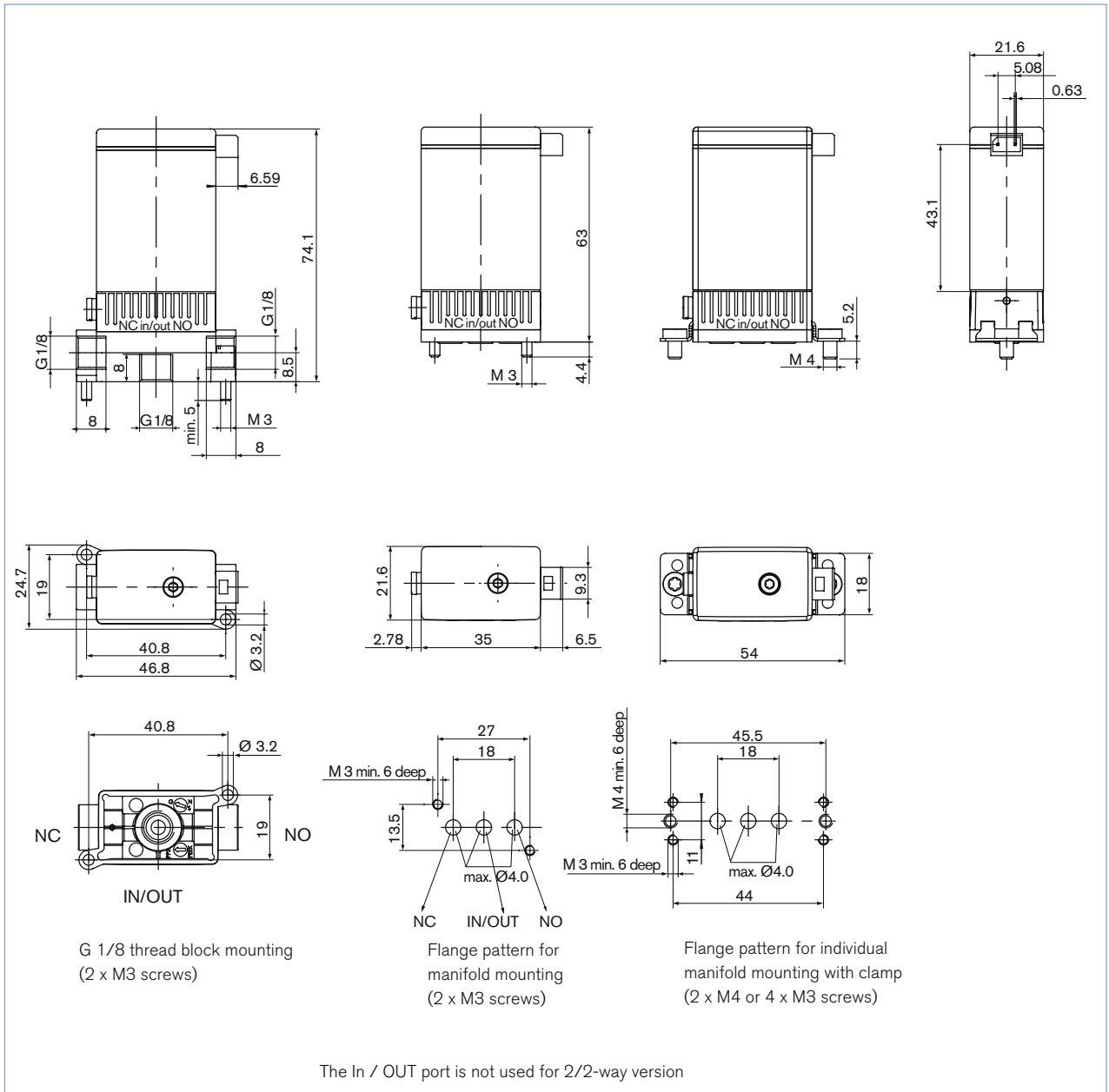
Circuit function	Orifice [mm]	Body material	Seal material	Voltage/ Frequency [V/Hz]	Port connection	Electrical connection	Item no.
A	2,0	PEEK	FFKM	12/DC	Bürkert sub-base	Rectangular plug	160 730
						Flying leads, 500 mm	160 741
					G 1/8	Rectangular plug	160 742
				NPT 1/8	Rectangular plug	160 829	
				24/DC	Bürkert sub-base	Rectangular plug	160 743
						Flying leads, 500 mm	160 744
	G 1/8	Rectangular plug	160 745				
	3,0	PEEK	FFKM	12/DC	Bürkert sub-base	Rectangular plug	160 746
						Flying leads, 500 mm	153 135
					G 1/8	Rectangular plug	160 747
				NPT 1/8	Rectangular plug	160 831	
				24/DC	Bürkert sub-base	Rectangular plug	150 825
						Flying leads, 500 mm	150 826
					G 1/8	Rectangular plug	160 748
NPT 1/8					Rectangular plug	160 832	
T	2,0	PEEK	FFKM		12/DC	Bürkert sub-base	Rectangular plug
				Flying leads, 500 mm			160 750
				G 1/8		Rectangular plug	160 751
				NPT 1/8	Rectangular plug	160 833	
				24/DC	Bürkert sub-base	Rectangular plug	160 752
						Flying leads, 500 mm	160 753
	G 1/8	Rectangular plug	160 754				
	NPT 1/8	Rectangular plug	160 834				
	3,0	PEEK	FFKM		12/DC	Bürkert sub-base	Rectangular plug
				Flying leads, 500 mm			159 356
				G 1/8		Rectangular plug	160 756
				NPT 1/8	Rectangular plug	160 835	
				24/DC	Bürkert sub-base	Rectangular plug	150 797
						Flying leads, 500 mm	149 485
G 1/8					Rectangular plug	160 757	
NPT 1/8					Rectangular plug	160 836	

- Rectangular plug types delivered without plug (see ordering chart for accessories)
- Manual override as standard

## Ordering chart for accessories

Accessories	Item no.	
Rectangular cable plug, 5,08 mm matrix	with 3 m cable	133 486
	with 300 mm flying leads	644 068
	with 2 single contacts	644 067
Clamp kit for securing single valves (1 packaging unit contains 10 clamps and 10 M4x6 screws)	648 231	

Dimensions [mm]



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In case of special application conditions,  
please consult for advice.

We reserve the right to make technical  
changes without notice.

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