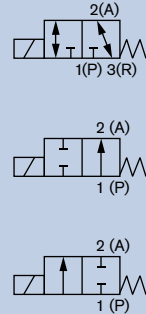


2/2 and 3/2-way Rocker Solenoid Valve for analytical applications

6606

DN1.5 mm or DN1.6 mm

- With isolating diaphragm
- For aggressive media
- Zero dead volume
- Also suitable for vacuum
- 16 mm width
- High back pressure tightness

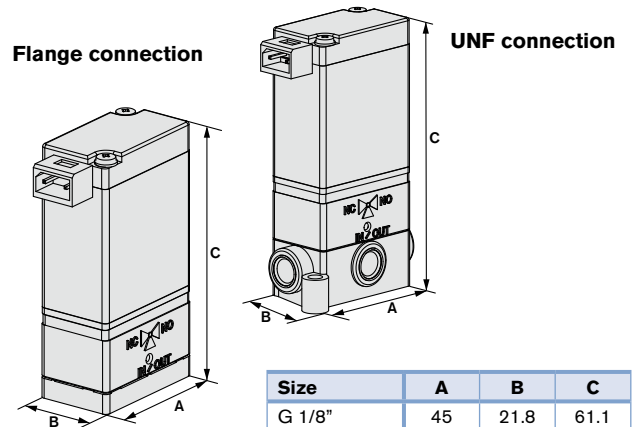


The direct-acting rocker solenoid valve, Type 6606 (2/2- and 3/2-way), has minimal dead volume and low-gap, plus an easy to wash inside contour. The medium is exposed only to the housing material and the seal. The heat transfer into the medium is minimal, since the housing is also separated from the coil by a stainless steel plate. The valve is particularly suitable for dosing, filling, mixing and dispensing small quantities of corrosive medium optimal.

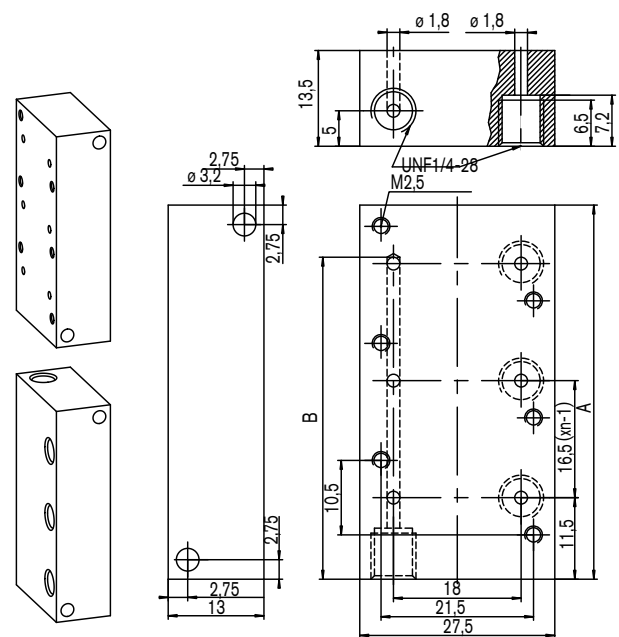
Technical Data

Pressure range	Vac – 2 bar
Medium temperature	0 °C to +50 °C
Ambient temperature	Max. +55 °C
Voltage tolerance	±10%
Duty cycle	100% continuous rating
Body material	PEEK, PVDF, ETFE
Seal material	FFKM
Power consumption	3.4 W
Protection class	IP65 with flying leads or with cable plug IP40 with rectangular plug
Electrical connection	- Rectangular plug, Type 2505 - Tag connection acc. to DIN EN 175301-803 (previously DIN 43650) for cable plug, Form C - 2 FEP flying leads, AWG24, 500 mm long - Circular connector and spade connection at side on request
Response times	acc. to ISO 12238:2001; measured at valve outlet at 2 bar and +20 °C Opening ca. 25 ms (pressure rise from 0 to 10%) Closing ca. 25 ms (pressure drop 100 to 90%)
Internal volume	depending on body at G/NPT 1/8 85 µl with Flange 68 µl at UNF body 30 µl (2/2), 55 µl (3/2) on request < 10 µl

Envelope Dimensions [mm] (see datasheet for details)

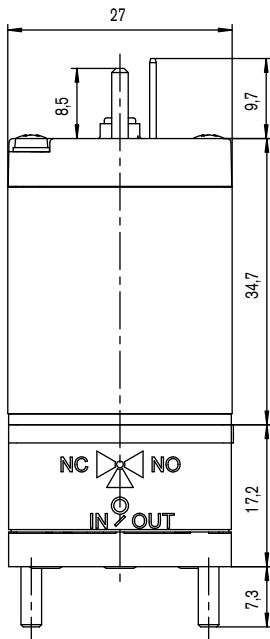


Size	A	B	C
G 1/8"	45	21.8	61.1
UNF 1/4-28	37.8	23.8	60.1
Tube	39	16	54.8
Flange	27	16	51.9

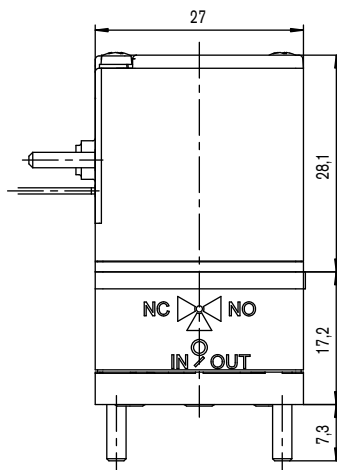


Envelope Dimensions [mm] (see datasheet for details)

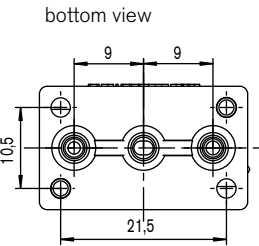
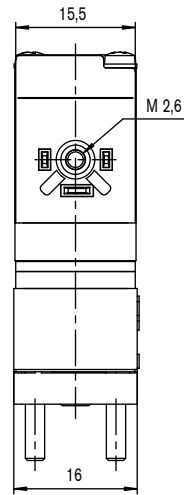
Bürkert Manifold connection



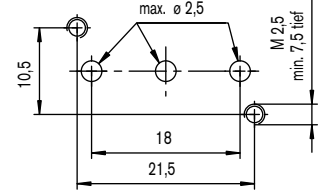
Spade connection on top



Spade connection on side



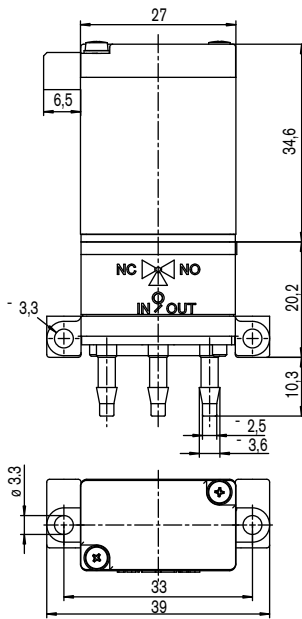
bottom view



flange interface for manifold

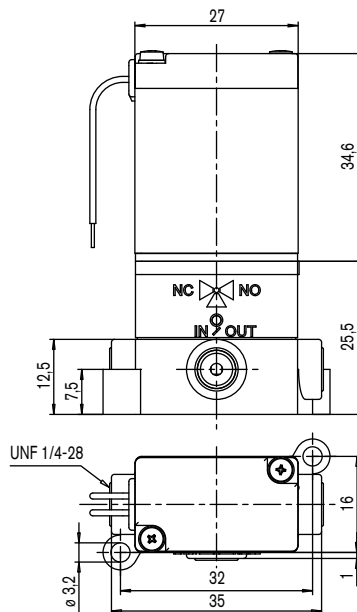
The middle port does not apply for the 2/2-way function

Valve with barb tube fittings and rectangular plug



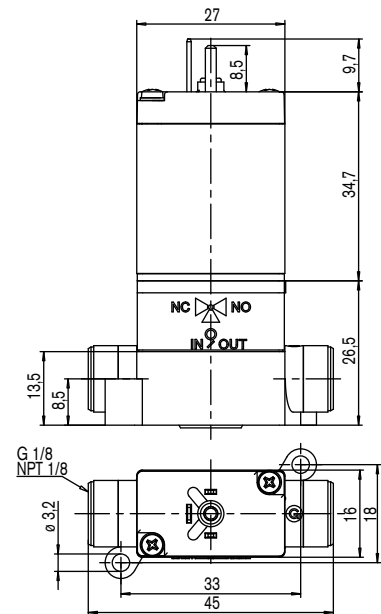
For the 2/2-way version the NO port does not apply

Valve with UNF 1/4-28 and flying lead



For the 2/2-way version the NO port does not apply

Valve with G 1/8 or NPT 1/8 and spade connection on top



For the 2/2-way version the middle port does not apply

Ordering Chart

6606

Circuit function	Port connection	Orifice [mm]	Kv value water [m ³ /h] ¹⁾	Kv value water [l/min]	Qn-value air [l/min]	Pressure range [bar] ²⁾	Body material	Electrical connection	Voltage/frequency [V/Hz]	Item no.
A 2/2-way valve normally closed	UNF 1/4-28	1.5	0.039	0.66	42	Vac. - 2	ETFE	Flying leads, 500 mm	024/DC	137 759
	G 1/8"	1.6	0.060	1.02	65	Vac. - 2	PVDF	Rectangular plug	024/DC	139 146
								Tag connector sideways	024/DC	137 746
	Tube spigot	1.6	0.039	0.66	42	Vac. - 2	PVDF	Flying leads, 500 mm	024/DC	137 764
								Rectangular plug	024/DC	139 147
	Bürkert Flange connection	1.6	0.039	0.66	42	Vac. - 2	PEEK	Flying leads, 500 mm	012/DC	137 744
									024/DC	137 745
Tag connector sideways								024/DC	137 741	
B 2/2-way valve normally open	G 1/8"	1.6	0.060	1.02	65	Vac. - 2	PVDF	Tag connector sideways	024/DC	137 747
T 3/2-way valve universal function	UNF 1/4-28	1.5	0.025	0.43	27	Vac. - 2	ETFE	Flying leads, 500 mm	024/DC	137 779
								G 1/8"	1.6	0.047
	Rectangular plug	024/DC	139 149							
	Tag connector sideways	024/DC	137 769							
	Tube spigot	1.6	0.025	0.43	27	Vac. - 2	PVDF	Flying leads, 500 mm	012/DC	137 782
									024/DC	137 783
								Rectangular plug	024/DC	139 150
								Tag connector sideways	012/DC	137 781
	Bürkert Flange connection	1.6	0.032	0.54	35	Vac. - 2	PEEK	Flying leads, 500 mm	024/DC	137 768
Rectangular plug								024/DC	139 148	
Tag connector sideways								012/DC	137 766	
								024/DC	137 765	

¹⁾ Measured at +20 °C, 2 bar pressure at valve inlet and 1 bar at outlet

²⁾ Gauge pressure with respect to the prevailing atmosphere pressure

Number of valve stations	Dimensions A [mm]	Item no.
Manifolds		
2	37.50	651 506
3	53.75	651 510
4	70.25	651 507
5	86.75	651 508
6	103.30	651 509
7	119.80	651 521
8	163.30	651 522

Standard distributor/collector: a common In/Output, individual Out/Input (all UNF1/4-28) supplied without valves; PEEK material

“Who says that producing pharmaceutical glass cannot be more efficient?”

Efficiency is critical to success – both in energy and resource consumption as well as in production processes. Bürkert has now opened up new possibilities with the MFCs of our Type 874x family for up-to-date mass flow control of gases. Easy to use and with a state of the art communication concept: A well-coordinated, flexible system that redefines precision, achieves the highest repeatability and manages up to 16 devices through a single Ethernet interface. This results in more transparent processes and utilizes resources efficiently.

Thus, processes can be simplified and managed in an intelligent way: a perfect combination of centralized and decentralized control.

**Slim, precise, future-proof –
mass flow controllers that meet the needs of tomorrow.**



INSPIRING ANSWERS

Bürkert Fluid Control Systems

Christian-Bürkert-Straße 13-17

74653 Ingelfingen

Tel.: +49 (0) 7940 10-111

info@burkert.com · www.burkert.com

bürkert
FLUID CONTROL SYSTEMS