







Cable plug form C



Type 2505 Rectangular Cable plug

The direct-acting rocker solenoid valves with isolating diaphragm of Type 6606 (2/2- and 3/2-way) are high quality valves for analytical technology. They have minimal dead volume and internal volume with few crevices making them easy to flush out. The fluid only comes into contact with the body material and the FFKM seal. The heat transfer to the medium is minimal. The fluid path is isolated from the coil by a stainless steel plate. The valves are ideal for dosing, filling, mixing and distributing of small quantities of fluid for medical, analytical and laboratory applications.

Circuit function A



2/2-way valve, directacting, normally closed

Circuit function B



2/2-way valve, directacting, normally open

Circuit function T



3/2-way valve, directacting, universal functions

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

- With isolating diaphragm
- Low dead volume, low internal volume
- For aggressive media
- High back-pressure tightness
- NC, NO or universal circuit function
- Compact 16 mm design

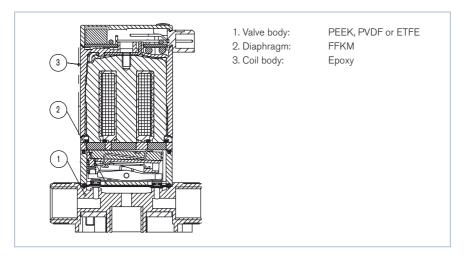


Manifolds

Technical data			
Orifice	DN 1.5 - 1.6 mm		
Body material	PEEK, PVDF, ETFE		
Seal material	FFKM		
Media	Resistant to neutral and aggressive liquids and gases; see Burkert chemical resistance chart		
Temperature media	0 to 50 °C		
Ambient temperature	Max +55°C		
Internal volume NPT 1/8, G 1/8 Flange Body UNF On request	Depending on body 85µl 68µl 30µl (2/2way); 55µl (3/2way) <10µl		
Operating voltage	12 and 24V/DC; other voltages on request		
Voltage tolerance	± 10%		
Power consumption	3.4 W		
Duty cycle	100% continuous rating		
Electrical connection	Rectangular plug, Type 2505 Spade connection acc. to DIN 43650 C for cable plug Type 2506 on top 2 FEP flying leads, AWG24, 500mm long Circular connector and spade connection at side on request		
Protection class	IP65 with flying leads or with cable plug IP40 with rectangular plug		
Installation	As required, preferably with actuator in upright position		
Response times Open	According to ISO 12238:2001; Measured at valve outlet with air at 2 bar and +20 °C approx. 25 ms (Pressure rise 0 to 10%)		
Close	approx. 25 ms (Pressure drop 100 to 90%)		



Materials



Ordering chart for Type 6606 (other versions on request)

All valves with FFKM seal material, spade connector version without cable plug (see accessories)

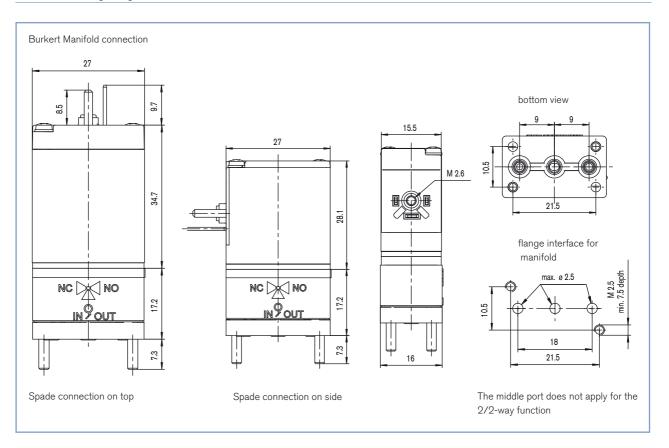
Circuit function	Port connection	Oorifice [mm]	Kv value water [m³/h] ¹)	Kv value water [I/min]	QNn value air [l/min]	Pressure range [bar]	Body material	Electrical Connection	Voltage/ Frequency [V/Hz]	Item No.
Α	UNF 1/4-28	1.5	0.039	0.66	42	Vac- 2	ETFE	Flying leads, 500 mm	024/DC	137 759
	G 1/8	1.6	0.060	1.02	65	Vac- 2	PVDF	Rectangular plug	024/DC	139 146
A I								Spade connector sidewards	024/DC	137 746
P	Tube	1.6	0.039	0.66	42	Vac- 2	PVDF	Flying leads , 500 mm	024/DC	137 764
2/2-way valve	connection							Rectangular plug	024/DC	139 147
direct acting	Sub-base	1.6	0.039	0.66	42	Vac- 2	PEEK	Flying leads , 500 mm	012/DC	137 744
Normally closed									024/DC	137 745
								Spade connector sidewards	024/DC	137 741
B 2/2-way valve direct acting Normally open	G 1/8	1.6	0.060	1.02	65	Vac- 2	PVDF	Spade connector sidewards	024/DC	137 747
T	UNF 1/4-28	1.5	0.025	0.43	27	Vac- 2	ETFE	Flying leads, 500 mm	024/DC	137 779
Α	G 1/8	1.6	0.047	0.80	51	Vac- 2	PVDF	Flying leads, 500 mm	024/DC	137 771
								Rectangular plug	024/DC	139 149
P R 3/2-way valve								Spade connector sidewards	024/DC	137 769
direct acting	Tube	1.6	0.025	0.43	27	Vac- 2	PVDF	Flying leads , 500 mm	012/DC	137 782
Universal functions	connection								024/DC	137 783
								Rectangular plug	024/DC	139 150
								Spade connector sidewards	012/DC	137 781
	Sub-base	1.6	0.032	0.54	35	Vac- 2	PEEK	Flying leads , 500 mm	024/DC	137 768
								Rectangular plug	024/DC	139 148
								Spade connector sidewards	012/DC	137 766
								Spade connector sidewards	024/DC	137 765

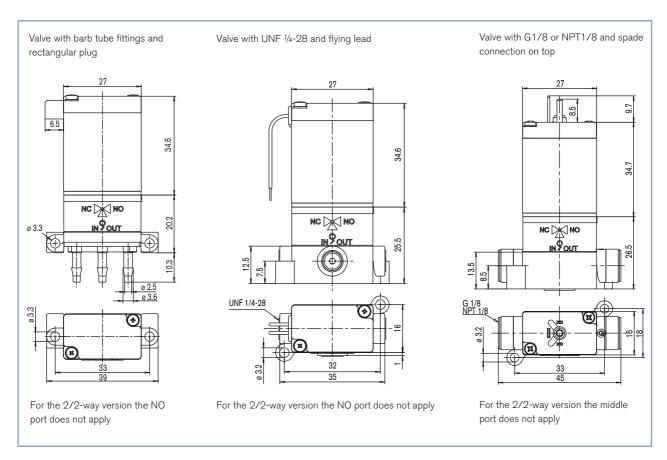
¹⁾ Measured at +20°C, 2 bar pressure at valve inlet and 1 bar at outlet

²⁾ Gauge pressure with respect to the prevailing atmosphere pressure

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Dimensions [mm]

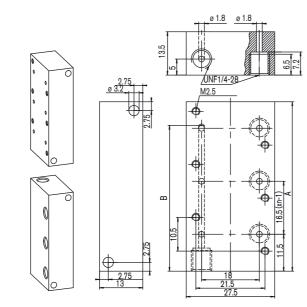






Dimensions of multiple manifolds [mm]

Standard divider/collector; one common inlet/outlet, individual outlets/inlets (all UNF 1/4-28), shipment without valves; Material PEEK



Ordering chart for Type 6606 manifolds

Stations	Dimension A [mm]	Item no.
2 valves	36.25	651 506
3 valves	52.75	651 510
4 valves	69.25	651 507
5 valves	85.75	651 508
6 valves	102.25	651 509
7 valves	118.75	651 521
8 valves	135.25	651 522

Further versions on request

Additional fittings and hoses (also see Type 1013-AA 05)

Ordering chart for accessory

Cable plug Type 2506 acc. to DIN EN 175301-803 Form C, with flat seal and fixing screw, without cable

	Cable plug Type 2506	Voltage	Item no.
	Standard without circuitry	0-250V/UC	008 353
17:26 81-94 81-94 1991	With LED	12-24V/DC	008 402
	With LED and varistor	12-24V/DC	008 408
	With rectifier, LED and	12-24V/UC	008 354
	varistor		

	Rectangular cable plug Type 2505	Item no.
	With 3m cable	133 486
	With 300 mm flying leads	644 068
	With 2 single contacts	644 067

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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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