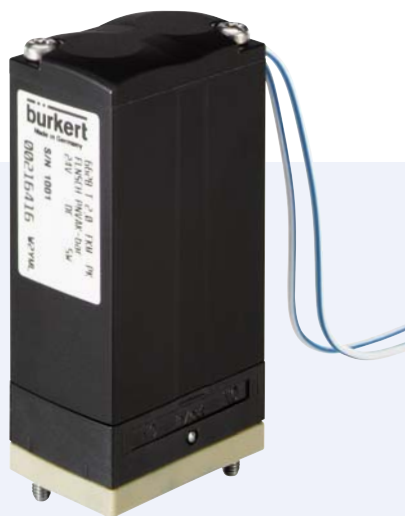




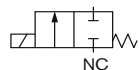
2/2- and 3/2-way Rocker Solenoid Valve

- 22 mm ultra compact design with orifices up to DN 3.0
- Isolating diaphragm for high chemical resistance
- Circuit function NC, NO and 3-way universal
- Back pressure tightness via rocker principle
- Minimal internal volume with excellent cleanability

Direct acting medium separated 2/2- and 3/2-way Rocker Solenoid Valve for control of aggressive fluids and gases in analytical medical applications, the food industry, and also the chemical industry for dosing, filling, mixing and distribution.

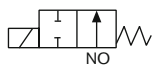
The medium is in contact with fluid housing and seal material solely through the isolating diaphragm. This valve with the new TwinPower-actuator, robust screw-in connection and 22 mm installation width, will fulfil the highest requirements. The established rocker solenoid technology is characterized through full back pressure tightness, good rinsing capability and low internal volume. Type 6628 is available in different technical versions and by virtue of several body options, it offers a perfect adaptation in fluid applications.

Circuit function A



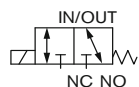
2/2-way valve,
direct acting,
normally closed

Circuit function B



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

Circuit function T

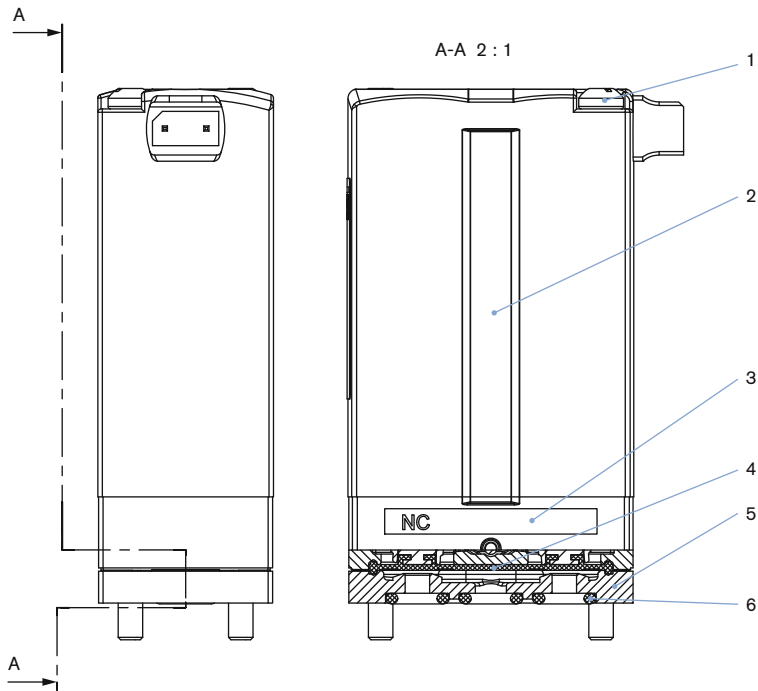


3/2-way valve,
direct acting,
universal function

Other circuit functions on request.

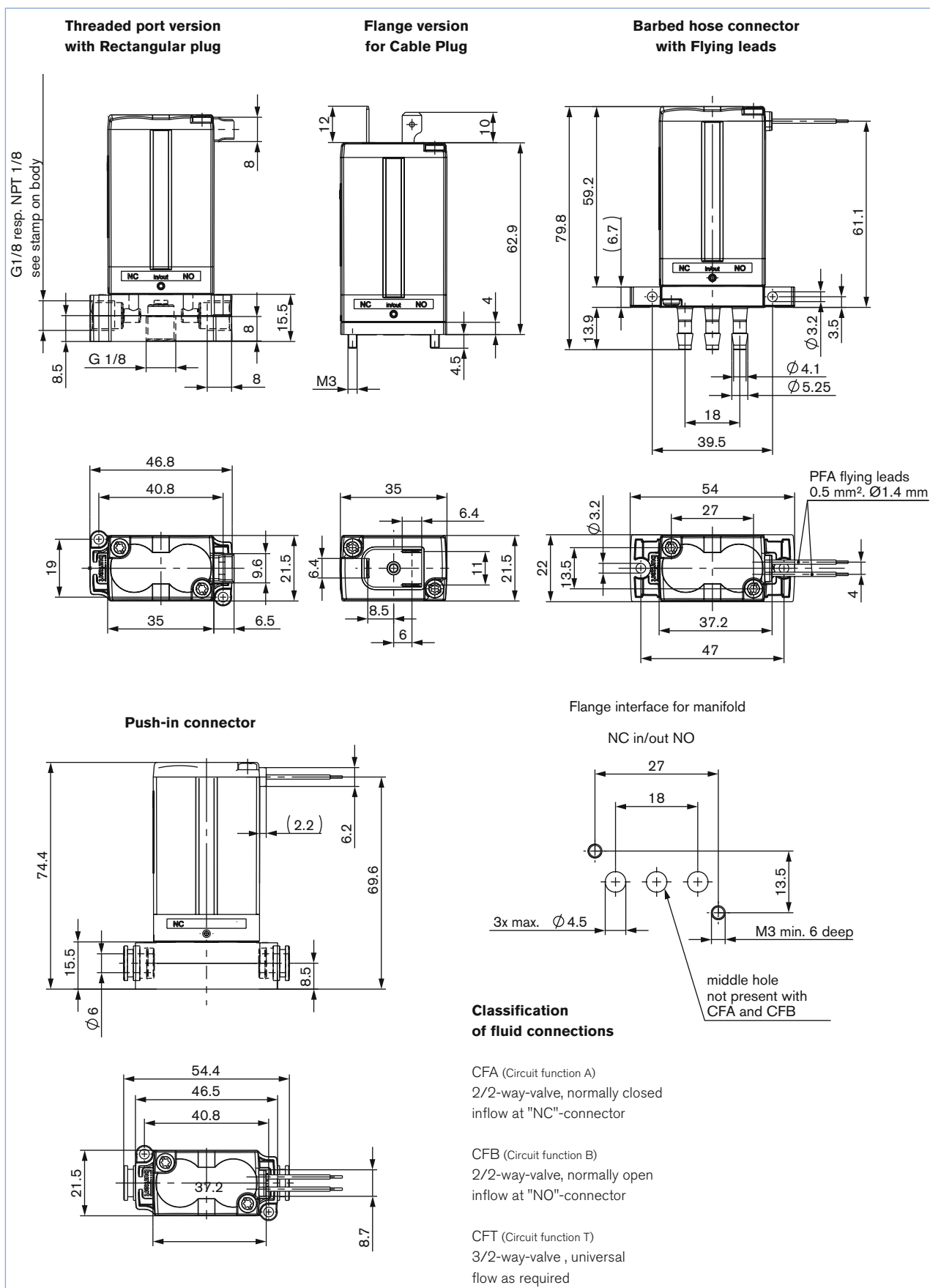
Technical Data	
Orifice	DN 2.0 or 3.0 mm
Body material	PEEK, PPS or PVDF (PP on request)
Seal material	FFKM, FKM or EPDM
Medium	Resistant to neutral and aggressive gases and liquids acc. to our chemical resistance chart
Medium temperature	
FKM	0 to +55 °C
FFKM	+10 to +55 °C
EPDM	-10 to +55 °C
Ambient temperature	
FKM	0 to +55 °C
FFKM	+10 to +55 °C
EPDM	-10 to +55 °C
Internal volume	approx. 200 µl
Viscosity	max. approx. 21 mm ² /s
Port connection	▪ Bürkert-Flange (22 x 35 mm) ▪ G 1/8 ▪ NPT 1/8 ▪ Barbed hose connector 4 mm (5/32") ▪ Push-in connector (tube's external diameter 6 mm)
Electrical connection	▪ PFA single flying leads, 0,5 mm², 500 mm ▪ Rectangular plug for cable plug Type 2505 ▪ Industry plug acc. to DIN 43650 Form B for cable plug Type 2507 on request ▪ circular connector M8 on request
Power supply	12 V DC, 24 V DC Other voltages on request
Voltage tolerance	±10%
Power consumption	5 W
Duty cycle	100% continuous operation
Installation	As required, preferably with actuator upright
Protection class	IP 54 (IP30 with rectangular plug Type 2505)
Response times	Measurement at valve output with 2 bar and 20 °C acc. to DIN ISO 12238:2001
opening	25 ms (pressure build-up 0-10%)
closing	25 ms (pressure build-up 100-90%)
Manual override	on request

Materials

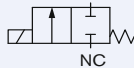
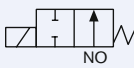


	Description	Material
1	Fixing screw (from end to end)	Stainless steel
2	Coil	Epoxy
3	Valve body	PPS
4	Diaphragm (Medium contact)	FFKM, FKM or EPDM
5	Fluid housing (Medium contact)	PEEK, PPS or PVDF (PP on request)
6	Flange seal (Medium contact)	FFKM, FKM or EPDM

Dimensions [mm]

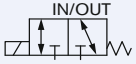


Ordering chart

Circuit function	Orifice [mm]	Port connection	Kv value water [m³/h]	Q _m value air [l/min]	Pressure range [bar]	Max. pressure difference [bar]	Seal material	Body material	Electrical connection	Voltage/ Frequency [V/Hz]	Item no.		
 2/2-way valve, direct acting, normally closed	2	Bürkert-Flange	0.1	110	Vac-5	5	EPDM	PPS	Rectangular plug	24/DC	250 857		
	3		Hose connector	0.17	180	Vac-3			3	Flying leads, 500 mm	12/DC	251 614	
										G 1/8	Rectangular plug	24/DC	241 727
											Flying leads, 500mm		246 199
		Plug top						242 030					
		Flying leads, 500 mm	251 643										
		PEEK	Plug top					251 613					
			Flying leads, 500 mm					236 170					
			Plug top					251 644					
	2		Bürkert-Flange	0.1	110	Vac-5	5	FKM	PPS	Rectangular plug	24/DC	251 618	
	3	Hose connector		0.17	180	Vac-3	3			Flying leads, 500 mm	12/DC	251 620	
										G 1/8	Rectangular plug	24/DC	246 382
											Flying leads, 500mm		248 017
									Plug top		251 624		
	PEEK	Flying leads, 500 mm							238 616				
	PEEK	Plug top							251 628				
		Flying leads, 500 mm							242 340				
		Plug top	238 615										
		PPS	Flying leads, 500mm	251 650									
	2	Bürkert-Flange	0.1	110	Vac-5	5	FFKM	PEEK	Rectangular plug	24/DC	235 315		
	3		Hose connector	0.17	180	Vac-3			3	Flying leads, 500 mm	12/DC	234 350	
										G 1/8	Rectangular plug	24/DC	235 316
											Flying leads, 500mm		270 082
								PEEK			Rectangular plug		235 317
	PVDF		Flying leads, 500 mm					270 083					
	PEEK		Plug top					230 304					
			Flying leads, 500 mm					270 081					
		Plug top	235 318										
		PEEK	235 319										
 2/2-way valve, direct acting, normally open	3	Bürkert-Flange	0.17	180	Vac-3	3	FFKM	PEEK	Flying leads, 500 mm	24/DC	251 686		

- Kv-value water [m³/h] max. flow rate for water measured at +20 °C, 1 bar pressure to atmosphere
- Rectangular plug types delivered without plug (see ordering chart for accessories)

Ordering chart, continued

Circuit function	Orifice [mm]	Port connection	Kv value water [m³/h]	Q _{no} value air [l/min]	Pressure range [bar]	Max. pressure difference [bar]	Seal material	Body material	Electrical connection	Voltage/ Frequency [V/Hz]	Item no.		
T  3/2-way valve, direct acting, universal function	2	Bürkert-Flange	0.1	110	Vac-5	5	EPDM	PPS	Rectangular plug	24/DC	250 859		
	3		Hose connector	0.17	180	Vac-2			2	Flying leads, 500 mm	12/DC	241 889	
										G 1/8	Rectangular plug	24/DC	241 726
											Flying leads, 500mm		251 616
		Plug top						245 256					
		Flying leads, 500 mm	251 645										
		PEEK	Plug top					251 617					
			Flying leads, 500 mm					245 205					
			Plug top					251 647					
			2				Bürkert-Flange	0.1		110	Vac-5	5	FKM
	3	Hose connector	0.17	180	Vac-2	2		Flying leads, 500 mm	12/DC	251 630			
								Rectangular plug	24/DC	251 633			
								Flying leads, 500mm		251 634			
							Plug top	251 635					
	PEEK	Flying leads, 500 mm	251 684										
		Plug top	251 637										
		Plug top	251 638										
		Plug top	251 649										
	PPS	Flying leads, 500mm	251 649										
		2	Bürkert-Flange	0.1	110	Vac-5	5	FFKM	PEEK	Rectangular plug	24/DC	251 685	
		3		Hose connector	0.17	180	Vac-2			2	Flying leads, 500 mm	12/DC	235 320
									PVDF		24/DC	234 340	
	PEEK								Flying leads, 500 mm			235 321	
	PVDF								270 079				
	PEEK	Rectangular plug		24/DC	235 322								
		PEEK			Flying leads, 500 mm	270 080							
						230 305							
						270 078							
	Hose connector		G 1/8	0.17		180	Vac-2		2	FFKM	PEEK	Flying leads, 500 mm	24/DC
		235 325											

- Kv-value water [m³/h] max. flow rate for water measured at +20 °C, 1 bar pressure to atmosphere
- Rectangular plug types delivered without plug (see ordering chart for accessories)

i Further versions on request

Electrical connection

Cable plug connection acc. to Form B (Industrial standard)
Flying leads


Material

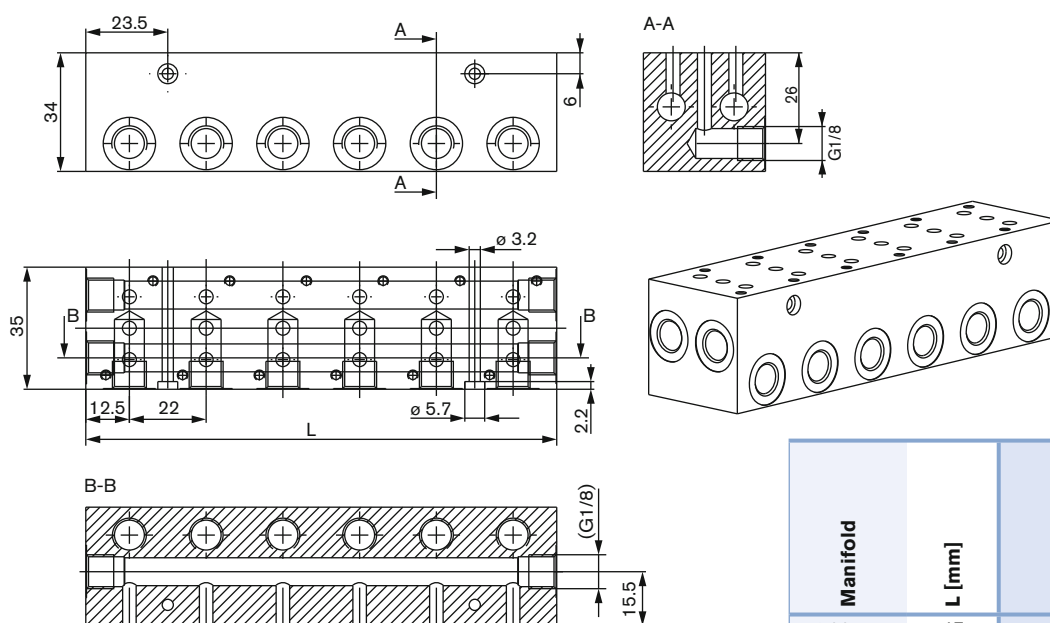
Other body and seal materials

Ordering chart for accessories

Description	Item no.
 Rectangular cable plug Type 2505 with 3 m cable	133 486
 Rectangular cable plug Type 2505 with 300 mm flying leads	644 068
 Cable Plug Type 2507 according to Industrial standard Form B, without circuitry, 0... 250 V AC/DC	423 845
 Cable Plug Type 2507 according to Industrial standard Form B, with LED, 24 V AC/DC	423 849

Dimensions [mm] and ordering chart for manifold

Multiple Manifolds with individual service port (G1/8) and diverter function on 2 common channels (G1/8); Delivery without valves; Material: anodized aluminium



Manifold	L [mm]	Item no.
2-fold	47	669 571
3-fold	69	672 633
4-fold	91	669 572
5-fold	113	672 661
6-fold	135	669 570
10-fold	223	672 660

▪ Other versions on request.

Application examples

Flying leads valve with plug-in coupling



Flying leads valve with threaded body



Rectangular plug with hose connector



Rectangular plug with manual override and flange



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

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