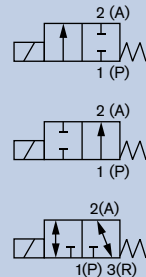


2/2- and 3/2-way Solenoid Valve for analytical applications

6626

TwinPower

- 16 mm Installation width
- Orifice DN2.0-3.0 mm
- Media separated, for aggressive fluids
- High back pressure tightness
- Direct-acting
- Suitable vacuum



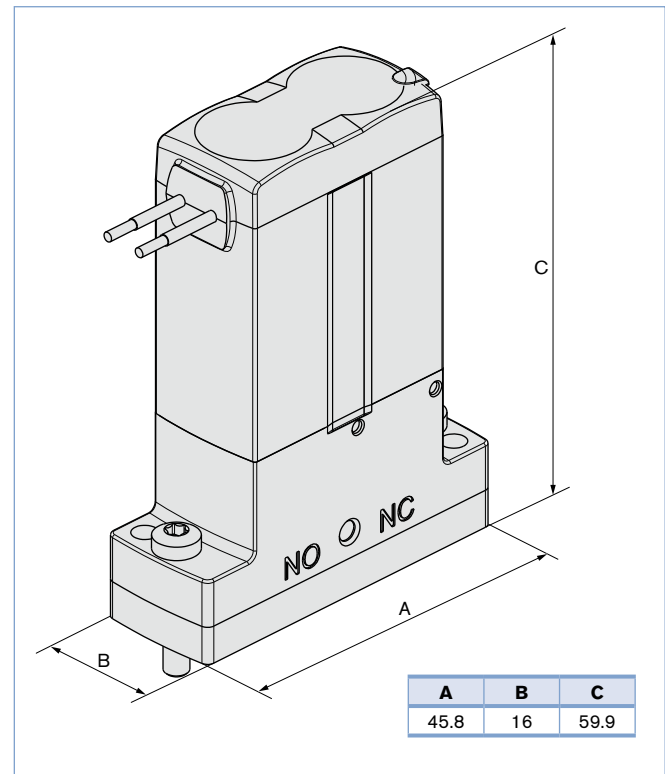
Our revolutionary Twin-power technology operates with two coils. The innovative drive concept is combined with the proven rocker principle. The integrated power reduction decreases the energy consumption by 75% and has the same features as a traditional 22 mm unit. In combination with other design features the heat transfer into the medium can be reduced to a minimum.

In the design of the 6626, the main benefits lie in its excellent cleanability and a high reliability. By using high performance materials the 6626 suits the handling of aggressive medium perfectly. The valve is available in a 2/2-way and 3/2-way version.

Technical data

Orifice	DN2.0-3.0 mm
Body material	PEEK, PPS
Seal material	FFKM, FKM, EPDM
Medium	Resistant to neutral and aggressive fluids and gases; see Bürkert resistance table
Medium temperature	
FFKM	+15 °C to +50 °C
FKM	-10 °C to +50 °C
EPDM DN2.0	-10 °C to +50 °C
EPDM DN3.0	+5 °C to +50 °C
Ambient temperature	
FFKM	+15 °C to +55 °C
FKM	-10 °C to +55 °C
EPDM DN2.0	-10 °C to +55 °C
EPDM DN3.0	+5 °C to +55 °C
Internal volume	<470 µl
Port connection	Flange, UNF, G 1/8", tube
Electrical connection	Flying leads, Rectangular plug Type 2505 (not included)
Operating voltages	24 V ¹⁾ , 12 V ¹⁾
Voltage tolerance	24 V ±10% ²⁾ 12 V +10% / -5% ²⁾
Nominal power	13.6 W inrush power 3.4 W nominal holding current (internal power reduction)
Duty cycle	Continuous operation 100% ED
Installation	As required
Protection class	IP40
Switching frequency	Max. 2 Hz ³⁾
Response times	Acc. ISO 12238
Opening	ca. 10 ms (Pressure rise 0-10%)
Closing	ca. 15 ms (Pressure drop 100-90%)

Dimensions [mm] (see datasheet for further Details)



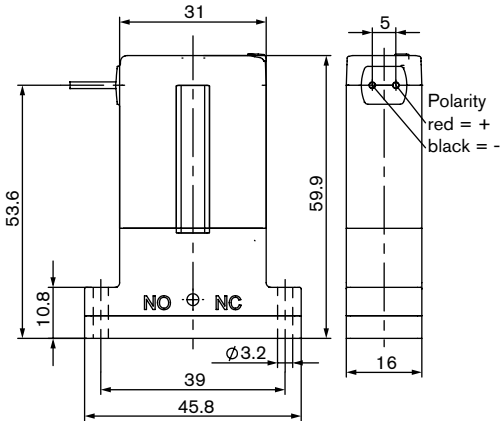
¹⁾ Battery voltage, check polarity (red= +, black= -)

²⁾ Max. allowed ripple

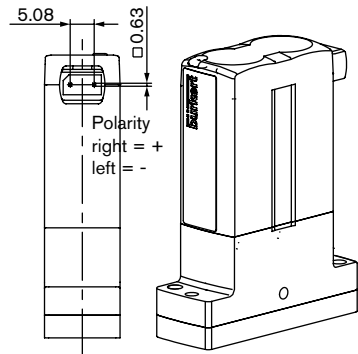
³⁾ at ambient temperature of 20 °C

Dimensions [mm] (see datasheet for further Details)

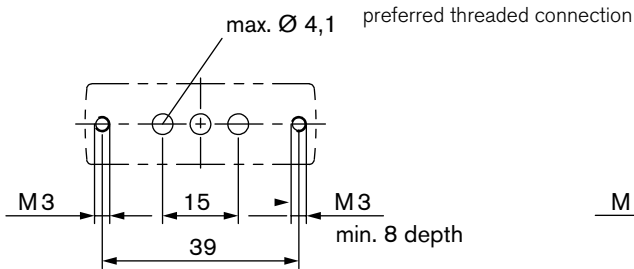
Electrical connections: flying leads



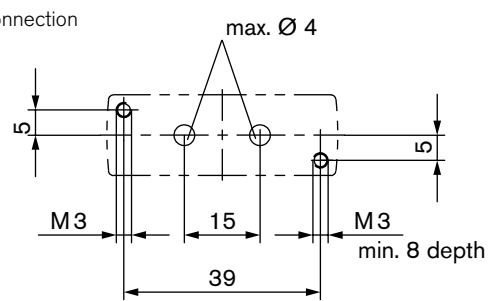
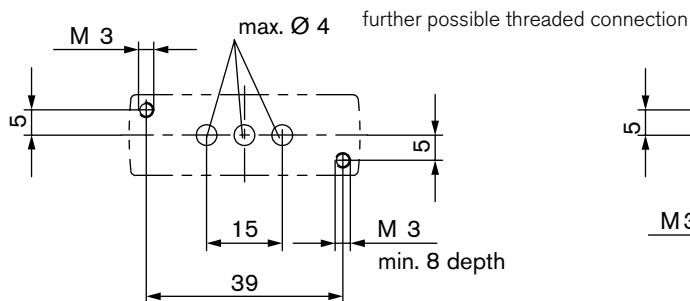
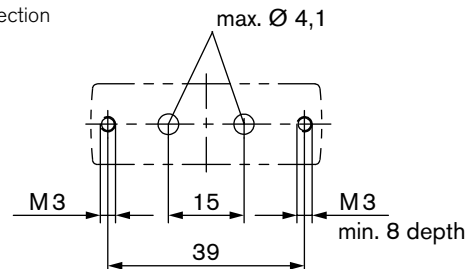
Electrical connections: rectangular plug



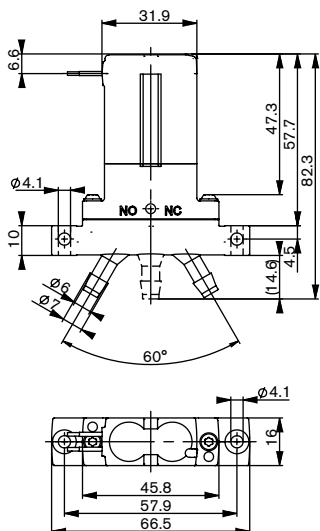
Sub-base body for 3/2-way connection



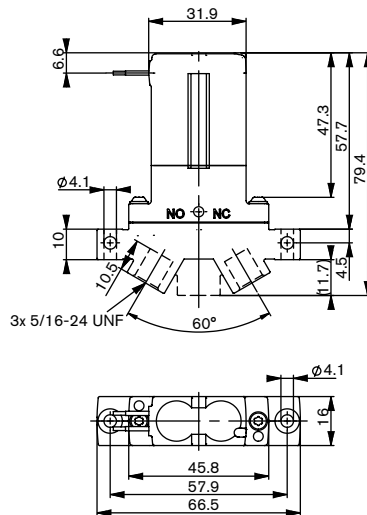
Sub-base body for 2/2-way connection



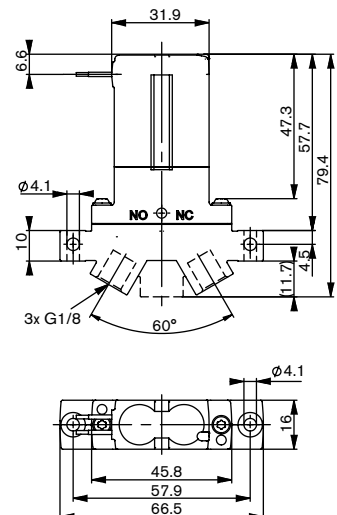
Body, tube connector



Body, UNF 5/16" -24



Body, G1/8



Ordering chart

Circuit function	Orifice [mm]	Port connection	Kv value water [m ³ /h] ¹⁾	Pressure range [bar] ²⁾	Max. pressure difference [bar]	Seal material	Body material	Electrical connection	Voltage [V]	Item no.				
A 2/2-way valve normally closed	2.0	Sub-base	0.10	Vac. - 3 (Vac. - 5)	3 (5)	EPDM	PPS	Rectangular plug ³⁾	12	247 769				
									24	247 771				
								UNF	Vac. - 3 (Vac. - 4)	3 (4)	FFKM	PEEK	Flying leads	12
			24	247 786										
				251 709										
			G 1/8"	Vac. - 3 (Vac. - 4)	3 (4)	FKM	PPS	Rectangular plug ³⁾	252 770					
	FFKM	PEEK							Flying leads	234 278				
			3.0	Sub-base	0.19	Vac. - 2	2	EPDM		PPS	Rectangular plug ³⁾	24	247 797	
	FFKM	PEEK							238 530					
									FKM			PPS	12	247 816
	UNF	0.15									FFKM		PEEK	Flying leads
									251 711					
					252 771									
	Tube	0.19			EPDM			Rectangular plug ³⁾	252 772					
FFKM									PEEK	Flying leads	247 789			
											FKM	PPS	Rectangular plug ³⁾	228 642
														247 810
B 2/2-way valve normally open			2.0	Sub-base		0.10	Vac. - 3		3	FFKM	PEEK	Flying leads	24	252 773
	3.0	0.19			Vac. - 2			2					Rectangular plug ³⁾	242 597
						245 910								

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

²⁾ Measured as overpressure with respect to atmospheric pressure.

³⁾ Rectangular cable to be ordered separately, selection option see accessories.

Info: () Values in brackets apply only for gaseous media.

Ordering chart

Circuit function	Orifice [mm]	Port connection	Kv value water [m ³ /h] ¹⁾	Pressure range [bar] ²⁾	Max. pressure difference [bar]	Seal material	Body material	Electrical connection	Voltage [V]	Item no.						
T 3/2-way valve Universal function	2.0	Sub-base	0.10	Vac. - 3 (Vac. - 5)	3 (5)	EPDM	PPS	Rectangular plug ³⁾	24	247 826						
								Flying leads	12	247 829						
									24	247 841						
								Rectangular plug ³⁾	12	247 838						
									UNF	0.10	Vac. - 3 (Vac. - 4)	3 (4)	FFKM	PEEK	Flying leads	24
								252 774								
	Rectangular plug ³⁾	12	252 775													
		3.0	Sub-base	0.19	Vac. - 2	2	EPDM	PPS	Rectangular plug ³⁾	12	247 851					
	Flying leads								24	247 853						
									234 371							
	Rectangular plug ³⁾								12	238 531						
									FFKM	PEEK	PPS	Flying leads	24	247 874		
	247 877															
	UNF								0.15	EPDM	PEEK	Rectangular plug ³⁾	252 776			
												Flying leads	251 715			
	G 1/8"								0.19	FKM	PEEK	Rectangular plug ³⁾	247 872			
247 844																
Tube	0.19	EPDM	PEEK	Flying leads	247 859											
				247 858												
Flying leads	247 869															




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

2) Measured as overpressure with respect to atmospheric pressure.

3) Rectangular cable to be ordered separately, selection option see accessories.

Info: () Values in brackets apply only for gaseous media.

Ordering chart for accessories

Accessories	Features	Item no.
	Rectangular plug Type 2505 with 3 m cable	133 486
	Rectangular plug Type 2505 with 300 mm flying leads	644 068
	Rectangular plug Type 2505, single contact for individual mounting	644 067