



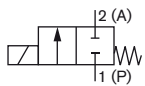
2/2- and 3/2 way Bürkert TwinPower Rocker-Solenoid Valve with separating diaphragm

- For highest chemical resistance requirements
- Ultra compact design due to Bürkert Twinpower-actuator with 10.3 mm width
- DN0.8 (5 bar) and DN1.6 (2 bar)
- Integrated hit and hold electronic
- High back pressure tightness with excellent cleanability

Type 6624 combines the reliable and successful Rocker principle with a highly innovative new actuator. The Bürkert TwinPower concept of this actuator reduces the size greatly without loss in performance. Hence the 10 mm wide medium isolated rocker valve, 6624, with a 1.6 mm orifice and a pressure resistance of 2 bar, provides the same performance as a traditional 16 mm valve. In addition, the integrated power reduction decreases the energy consumption by 75%. In combination with other design features the heat transfer into the medium can be reduced to a minimum.

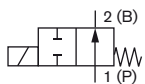
In the design of the 6624, the main benefits lie in its excellent cleanability and a high reliability. By using high performance materials the 6624 suits the handling of aggressive medium perfectly. The valve is available in a 2-way and 3-way version.

Circuit function A



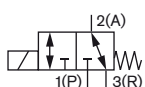
2/2 way direct-acting solenoid valve, normally closed

Circuit function B



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

Circuit function T



3/2 way direct-acting solenoid valve, flow direction optional

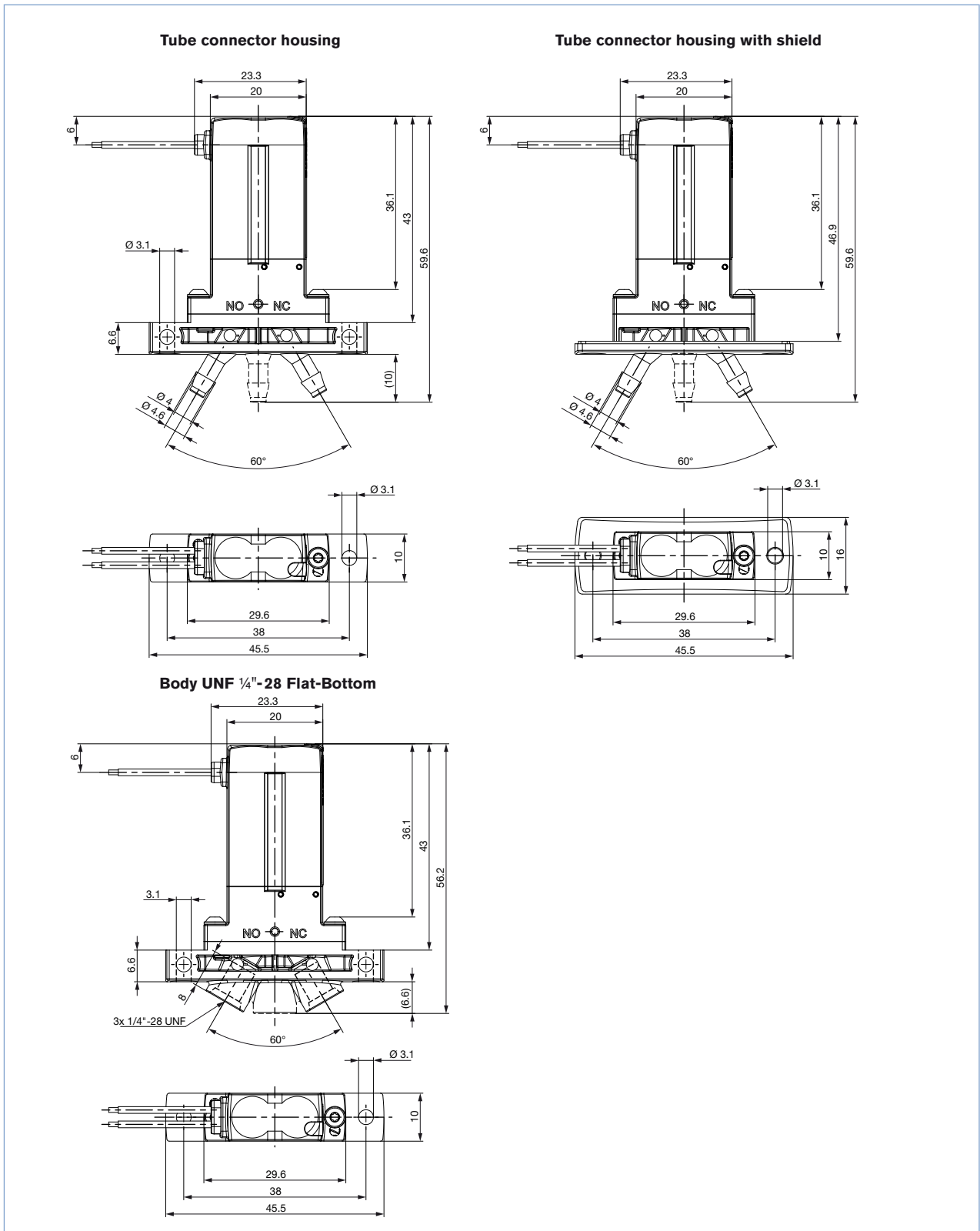
Technical Data	
Orifice	DN0.8 mm (Vac...5 bar), DN1.6 mm (Vac...2 bar)
Body material	PEEK / PPS
Seal material	FFKM / FKM / EPDM
Medium	Resistant to neutral and aggressive gases and liquids acc. to our chemical resistance chart
Medium temperature	
FFKM	+ 15 ... + 50 °C
FKM	- 10 ... + 50 °C
EPDM	- 10 ... + 50 °C (for orifice DN0.8) + 5 ... + 50 °C (for orifice DN1.6)
Ambient temperature	
FFKM	+ 15 ... + 55 °C
FKM	- 10 ... + 55 °C
EPDM	- 10 ... + 55 °C
Internal volume	< 100 µl
Port connection	Sub-base / UNF / Tube connection
Electrical connection	Flying leads, Rectangular plug
Power supply	24 V ¹⁾ / 12 V ¹⁾
Voltage tolerance	
24 V	± 10% ²⁾
12 V	+ 10% / - 5% ²⁾
Nominal power consumption	4 W inrush power 1 W nominal holding power (internal power reduction)
Duty cycle	100% continuous rating
Installation	As required
Protection class	IP40
Switching frequency	max. 5 Hz ³⁾
Response times³⁾	Acc. DIN 12238
opening	ca. 10 ms (Pressure rise 0 ... 10%)
closing	ca. 13 ms (Pressure drop 100 ... 90%)

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

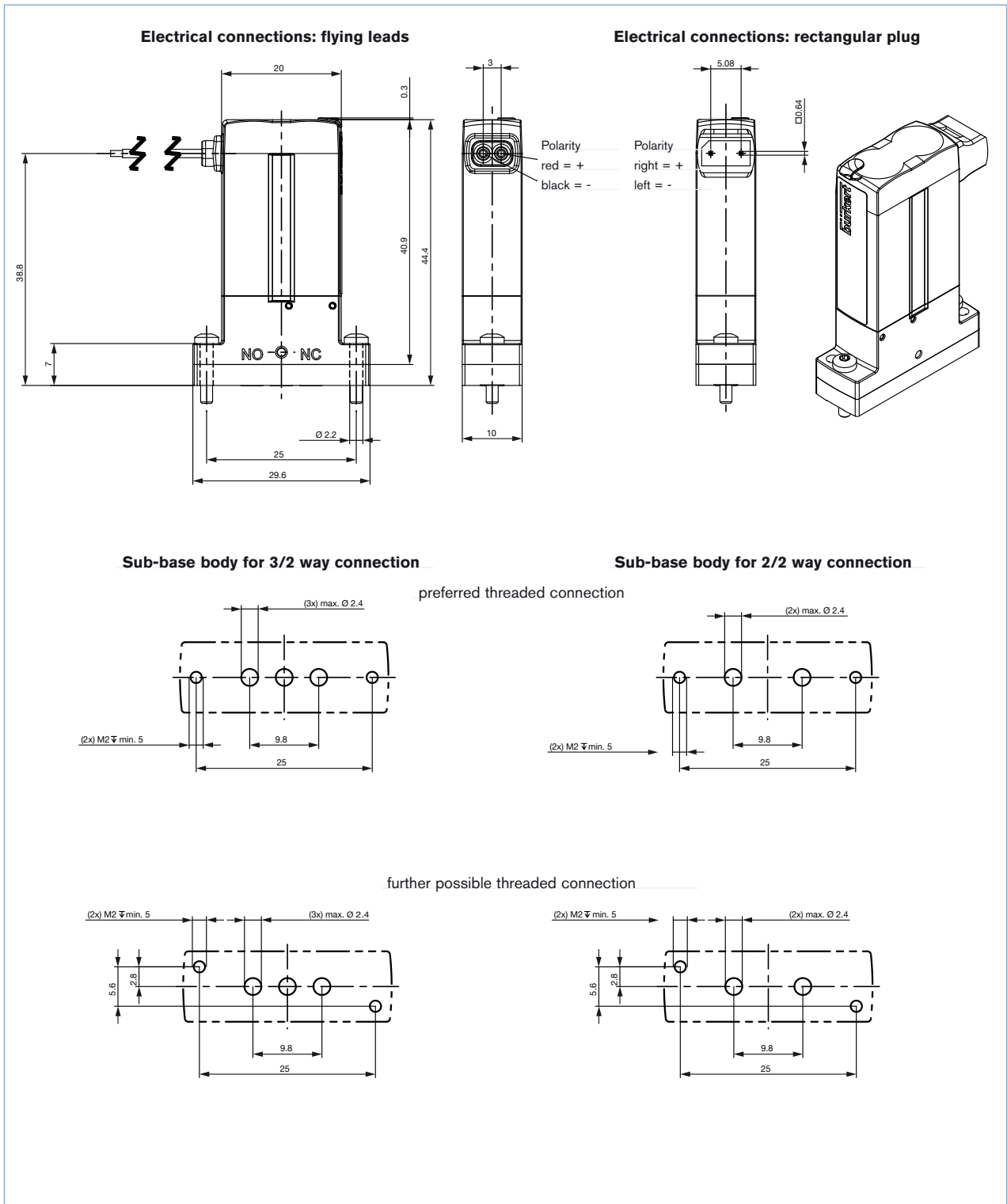
²⁾ Max. allowed ripple

³⁾ with ambient temperature of 20 °C

Dimensions [mm]

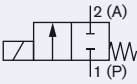


























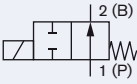


Dimensions [mm]



DTS 1000155774 EN Version: H Status: RL (released | freigegeben | valide) printed: 19.02.2018

Ordering chart (Sample of available versions. Others on request.)

Circuit function	Orifice [mm]	Port connection	K _v value water [m ³ /h] ¹⁾	Pressure range [bar] ²⁾	Max. pressure difference [bar]	Seal material	Body material	Electrical connection	Voltage/Frequency [V/Hz]	Article no.
A  2/2 way valve, NC	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Flying leads	12	241341 
	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Rectangular plug ³⁾	12	241398 
	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Flying leads	24	241342 
	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Rectangular plug ³⁾	24	241399 
	0.8	Sub-base	0.01	Vac...5	5	FFKM	PEEK	Flying leads	12	241344 
	0.8	Sub-base	0.01	Vac...5	5	FFKM	PEEK	Flying leads	24	227015 
	0.8	Sub-base	0.01	Vac...5	5	FKM	PPS	Rectangular plug ³⁾	12	241405 
	0.8	Sub-base	0.01	Vac...5	5	FKM	PPS	Flying leads	24	241351 
	0.8	UNF	0.01	Vac...5	5	FFKM	PEEK	Flying leads	24	241346 
	0.8	UNF	0.01	Vac...5	5	FKM	PEEK	Flying leads	24	241349 
	0.8	UNF	0.01	Vac...5	5	FKM	PEEK	Rectangular plug ³⁾	24	241404 
	1.6	Sub-base	0.04	Vac...2	2	EPDM	PPS	Rectangular plug ³⁾	12	241412 
	1.6	Sub-base	0.04	Vac...2	2	EPDM	PPS	Rectangular plug ³⁾	24	241413 
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Flying leads	12	241359 
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Rectangular plug ³⁾	24	229429 
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Flying leads	12	241367 
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Rectangular plug ³⁾	12	241424 
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Flying leads	24	241368 
	1.6	UNF	0.04	Vac...2	2	EPDM	PEEK	Rectangular plug ³⁾	24	241411 
	1.6	UNF	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	241361 
1.6	UNF	0.04	Vac...2	2	FKM	PEEK	Flying leads	24	241366 	
1.6	UNF	0.04	Vac...2	2	FKM	PEEK	Rectangular plug ³⁾	24	241423 	
1.6	Tube	0.04	Vac...2	2	EPDM	PEEK	Rectangular plug ³⁾	24	241409 	
1.6	Tube	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	237705 	
1.6	Tube	0.04	Vac...2	2	FKM	PEEK	Flying leads	24	241363 	
1.6	Tube	0.04	Vac...2	2	FKM	PEEK	Rectangular plug ³⁾	24	241421 	
B  2/2 way valve, NO	0.8	Sub-base	0.01	Vac...5	5	FFKM	PEEK	Flying leads	24	on request
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	on request
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Rectangular plug ³⁾	24	on request

Ordering chart, continued (Sample of available versions. Others on request.)

Circuit function	Orifice [mm]	Port connection	K _v value water [m ³ /h] ¹⁾	Pressure range [bar] ²⁾	Max. pressure difference [bar]	Seal material	Body material	Electrical connection	Voltage/Frequency [V/Hz]	Article no.
T	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Rectangular plug ³⁾	12	241428
	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Rectangular plug ³⁾	24	241429
	0.8	Sub-base	0.01	Vac...5	5	FFKM	PEEK	Flying leads	12	241373
	0.8	Sub-base	0.01	Vac...5	5	FFKM	PEEK	Flying leads	24	222936
	0.8	Sub-base	0.01	Vac...5	5	FKM	PPS	Flying leads	24	241379
3/2 way valve, universal version	0.8	Sub-base	0.01	Vac...5	5	FKM	PPS	Rectangular plug ³⁾	12	241435
	0.8	UNF	0.01	Vac...5	5	FFKM	PEEK	Flying leads	24	241375
	0.8	UNF	0.01	Vac...5	5	FKM	PEEK	Flying leads	24	241377
	0.8	UNF	0.01	Vac...5	5	FKM	PEEK	Rectangular plug ³⁾	24	241434
	1.6	Sub-base	0.04	Vac...2	2	EPDM	PPS	Rectangular plug ³⁾	12	241442
	1.6	Sub-base	0.04	Vac...2	2	EPDM	PPS	Rectangular plug ³⁾	24	241443
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Flying leads	12	239935
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	227815
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Rectangular plug ³⁾	24	229430
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Flying leads	12	241394
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Rectangular plug ³⁾	12	241453
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Flying leads	24	241395
	1.6	UNF	0.04	Vac...2	2	EPDM	PEEK	Rectangular plug ³⁾	24	241441
	1.6	UNF	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	241389
	1.6	UNF	0.04	Vac...2	2	FKM	PEEK	Rectangular plug ³⁾	24	241452
	1.6	UNF	0.04	Vac...2	2	FKM	PEEK	Flying leads	24	241393
	1.6	Tube	0.04	Vac...2	2	EPDM	PEEK	Rectangular plug ³⁾	24	241439
	1.6	Tube	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	241387
	1.6	Tube ⁴⁾	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	242320
	1.6	Tube	0.04	Vac...2	2	FFKM	PEEK	Rectangular plug ³⁾	24	241445
1.6	Tube	0.04	Vac...2	2	FKM	PEEK	Flying leads	24	241391	
1.6	Tube	0.04	Vac...2	2	FKM	PEEK	Rectangular plug ³⁾	24	241450	

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







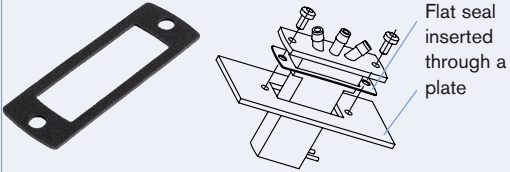

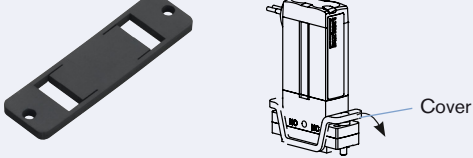
²⁾ Measured as overpressure with respect to atmospheric pressure.

³⁾ Rectangular cable plug with 300 mm flying leads; Article no. 644068 (order separately)

⁴⁾ Housing has a shield for easy separation of electronics and fluidics.

Mounting screws: 2 pieces of VA-screws M2 x 10 (supplied as standard)

Ordering chart accessories

Accessories	Features	Article no.
	Rectangular plug Type 2505 with 3 m cable	133486 
	Rectangular plug Type 2505 with 300 mm flying leads	644068 
	Rectangular plug Type 2505, single contact for individual mounting	644067 
 <p data-bbox="609 855 699 958">Flat seal inserted through a plate</p>	foamed EPDM gasket for tube connector housing with shield	685294 
 <p data-bbox="609 1144 667 1167">Cover</p>	EPDM dust protection	On request

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please consult for advice.Subject to alterations
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