



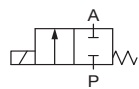
## 2/2 and 3/2-way Rocker Solenoid Valve for analytical applications

- 10 mm width
- Orifice DN0.8 to DN1.6 with pressure range vacuum to 5 bar
- Medium separation, for aggressive fluids
- Direct acting

Type 6624 combines the reliable and successful Rocker principle with a highly innovative new actuator. The 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.

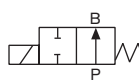
In the design of the 6624, the main benefits lie in its excellent cleanability and a high reliability. By using high performance materials the 6624 suits the handling of aggressive medium perfectly. The valve is available in a 2-way and 3-way version.

### Circuit function A



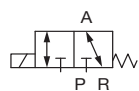
2/2-way valve, normally closed

### Circuit function B



2/2-way valve, normally open

### Circuit function T



3/2-way valve, universal function

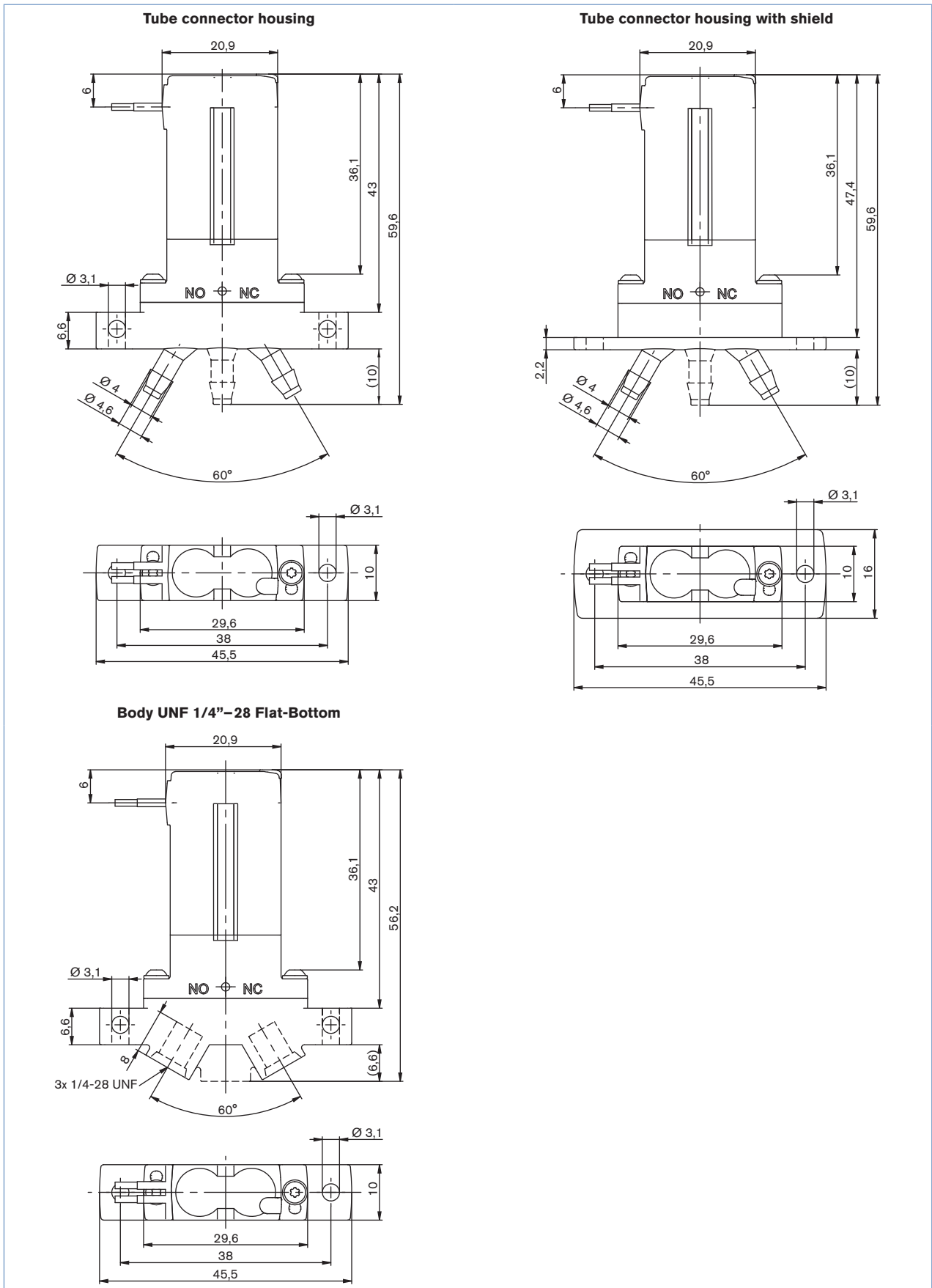
Technical Data	
<b>Orifice</b>	DN0.8 mm (Vac...5 bar), DN1.6 mm (Vac...2 bar)
<b>Body material</b>	PEEK / PPS
<b>Seal material</b>	FFKM / FKM / EPDM
<b>Medium</b>	Resistant to neutral and aggressive gases and liquids acc. to our chemical resistance chart
<b>Medium temperature</b>	
FFKM	+15...+50°C
FKM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

<sup>1)</sup> Battery voltage, observe polarity (red= +, black = -)

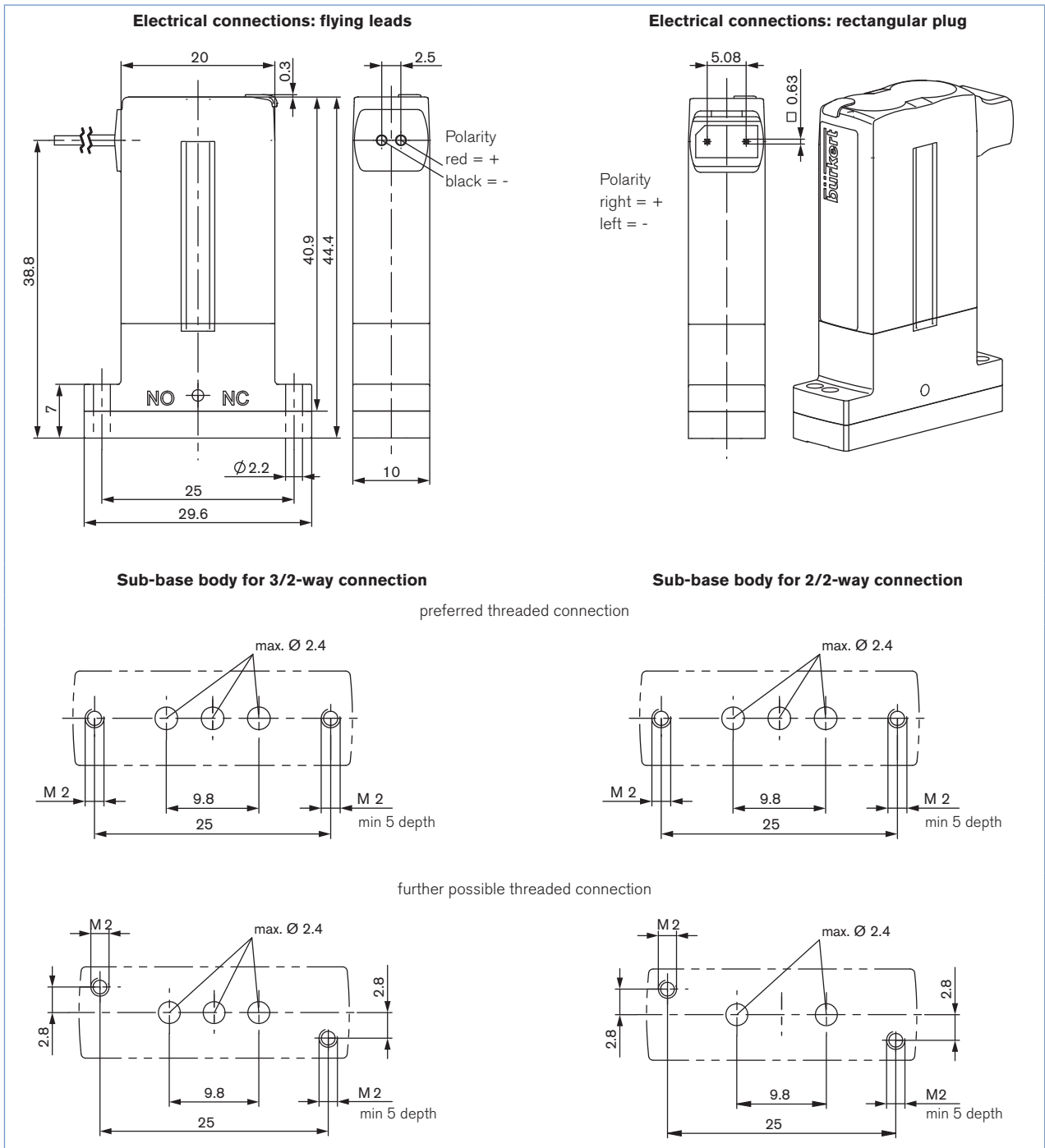
<sup>2)</sup> Max. allowed ripple

<sup>3)</sup> with ambient temperature of 20°C

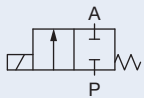

Dimensions [mm]



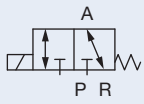
Dimensions [mm]



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

Circuit function	Orifice [mm]	Port connection	Kv value water [m <sup>3</sup> /h] <sup>1)</sup>	Pressure range [bar] <sup>2)</sup>	Max. pressure difference [bar]	Seal material	Body material	Electrical connection	Voltage/Frequency [V/Hz]	Item no.
<b>A</b>  2/2-way valve, NC	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Flying leads	12	241 341
	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Rectangular plug <sup>3)</sup>	12	241 398
	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Flying leads	24	241 342
	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Rectangular plug <sup>3)</sup>	24	241 399
	0.8	Sub-base	0.01	Vac...5	5	FFKM	PEEK	Flying leads	12	241 344
	0.8	Sub-base	0.01	Vac...5	5	FFKM	PEEK	Flying leads	24	227 015
	0.8	Sub-base	0.01	Vac...5	5	FKM	PPS	Rectangular plug <sup>3)</sup>	12	241 405
	0.8	Sub-base	0.01	Vac...5	5	FKM	PPS	Flying leads	24	241 351
	0.8	UNF	0.01	Vac...5	5	FFKM	PEEK	Flying leads	24	241 346
	0.8	UNF	0.01	Vac...5	5	FKM	PEEK	Flying leads	24	241 349
	0.8	UNF	0.01	Vac...5	5	FKM	PEEK	Rectangular plug <sup>3)</sup>	24	241 404
	1.6	Sub-base	0.04	Vac...2	2	EPDM	PPS	Rectangular plug <sup>3)</sup>	12	241 412
	1.6	Sub-base	0.04	Vac...2	2	EPDM	PPS	Rectangular plug <sup>3)</sup>	24	241 413
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Flying leads	12	241 359
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Rectangular plug <sup>3)</sup>	24	229 429
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Flying leads	12	241 367
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Rectangular plug <sup>3)</sup>	12	241 424
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Flying leads	24	241 368
	1.6	UNF	0.04	Vac...2	2	EPDM	PEEK	Rectangular plug <sup>3)</sup>	24	241 411
	1.6	UNF	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	241 361
1.6	UNF	0.04	Vac...2	2	FKM	PEEK	Flying leads	24	241 366	
1.6	UNF	0.04	Vac...2	2	FKM	PEEK	Rectangular plug <sup>3)</sup>	24	241 423	
1.6	Tube	0.04	Vac...2	2	EPDM	PEEK	Rectangular plug <sup>3)</sup>	24	241 409	
1.6	Tube	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	237 705	
1.6	Tube	0.04	Vac...2	2	FKM	PEEK	Flying leads	24	241 363	
1.6	Tube	0.04	Vac...2	2	FKM	PEEK	Rectangular plug <sup>3)</sup>	24	241 421	
<b>B</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 <sup>3)</sup>	24	on request

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

Circuit function	Orifice [mm]	Port connection	Kv value water [m <sup>3</sup> /h] <sup>1)</sup>	Pressure range [bar] <sup>2)</sup>	Max. pressure difference [bar]	Seal material	Body material	Electrical connection	Voltage/Frequency [V/Hz]	Item no.
<b>T</b>	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Rectangular plug <sup>3)</sup>	12	241 428
	0.8	Sub-base	0.01	Vac...5	5	EPDM	PPS	Rectangular plug <sup>3)</sup>	24	241 429
	0.8	Sub-base	0.01	Vac...5	5	FFKM	PEEK	Flying leads	12	241 373
	0.8	Sub-base	0.01	Vac...5	5	FFKM	PEEK	Flying leads	24	222 936
	0.8	Sub-base	0.01	Vac...5	5	FKM	PPS	Flying leads	24	241 379
3/2-way valve, Universal version	0.8	Sub-base	0.01	Vac...5	5	FKM	PPS	Rectangular plug <sup>3)</sup>	12	241 435
	0.8	UNF	0.01	Vac...5	5	FFKM	PEEK	Flying leads	24	241 375
	0.8	UNF	0.01	Vac...5	5	FKM	PEEK	Flying leads	24	241 377
	0.8	UNF	0.01	Vac...5	5	FKM	PEEK	Rectangular plug <sup>3)</sup>	24	241 434
	1.6	Sub-base	0.04	Vac...2	2	EPDM	PPS	Rectangular plug <sup>3)</sup>	12	241 442
	1.6	Sub-base	0.04	Vac...2	2	EPDM	PPS	Rectangular plug <sup>3)</sup>	24	241 443
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Flying leads	12	239 935
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	227 815
	1.6	Sub-base	0.04	Vac...2	2	FFKM	PEEK	Rectangular plug <sup>3)</sup>	24	229 430
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Flying leads	12	241 394
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Rectangular plug <sup>3)</sup>	12	241 453
	1.6	Sub-base	0.04	Vac...2	2	FKM	PPS	Flying leads	24	241 395
	1.6	UNF	0.04	Vac...2	2	EPDM	PEEK	Rectangular plug <sup>3)</sup>	24	241 441
	1.6	UNF	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	241 389
	1.6	UNF	0.04	Vac...2	2	FKM	PEEK	Rectangular plug <sup>3)</sup>	24	241 452
	1.6	UNF	0.04	Vac...2	2	FKM	PEEK	Flying leads	24	241 393
	1.6	Tube	0.04	Vac...2	2	EPDM	PEEK	Rectangular plug <sup>3)</sup>	24	241 439
	1.6	Tube	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	241 387
	1.6	Tube <sup>4)</sup>	0.04	Vac...2	2	FFKM	PEEK	Flying leads	24	242 320
	1.6	Tube	0.04	Vac...2	2	FFKM	PEEK	Rectangular plug <sup>3)</sup>	24	241 445
1.6	Tube	0.04	Vac...2	2	FKM	PEEK	Flying leads	24	241 391	
1.6	Tube	0.04	Vac...2	2	FKM	PEEK	Rectangular plug <sup>3)</sup>	24	241 450	

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




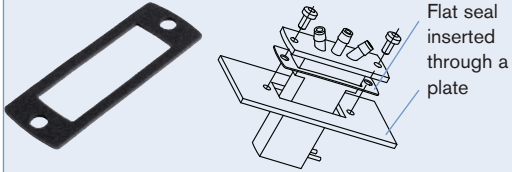
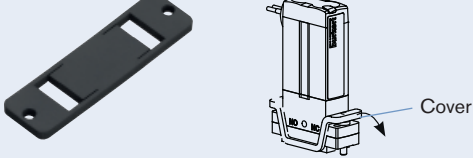
<sup>2)</sup> Measured as overpressure with respect to atmospheric pressure.

<sup>3)</sup> Rectangular cable plug with 300 mm flying leads; Item no. 644068 (order separately)

<sup>4)</sup> 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	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
 <p data-bbox="609 855 699 958">Flat seal inserted through a plate</p>	foamed EPDM gasket for tube connector housing with shield	685 294
 <p data-bbox="609 1144 667 1167">Cover</p>	EPDM dust protection	On request

To find your nearest Bürkert office, click on the orange box →

[www.burkert.com](http://www.burkert.com)
In case of special application conditions,  
please consult for advice.Subject to alterations  
© Christian Bürkert GmbH & Co. KG

1510/5\_EU-en\_00895183