bürkert
FLUID CONTROL SYSTEMS

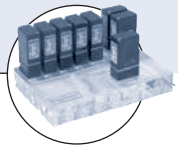
2/2 or 3/2 way direct acting rocker solenoid valve

- With isolating diaphragm
- Ultra low dead volume
- High back-pressure tightness
- Normally closed, normally open or universal function
- 16mm width/station

Type 6126 can be combined with...

Type 2506
Cable plug Form C

Type 2505
Rectangular cable plug



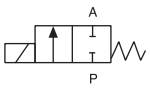
Manifolds

The direct-acting rocker solenoid valve, Type 6126, is suitable for general applications in which compressed air, gases or slightly contaminated liquids are to be switched.

The medium is in contact exclusively with the housing material and the FKM seals. The heat input in the medium is minimal, because the housing is separated from the coil by a stainless steel plate.

The valves can be mounted directly or also single or manifold mounted. They are used for dosing, filling, mixing and distributing small quantities of medium.

Circuit function A



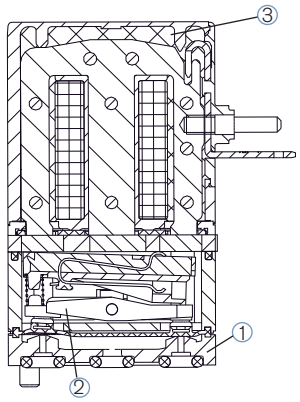
2/2-way-valve normally closed

Circuit function T

3/2-way-valve universal function

Technical data			
Orifice	DN 0.8 mm, other orifices on request		
Body material	PPS		
Seal material	FKM, EPDM		
Medium	Resistant to neutral liquids and gases, see Bürkert chemical resistance chart		
Medium temperature	DN 0.8 DN 0.8 DN 1.2 & 1.6	FKM EPDM FKM/EPDM	= 0 to +50 °C = -10 to +50 °C = +10 to +50 °C
Ambient temperature	Max +55 °C		
Viscosity	Max 21mm²/S		
Internal volume with sub-base on request	Depending on body 68 µl < 10 µl		
Operating temperature	12 and 24V/DC; other Voltages on request		
Voltage tolerance	± 10%		
Power consumption	3.4 W		
Duty cycle	continuous rating 100% ED		
Electrical connection	Cable plug Type 2505 Tag connector acc. DIN 43650 C for Cable plug Type 2506 above 2 FEP-Flying leads, AWG24, 500mm long Circular connector and Tag connector to side on request		
Protection class	IP 65 with flying leads or cable plug IP 40 with Rectangular plug		
Installation	as required, preferably with actuator upright		
Response times Opening Closing	acc. ISO 12238:2001; Measured at valve outlet at 2 bar and +20 °C approx 25 ms (Pressure range 0 to 10%) approx 25 ms (Pressure range 100 to 10%)		

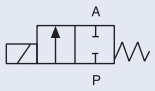
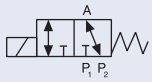
Materials



①Valve body:	PPS
②Seal:	FKM, EPDM
③Coil body:	Epoxy

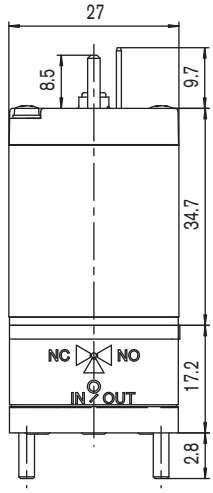
Ordering chart for Typ 6126 (other versions on request)

All Valves with Bürkert sub-base, Tag connector without cable plug

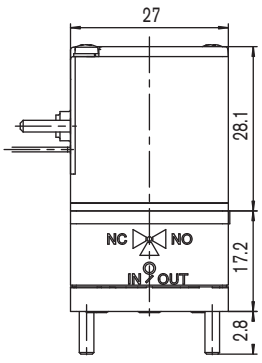
Circuit function	Orifice [mm]	Kv value water [m³/h]	Kv value water [l/min]	Q_{Nn} value air [l/min]	Pressure range [bar]	Seal material	Electrical connection	Voltage/ frequency [V/Hz]	Item no.
A 2/2-way-valve NC 	0.8	0.01	0.17	11	Vac 0-6	FKM	Tag connector to side	012/DC	139 151
								024/DC	139 088
							Rectangular plug	024/DC	139 236
						EPDM	Tag connector to side	012/DC	139 154
								024/DC	139 155
T 3/2-way valve, universal version 	0.8	0.01	0.17	11	Vac 0-6	FKM	Tag connector to side	012/DC	139 158
								024/DC	139 159
							Rectangular plug	024/DC	139 237
						EPDM	Tag connector to side	012/DC	139 162
								024/DC	139 163

Dimensions [mm]

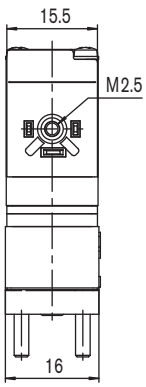
Valves with Bürkert sub-base



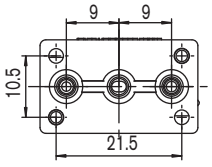
Tag connector above



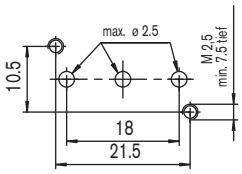
Tag connector to side



bottom view



Flange interface for manifold

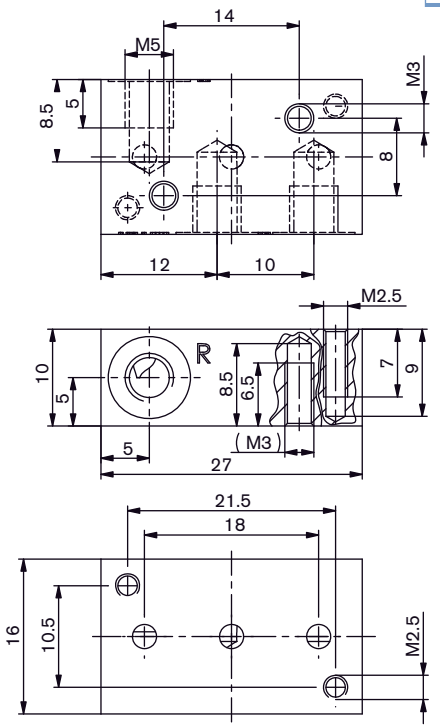


The middle connector is not applicable on 2/2 way function

Single manifold for Bürkert sub-base [mm]

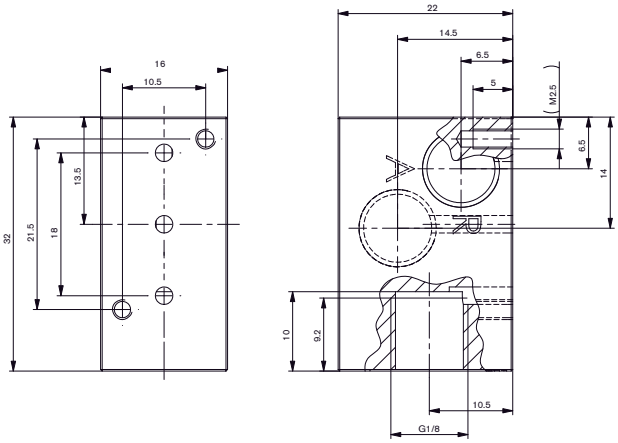
Manifold off aluminium, black anodized,
Port connection M5

Item no.
623 873



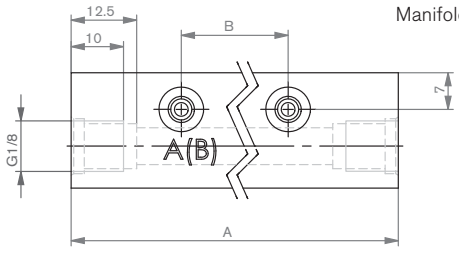
Manifold off aluminium, black anodized,
Port connection G 1/8

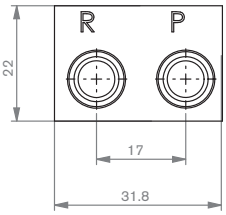
Item no.
634 917

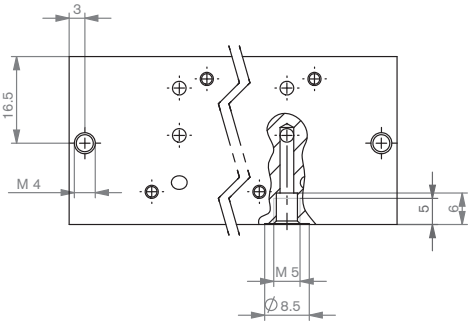


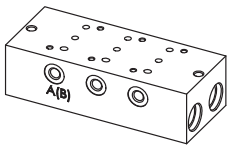
Multiple manifold for Bürkert sub-base 3-way [mm]

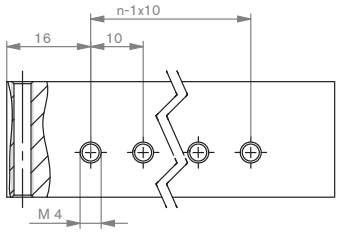
Manifolds off aluminium







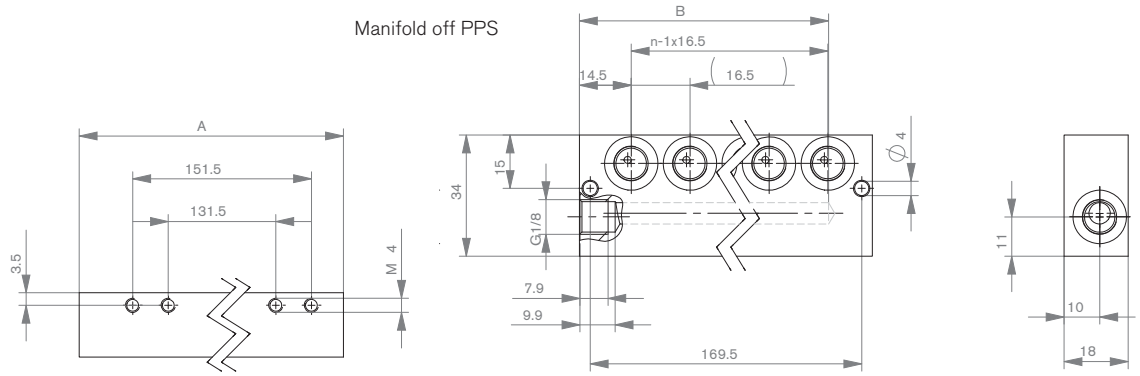


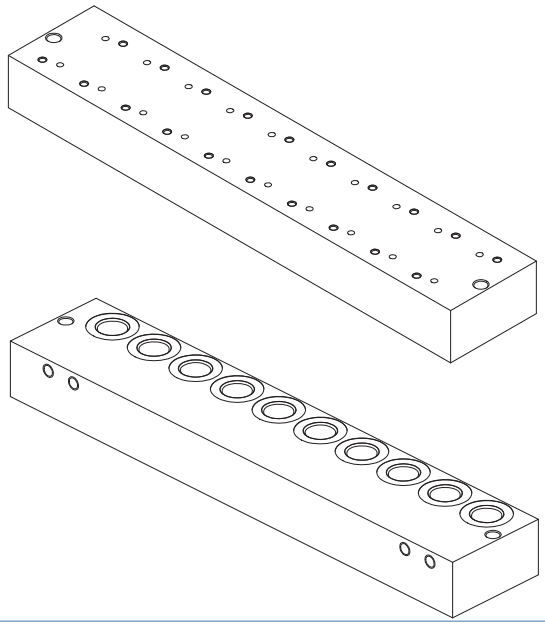


Manifold	A	B	n	Item no.
2 valves	60	18	2	658 695
3 valves	78	36	3	658 696
4 valves	96	54	4	658 697
5 valves	114	72	5	658 698
6 valves	132	90	6	658 699
8 valves	168	126	8	658 700
10 valves	204	162	10	658 701
12 valves	240	198	12	658 703

Multiple manifold for Bürkert sub-base 2-way [mm]

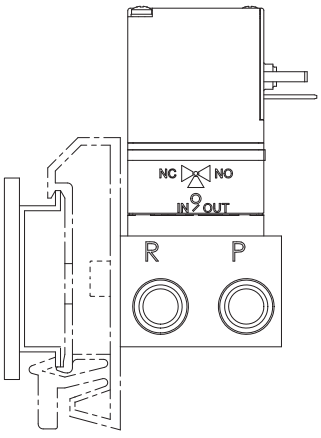
Manifold off PPS





Manifold	A	Item no.
2 valves	43.5	675 628
3 valves	60.0	675 629
4 valves	76.5	675 630
5 valves	93.0	675 631
6 valves	109.5	675 632
7 valves	126.0	675 633
8 valves	142.5	675 634
9 valves	159.0	675 635
10 valves	175.5	675 636

Valve block with Bürkert sub-base and DIN-rail



mounting kit, complete for standard rail TS35 x 7.5 mm

Item no.
629 254

Ordering chart for accessories

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

	Cable plug Type 2506	Voltage	Item no.
	without circuit	0-250V/UC	008 353
	with LED	12-24V/DC	008 402
	with LED and varistor	12-24V/DC	008 408
	with rectifier, LED and varistor	12-24V/UC	008 354

Cable plug type 2505

	Type 2505 Cable version	Item no.
	with 3m cable	133 486
	with 5m cable	167 494
	Type 2505 Flying leads version	**Item no.**
	with 300mm	644 068
	with 600mm	162 144

i Further versions on request

Additional

Fittings and tubes (please see type 1013-AA 05)