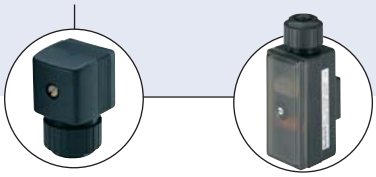
bürkert
FLUID CONTROL SYSTEMS

2/2-way Solenoid Valve for neutral media



- Direct acting
- With hermetic isolation of fluid
- With manual override
- NC and NO circuit function
- Optional with electrical position feedback

Type 0223 can be combined with...



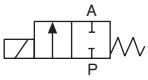
Type 2508
Cable plug

Type 1078
Timer unit

The direct-acting valve, Type 0223, is delivered with circuit function, normally closed and normally open . The solenoid actuator is separated from the medium by a double PTFE seal with a small ventilated space.The valve is used for shut-off, dosing, filling and ventilating medium where low pressures are applicable; also suitable for use in technical vacuum.

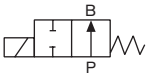
Circuit function A

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



Circuit function B

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



Technical data	
Body material	Brass
Seal materials	NBR, FKM
Medium with NBR with FKM	 Neutral liquids e.g. compressed air, water, hydraulic oil, oils and fats without additives, technical vacuum Hot air, per-solution, hot oil, oils with additives, technical Vacuum
Medium temperature with NBR with FKM	 -10 up to +90 °C -10 up to +130 °C
Ambient temperature	Max. +50 °C
Viscosity	100 to 21 mm^2/s
Operating voltages on request	24/230 V 50 Hz 24/230 V UC 230 V UC Other Voltages
Voltage tolerance	±10%
Cycling rate	Max. 6/min with UC
Duty cycle	ED 100%
Electrical connection	Cable Plug (supplied as standard)
Protection class	IP65 with Cable Plug
Coil insulation class	H
Installation	As required, preferably with actuator upright

Response times [ms]: Opening Closing	Measured at valve outlet at 6 bar and +20°C. Pressure relief 0 90% Pressure relief 100 to 10%

Flow rate: Kv value water [m3/h]
Measured at +20 °C, 1 bar pressure at valve inlet and free outlet.
Pressure values [bar]
Measured as overpressure to the atmospheric pressure

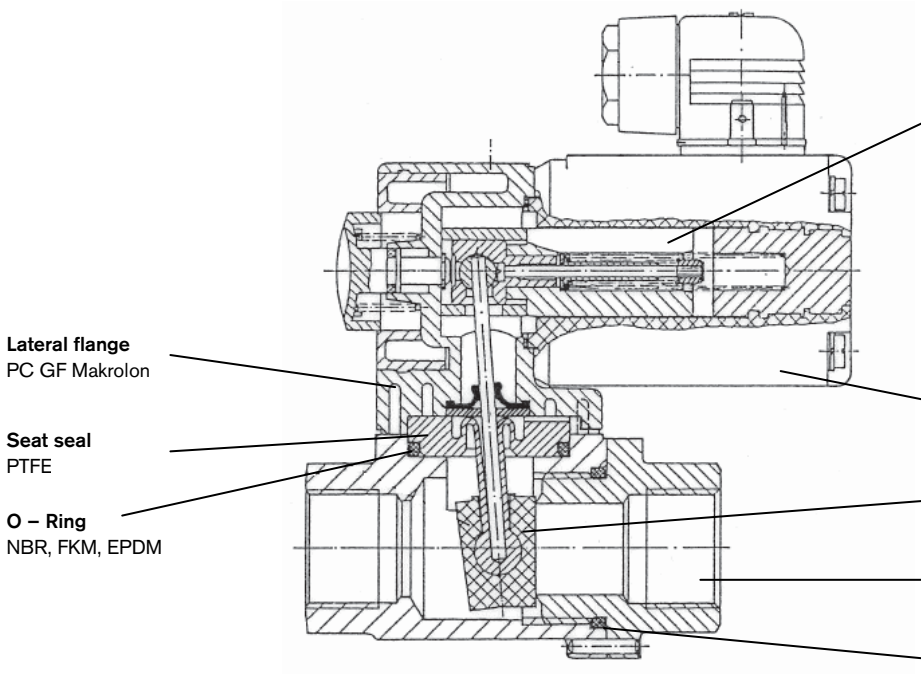
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Technical data *(fort.)*

Orifice [mm]	Kv value water [m³/h]	Port connection	Pressure range [bar]	Electrical power consumption	Inrush	[VA]	Response times Opening	closed	Weight [kg]
10	2.0	G 3/8	0-3	AC UC	100 VA 100 W	48 VA (16 W)9 W	10 to 20	40 to 60	1.4
15	4.5	G 1/2	0-1						
20	6.0	G 3/4	0-0.5 *						

* not suitable for vakuum operations

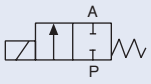
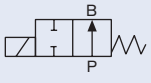
Materials



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Ordering chart for valves (other versions on request)

All valves with manual override, brass body, and with cable plug

Circuit function	Orifice [mm]	Port connection	Kv value water [m3/h]	Pressure range [bar]	Seal material	Voltage/ Frequency [V/Hz]	Item no.
A 	10	G 3/8	2.0	0-3	NBR	24/UC	057 475
						24/50	043 047
						230/50	053 059
					FKM	24/UC	054 053
						24/50	048 664
						230/50	044 502
	15	G 1/2	4.5	0-1	NBR	24/UC	054 102
						24/50	062 865
						230/50	052 221
					FKM	24/UC	025 537
						230/50	040 549
	20 *	G 3/4	6.0	0-0.5	NBR	24/UC	049 751
						24/50	063 602
						230/50	048 490
					FKM	24/UC	069 752
						24/50	048 662
						230/50	048 622
B 	10	G 3/8	2.0	0-2	NBR	24/UC	059 208
						230/50	051 685
					FKM	24/UC	062 679
						230/50	057 458
	15	G 1/2	4.5	0-1	NBR	24/UC	058 371
						230/50	046 466
					FKM	24/UC	059 360
						230/50	122 747
	20 *	G 3/4	6.0	0-0.5	NBR	24/UC	050 461
						230/50	053 807
					FKM	24/UC	067 856
						230/50	049 527

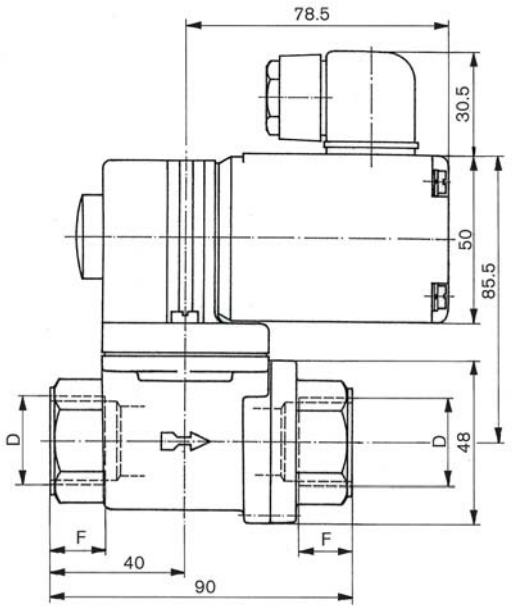
* versions with orifice 20mm are not suitable for vacumm

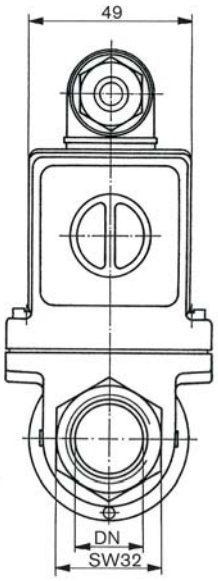
Further versions on request

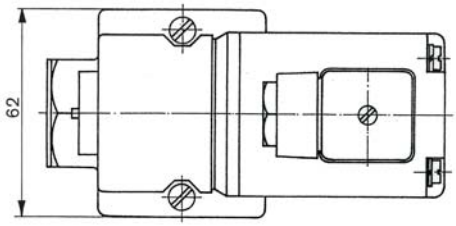
Electrical connection
with electrical position feedback

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Dimensions [mm]







DN	D	F
10	G 3/8	12
15	G 1/2	14
20	G 3/4	16

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

Subject to alterations
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