



Direct-acting 2/2- or 3/2-way pivoted armature valve

- Direct-acting, media-separated valve with diameter of up to DN 5
- Maintenance-free pivoted armature technology
- Vibration-proof, block screwed coil system
- Suitable for aggressive alkaline and acidic solutions
- Service-friendly, robust manual operation
- Explosion proof versions

The 0330 valve is a direct-acting, media-separated pivoted armature valve. It is available in 3/2- and 2/2-way versions. As a 3/2-way version, it can be used as a distributor or mixing valve. Various diaphragm material combinations and methods of operation are available depending on the application. The standard brass housing satisfies all European drinking water requirements. Stainless steel (316), PVDF, and polypropylene housing versions complete the offering. The solenoid coils are moulded with a chemically resistant epoxy. The 0330 is equipped with manual override for commissioning and testing. For reduced energy requirements all coils can be delivered with electronic power reduction or as an impulse version. The switching status can be indicated with position feedback as a binary or NAMUR signal. In combination with a plug in accordance with DIN EN 17301-803 Form A, the valves satisfy protection class IP65/67 - in combination with a stainless steel or plastic housing NEMA 250 Cat. 4X.

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Explosion proof version

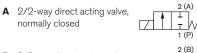
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hydraulic oil, oils and fats without additives, oxygen Alkalis, acids to medium concentrations, alkaline washing and bleaching lyes Oxydizing acids and substances, hot oils with additives, salt solutions, waste gases, oxygen aggressive mediums, hot air, hot oils All Materials - For more exact info. please refer to our chemical resistance chart Medium temperature for body material brass or stainless steel FKM 0 to +80 °C FFKM +5 to +90 °C FFKM +5 to +90 °C Medium temperature for body material PP or PVDF FKM 0 to +80 °C FFKM 0 to +80 °C FFKM +5 to +80 °C Viscosity Max. 37mm²/s Ambient temperature max. +55 °C Voltages 24V 50Hz; 110V 50Hz; 230V 50Hz; 120V 60Hz; 240V 60Hz; 12V DC; 24V DC; (further voltages on request) Voltage tolerance +/- 10% Duty cycle for brass and stainless steel. Duty cycle for PP and PVDF 40% ED (60% intermittent operation) in 30min for 8W	Technical data	
PP (Polypropylene) PVDF (Polyvinylfluoride) G 1/4; NPT 1/4; Connection (RC 1/4 and G 1/8 on request) Seal material EDPM / FKM / NBR Medium for NBR Neutral medium such as compressed air, town gas, water, hydraulic oil, oils and fats without additives, oxygen Alkalis, acids to medium concentrations, alkaline washing and bleaching lyes Oxydizing acids and substances, hot oils with additives, salt solutions, waste gases, oxygen aggressive mediums, hot air, hot oils All Materials - For more exact info. please refer to our chemical resistance chart Medium temperature for body material EPDM -30 to +90 °C FFKM 0 to +90 °C FFKM +5 to +90 °C FFKM +5 to +90 °C Medium temperature NBR 0 to +80 °C FFKM +5 to +80 °C FFKM 0 to +80 °C FFKM +5 to +80 °C FFKM +5 to +80 °C Viscosity Max. 37mm²/s Ambient temperature Max. 455 °C Voltages 24V 50Hz; 110V 50Hz; 230V 50Hz; 120V 60Hz; 240V 60Hz; 12V DC; 24V DC; (further voltages on request) Voltage tolerance +/- 10% Duty cycle for brass and stainless steel. Duty cycle for PP and PVDF 40% ED (60% intermittent operation) in 30min for 8W	Available housing materials	Brass
PVDF (Polyvinylfluoride) Port G 1/4; NPT 1/4; (RC 1/4 and G 1/8 on request) Seal material EDPM / FKM / FFKM / NBR Medium for NBR Neutral medium such as compressed air, town gas, water, hydraulic oil, oils and fats without additives, oxygen Alkalis, acids to medium concentrations, alkaline washing and bleaching lyes Oxydizing acids and substances, hot oils with additives, salt solutions, waste gases, oxygen aggressive mediums, hot air, hot oils All Materials - For more exact info. please refer to our chemical resistance chart Medium temperature for body material EPDM -30 to +80 °C FFKM 0 to +90 °C FFKM 15 to +90 °C FFKM 0 to +80 °C FFKM 15 to +80 °C		Stainless steel (1.4401)
Port Connection G 1/4; NPT 1/4; (RC 1/4 and G 1/8 on request) Seal material EDPM / FKM / FFKM / NBR Medium for NBR Neutral medium such as compressed air, town gas, water, hydraulic oil, oils and fats without additives, oxygen Alkalis, acids to medium concentrations, alkaline washing and bleaching lyes for FKM Oxydizing acids and substances, hot oils with additives, salt solutions, waste gases, oxygen aggressive mediums, hot air, hot oils All Materials - For more exact info. please refer to our chemical resistance chart Medium temperature NBR 0 to +80 °C EPDM -30 to +90 °C FKM 0 to +90 °C FKM 0 to +90 °C FKM 0 to +80 °C Wedium temperature NBR 0 to +80 °C EPDM -30 to +80 °C FKM 0 to +80 °C Viscosity Max. 37mm²/s Ambient temperature max. +55 °C Voltages 24V 50Hz; 110V 50Hz; 230V 50Hz; 120V 60Hz; 240V 60Hz; 12V DC; (further voltages on request) Voltage tolerance +/- 10% Duty cycle for PP and PVDF 40% ED (60% intermittent operation) in 30min for 8W		PP (Polypropylene)
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stainless steel. Duty cycle for PP and PVDF 40% ED (60% intermittent operation) in 30min for 8W	Voltage tolerance	
Duty cycle for PP and PVDF 40% ED (60% intermittent operation) in 30min for 8W		100%
	stainless steel.	
	Duty cycle for PP and PVDF	40% ED (60% intermittent operation) in 30min for 8W
VEISION TOUGH ED HOLD VEISION	• •	version 100% ED for 5W version



Circuit function

exhausted



- **B** 2/2-way direct acting valve, normally open
- C 3/2-way valve, direct acting, when de-energised Port A
- D 3/2-way valve, servo-assisted, outlet B normally pressurized
- E Mixer valve, direct-acting, in de-energized position, P2→A open, P1 closed
- F Distribution valve, direct-acting, in de-energized positon, P→B open, A closed
- **T** 3/2 way valve, universal function, flow direction as required



2(B)

1(P) 3(R)

4(A) 2(B)

<u>Z</u>w

Technical data (continued)

Electrical connection	Pin terminal acc. to DIN EN 175301-803 Form A for cable
	pug Type 2508/2509
	(also on request with moulded cable or terminal box)
Protection class	IP65 with Cable Plug
Coil insulation class	Н
Installation	As required, preferably with actuator upright
Weight [kg]	
with metal body	0.47
with plastic hausing	0.40

Standard power consumption

Frequency AC Inrush [VA]	Hold [VA]	Operation [W]	Frequency DC Cold [W]	Warm [W]
30	15	8	11	8

Impulse (inrush winding)

Frequency AC Hold [VA]	Operation [W]	Frequency DC Cold [W]	Warm [W]
20	11	11	8

Response times

Orifice [mm]	Frequency AC		Frequency DC				
	Opening [ms]	Closing [ms]	Opening [ms]	Closing [ms]			
2-4	8-15	8-15	10-20	10-20			

Response times [ms]:

Measured at valve outlet at 6 bar and +20 °C

Opening: Pressure rise 0 to 90%, Closing: Pressure drop 100 to 10%

Pressure range and flow rate for metal body

Circuit function	DN	Kv value w	ater [m³/h]:	Sta	ndard ¹⁾	Impulse 2)
		DC	AC [50 or 60Hz]	Pressure range 4) [bar]	Vacuum ³⁾ Pressure range ⁴⁾ [bar]	Pressure range 4) [bar]
A/B/C/D/F	2.0	0.08	0.11	0 - 16 5)	-0.98 - 10	0 - 16 5)
	3.0	0.14	0.18	0 - 10	-0.98 - 6	0 - 10
	4.0	0.17	0.23	0 - 5	-0.98 - 3	0 - 5
	5.0	0.29	0.29	0 - 2.5	-0.98 - 1	0 - 2.5
Е	2.0	0.08	0.11	0 - 10	-0.98 - 8	0 - 10
	3.0	0.14	0.18	0 - 6	-0.98 - 5	0 - 6
	4.0	0.17	0.23	0 - 3	-0.98 - 2.5	0 - 3
	5.0	0.29	0.29	0 - 1.5	-0.98 - 1	0 - 1
T	2.0	0.08	0.11	0 - 12	-0.98 - 8	0 - 10
	3.0	0.14	0.18	0 - 8	-0.98 - 5	0 - 6
	4.0	0.17	0.23	0 - 4	-0.98 - 2.5	0 - 5
	5.0	0.29	0.29	0 - 2.5	-0.98 - 1	-

Pressure range and flow rate for plastic body

Circuit function	DN	Kv value water [m³/h]	Standard ¹⁾ Pressure range ⁴⁾ [bar] AC [50 or 60Hz]	Pressure range ⁴⁾ [bar] DC	Vacuum Pressure range ⁴⁾ [bar]	Impulse ²⁾ Pressure range ⁴⁾ [bar]
A/B/C/D/F	2.0	0.13	0 - 16 5)	0 - 12	-0.98 - 10	0 - 12
	3.0	0.25	0 - 10	0 - 8	-0.98 - 6	0 - 8
	4.0	0.30	0 - 5	0 - 4	-0.98 - 3	0 - 4
	5.0	0.40	0 - 4.5	0 - 3.5	-0.98 - 1	0 - 3
E/T	2.0	0.13	0 - 10	0 - 7	-0.98 - 7	0 - 7
	3.0	0.25	0 - 6	0 - 4	-0.98 - 5	0 - 4
	4.0	0.30	0 - 3	0 - 2	-0.98 - 2.5	0 - 2

¹⁾ Rated power consumtion 8W

²⁾ Inrush power 11W

³⁾ Vacuum possible for all seal materials

⁴⁾ Pressure values [bar] with respect to atmospheric pressure

⁵⁾ For seal material FKM and FFKM the max. mediums pressure is 12 bar



Other circuit functions

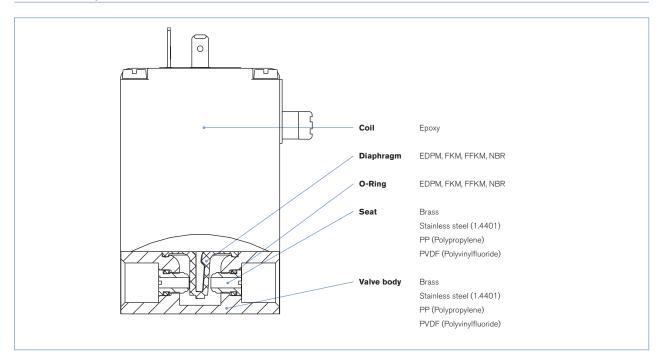
The valves are fitted with different springs for a specific circuit function. When used in other circuit functions the permissable operating pressure changes acc. to the following table.

Metal body	Metal body (8W respectively 11W)																	
Circuit																		
function	Orific	e 2mm	l .				Orific	e 3mm					Orific	e 4mm				
	A1)	B ¹⁾	С	D	Е	F	Α	В	С	D	E	F	Α	В	С	D	E	F
С	16	1.5	16	1.5	1.5	16	10	1	10	1	1	10	5	0.8	5	0.8	0.8	5
D	4	16	4.5	16	4	4	2.5	10	2.5	10	2	3	2	5	2	5	2	2
T	8	8	10	10	10	8	6	6	6	6	6	6	3	3	3	3	3	3

Plastic boo	Plastic body (8W respectively 11W)																	
Circuit																		
function	Orific	e 2mm					Orific	e 3mm					Orifice 4mm					
	A ¹⁾	B 1)	С	D	E	F	Α	В	С	D	Е	F	Α	В	С	D	Е	F
С	16	1.5	16	1.5	1.5	16	10	1	10	1	1	10	5	0.8	5	0.8	0.8	5
D	4	16	4.5	16	4	4	2.5	10	2.5	10	2	3	2	5	2	5	2	2
F	16	1.5	10	1.5	1.5	16	6	1	6	1	1	10	4	1	4	1	1	5

¹⁾ For circuit function A and B the valve must be connected acc. to the pin assignment of 3/2-way valve.

Additional options



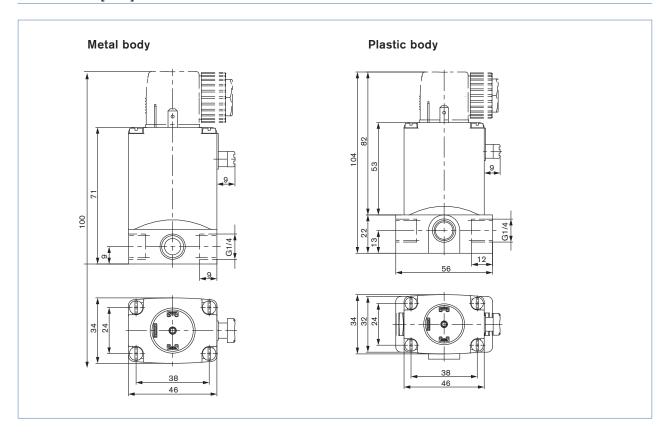


Additional options

Option	Variable Code	Description
Impulse version	CF02	Bistable magnetic system with inrush and drop-off coil;Continuous operation or operation with short current pulses (min. 150 ms) possible
Oxygen versions	NL02	Suitable for applications with oxygen (non-metal materials that are in contact with the medium, are tested and approved according to BAM)
Increased purity requirements e.g. oil, grease and silicone-free	NL50/NL05	Wetted parts are specially cleaned and packaged in accordance with the valves
Increased tightness requirements	PCxx	Standard units are tested at 10 ⁻² mbar x I / sec; feasible up to 10 ⁶ mbar
Electrical feedback	LF02 / LF03	See Type 1060
High-power electronics	CZ05	Inrush power 60 W, nominal holding current 3 W; with plastic versions 100% ED is now feasible
Vacuum version	NA02	Suitable for vacuums up to -0.98bar
Increased purity and tightness requirements	NA03	Wetted parts are specially cleaned and leak tested to 10 ⁻⁴ mbar x l/sec
Increased purity and tightness requirements and vacuum version	NA01	Wetted parts are specially cleaned and leak tested up to 10 ⁻⁴ mbar x l/sec and suited for vacuum up to -0.98 bar
Coil with reduced power (5W)		Devices have lower pressure range; with plastic versions 100% ED is now feasible
Cable plug	JFxx / JGxx	Cable plug is included in delivery. Cable plug versions (acc. to DIN EN 175301-803 Form A), see datasheet Type 2508 and 2509
Approvals	PD01	CSA General Purpose valve
	PD02	CSA General Purpose valve UL recognized General Purpose valve
	PD24	UL listed Genaral Purpose valve CSA Genaral Purpose valve FM non-incendive for class I / II / III Div.2 T4
	PD45	FM explosionproof for class I Div. 1 and dust-ingnitionproof for class II / III Div. 1 T4 CSA General Purpose valve for hazardous location class I / II Div. 2 and class III T4
	PD07	DNV-GL (formerly Germanischer Lloyd)
possible conformities (depending on the assembly)		EAC, trinking water, FDA

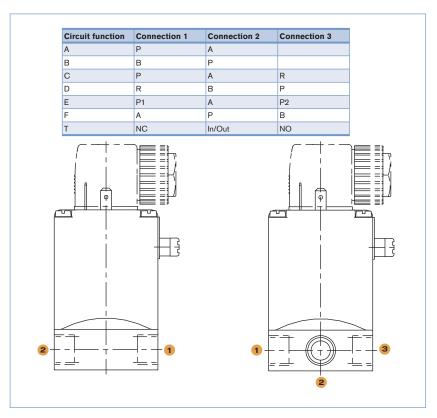
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Dimensions [mm]



Port connections

The connections marked with 1, 2 and 3 are labelled in the drawing according to the circuit function table.





Ordering chart (products with reduced delivery time)

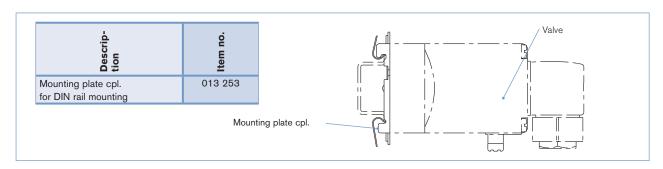
All devices with connection thread G 1/4, manual override and cable plug Type 2508

	1 connection thre	, , , , , , , , , , , , , , , , , , , ,		per voltage/frequer	ncy [V/Hz]	
Circuit	Orifice [mm]	Seal Material	Housing or seat material	024/DC	024/50	230/50
A 2)	3.0	FKM	Brass	020 293	022 883	124 909
	3.0	FKM	Stainless steel	020 292	023 984	024 563
	3.0	FKM	PP	018 410	088 496	045 653
	3.0	FKM	PVDF	018 188	020 286	069 006
	3.0	NBR	Brass	020 294	086 553	024 902
	3.0	EPDM	PP	067 214	022 105	062 398
	4.0	FKM	Brass	024 019	025 246	124 912
	4.0	FKM	Stainless steel	018 276	018 857	020 873
	4.0	FKM	PP	062 695	043 005	063 116
	4.0	FKM	PVDF	023 472	069 079	087 837
	4.0	NBR	Brass	025 084	-	046 007
	4.0	EPDM	PP	021 660	067 731	063 118
	4.0	EPDM	PVDF	057 573	-	125 507
	5.0	FKM	PP	062 624	067 007	022 619
	5.0	FKM	PVDF	064 512	-	063 786
	5.0	EPDM	PP	061 321	054 261	049 969
	5.0	EPDM	PVDF	120 184	059 802	130 117
B 2)	3.0	FKM	Brass	141 917	130 146	141 919
	4.0	FKM	Brass	141 920	141 921	141 923
	3.0	FKM	Stainless steel	141 928	141 929	141 931
	4.0	FKM	Stainless steel	141 932	141 933	141 935
С	2.0	NBR	Brass	041 103	042 129	041 105
O	3.0	NBR	Brass	041 107	041 108	041 116
	3.0	FKM	Stainless steel	052 344	045 024	052 059
	4.0	NBR	Brass	042 218	042 695	042 329
	4.0	FKM	Stainless steel	050 483	043 324	050 979
	4.0	FKM	PP	-	088 420	-
	4.0	FKM	PVDF	055 788	-	019 078
	4.0	EPDM	PP	-	_	063 625
D	2.0	NBR	Brass	056 984	041 858	041 137
	3.0	NBR	Brass	041 139	041 141	041 147
	4.0	NBR	Brass	043 129	042 696	042 903
E	3.0	FKM	PP	069 917	066 230	022 294
	3.0	EPDM	PP	078 556	-	078 559
	4.0	FKM	PP	061 077	086 921	053 406
	4.0	FKM	PVDF	022 340	020 550	085 599
	4.0	EPDM	PP	067 160	044 693	066 033
F	4.0	FKM	PP	020 528	-	-
	4.0	EPDM	PP	-	-	066 032
Т	2.0	FKM	Brass	124 922	138 316	124 925
	3.0	FKM	Brass	124 927	124 928	124 930
	2.0	FKM	Stainless steel	124 932	124 933	124 935
	3.0	FKM	Stainless steel	124 937	124 938	124 940

²⁾ The listed ID numbers and circuit functions have a body with a straight channel

Note: Further versions on request

Order chart for accessories

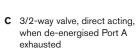


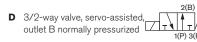
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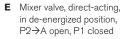


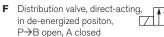
Circuit function

- **A** 2/2-way direct acting valve, normally closed
- **B** 2/2-way direct acting valve, normally open









T 3/2 way valve, universal function, flow direction as required



Explosion proof version

Technical data								
Available body	Brass, stainless steel (1.4401), PP (Polypropylene)							
materials	PVDF (Polyvinylfluoride)							
Port connection	G 1/4; NPT 1/4; (RC 1/4 and G 1/8 on request)							
Seal material	EDPM / FKM / FFKM / NBR							
Medium								
for NBR	Neutral medium such as compressed air, town gas, water, hydraulic							
	oil, oils and fats without additives, oxygen							
for EPDM	Alkalis, acids to medium concentrations, alkaline washing and							
	bleaching lyes							
for FKM	Oxydizing acids and substances, hot oils with additives, salt solutions,							
	waste gases, oxygen							
for FFKM	Aggressive mediums, hot air, hot oils							
All Materials - For mor	e exact info. please refer to our chemical resistance chart							
Medium temperature	NBR 0 to +80 °C							
for body material	EPDM -30 to +90°C							
brass or stainless	FKM 0 to +90 °C							
steel	FFKM +5 to 90°C							
Medium temperature	NBR 0 to +80 °C							
for body material	EPDM -30 to +80°C							
PP or PVDF	FKM 0 to +80 °C							
	FFKM +5 to +80°C							
Viscosity	Max. 37mm ² /s							
Ambient temperature.	Max. +55°C							
Voltages	24V, 230V (further voltages on request)							
Frequency	AC/DC							
Voltage tolerance	+/- 10%							
Duty cycle	100%							
Electrical connection	Moulded cable (HO5RN-F3G,3x0.75 mm²)							
	Terminal box without safety fuse							
	(on request also terminal box with Fuse (Tpye 1058/PTB 01 ATEX 2064 U))							
Protection class	IP65							
Coil insulation class	Н							
Type of protection	II 2 G Ex d e IIC T4 bzw. T5							
	II 2 G Ex d e mb IIC T4 bzw. T5							
	II 2 D Ex tD A21 IP65 T135°C bzw. 100°C							
Certificate	PTB 03 ATEX 1030 X							
	IECEx PTB 05.0026X							
Fuse	According to inrush current (see also ordering chart)							
Installation	As required, preferably with actuator upright							

Cycling rate

	Max. cycling rate	For mediums temp	For ambient temp.
Variant 1	20/min	Up to +70 °C	Up to +40 °C
Variant 2	5/min	Up to +90 °C	Up to +40 °C

Power consumption

Inrush [W]	Operation [W]
40	3

Response times

Orifice [mm]	Opening [ms]	Closing [ms]
2 - 4	30	40

Response times [ms]:

Measured at valve outlet at 6 bar and +20 °C

Opening: Pressure rise 0 to 90%, Closing: Pressure drop 100 to 10%



Technical data (continued)

Pressure range and flow rate for metal body

Circuit function	DN	Kv value water [m³/h]	Standard Pressure range ^{2) 3)} [bar]	Vacuum Pressure range [bar]
A/B/C/D/F	2.0	0.11	0 - 16	-0.98 - 10
	3.0	0.18	0 - 10	-0.98 - 6
	4.0	0.23	0 – 5	-0.98 – 3
	5.0	0.29	0 – 4	-0.98 - 2.5
E	2.0	0.11	0 – 10	-0.98 – 8
	3.0	0.18	0 – 6	-0.98 – 5
	4.0	0.23	0 – 3.5	-0.98 – 2.5
	5.0	0.29	0 – 3	-0.98 – 2
Т	2.0	0.11	0 – 10	-0.98 – 8
	3.0	0.18	0 – 6	-0.98 – 5

Pressure range and flow rate for plastic body

Circuit function	DN	Kv value water [m³/h]	Standard Pressure range ^{2) 3)} [bar]	Vacuum Pressure range [bar]
A/B/C/D/F	2.0	0.13	0 - 16	-0.98 – 10
	3.0	0.25	0 – 10	-0.98 – 6
	4.0	0.30	0 – 5	-0.98 – 3
	5.0	0.40	0 - 4.5	-0.98 – 1
E/T	2.0	0.13	0 - 10	-0.98 - 7
	3.0	0.25	0 – 6	-0.98 – 5
	4.0	0.30	0 – 3	-0.98 - 2.5

 $^{^{\}mbox{\tiny 1)}}$ Measured at +20 °C, 1 bar $^{\mbox{\tiny 2)}}$ pressure at valve inlet and free outlet.

²⁾ Devices with FKM or FFKM diaphragm are reduced to a max. pressure of 12 bar ³⁾ Pressure data [bar]: Measured as overpressure to the atmospheric pressure



Other circuit functions

The valves are fitted with different springs for a specific circuit function. When used in other circuit functions the permissable operating pressure changes acc. to the following table.

Metal body	Metal body																	
Valve																		
operation	Orific	Orifice 2mm Orifice 4mm																
	A1)	B ¹⁾	С	D	Е	F	Α	В	С	D	E	F	Α	В	С	D	Е	F
С	16	1.5	16	1.5	1.5	16	10	1	10	1	1	10	5	0.8	5	0.8	0.8	5
D	4	16	4.5	16	4	4	2.5	10	2.5	10	2	3	2	5	2	5	2	2
Т	8	8	10	10	10	8	6	6	6	6	6	6	3	3	3	3	3	3

Plastic bod	Plastic body																	
Valve Max. operating pressure [bar] when using the valve in a new circuit function																		
operation	Orific	Orifice 2mm Orifice 4mm																
	A ¹⁾	B 1)	С	D	E	F	Α	В	С	D	Е	F	Α	В	С	D	Е	F
С	16	1.5	16	1.5	1.5	16	10	1	10	1	1	10	5	0.8	5	0.8	0.8	5
D	4	16	4.5	16	4	4	2.5	10	2.5	10	2	3	2	5	2	5	2	2
F	16	1.5	10	1.5	1.5	16	6	1	6	1	1	10	4	1	4	1	1	

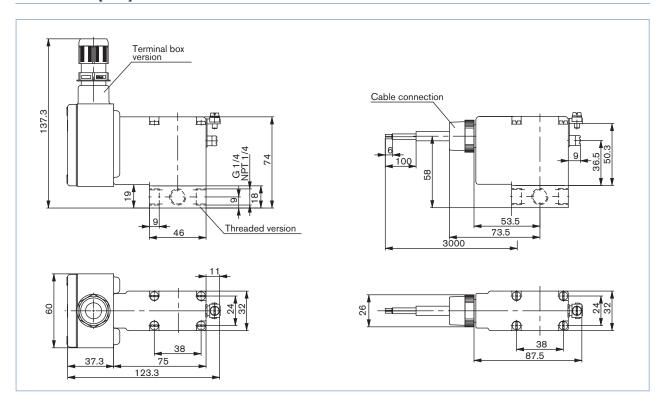
¹⁾ For circuit function A and B the valve must be connected acc. to the pin assignment of 3/2-way valve.

Additional options

Option	Variable	Description
	Code	
Terminal box with G 1/2 "or NPT 1/2" threaded nipple	JA09	Instead of the cable gland a threaded nipple with internal thread is in-
	respectively.	stalled in the terminal box. Thereby laying the cable in a closed steel pipe
	JA10	system is possible.
Oxygen versions	NL02	Suitable for applications with oxygen
		(non-metal materials that are in contact with the medium, are tested and
		approved according to BAM)
Increased purity requirements e.g. oil, grease and	NL50/NL05	Wetted parts are specially cleaned and packaged in accordance with the
silicone-free		valves
Increased hermetic requirements	PCxx	Standard units are tested at 10 ⁻² mbar x l / sec; feasable up to 10 ⁻⁶ mbar
Vacuum version	NA02	Suitable for vacuums up to -0.98bar
Increased purity and hermetic requirements	NA03	Wetted parts are specially cleaned and leak tested to 10 ⁻⁴ mbar x l/sec
Increased purity and hermetic requirements and vacu-	NA01	Wetted parts are specially cleaned and leak tested up to 10 ⁻⁴ mbar x l/sec
um version		and suited for vacuum up to -0.98 bar
Electrical feedback	CF15	Coil with intrinsically safe proximity switches (PTB 00 ATEX 2048X)
		instead of manual override

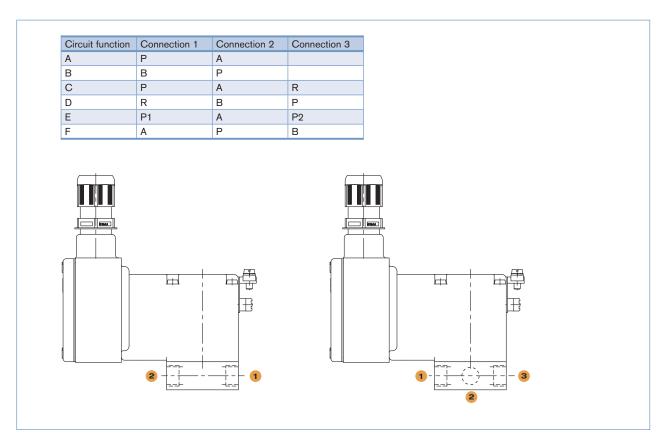


Dimensions [mm]



Port connections

The connections marked with 1, 2 and 3 are labelled in the drawing according to the circuit function table on the left.





Recommended fusing rate

Voltage [V]	Max. current [A]
24	2
230	0.5
110-120	0.8

Ordering chart - selection table (Articles with reduced delivery time)

All devices with connection thread G 1/4 and manual override

-unc-	- Jun – Lucian – Luci			- uo		er voltage/ cy [V/Hz]
Circuit func- tion	Orifice [mm]	Seal Material	Housing or seat material	Electrical	024/UC	230/UC
A ²⁾	3.0	NBR	MS	Terminal box	137 077	137 079
	3.0	NBR	MS	cable	137 076	137 078
	3.0	FKM	Stainless steel	Terminal box	137 081	137 083
	3.0	FKM	Stainless steel	cable	137 080	137 082
С	3.0	NBR	MS	Terminal box	124 619	125 567
	3.0	NBR	MS	cable	077 495	088 175
	3.0	FKM	Stainless steel	Terminal box	135 080	137 075
	3.0	FKM	Stainless steel	cable	137 073	137 074
Е	3.0	FKM	Stainless steel	Terminal box	137 085	135 624
	3.0	FKM	Stainless steel	cable	137 084	137 086
F	3.0	FKM	Stainless steel	Terminal box	146 203	137 089
	3.0	FKM	Stainless steel	cable	137 087	137 088
Т	4.0	FKM	Stainless steel	Terminal box	133 712	-
	4.0	FKM	Stainless steel	cable	141 556	-

Note: Further versions on request

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ightarrow$

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