Process Diaphragm Valves in Stainless Steel



Valve Technology and Systems

Buschjost®

VALVE TECHNOLOGY SYSTEMS WOGS

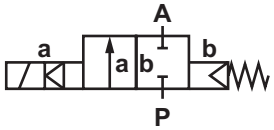
B9

2/2-way valves DN 8 to DN 50

For slightly aggressive gases and liquids
Indirectly solenoid actuated
Diaphragm valves
Internal thread G 1/4 to G 2 or 1/4" NPT to 2" NPT
Operating pressure: 0.1 to 16 bar (see technical data)

Stainless Steel
Click-on®
Solenoid interchangeable without tools





Description (standard valve)

Solenoid valve for slightly aggressive gases and liquids

Switching function:	normally closed
Flow direction:	determined
Differential pressure:	0.1 bar required (0.3 bar for EPDM)
Fluid temperature:	-10 °C up to max. +90 °C
Ambient temperature:	-10 °C up to max. +50 °C
Mounting position:	as required, preferably with solenoid vertical on top

Material

Body:	Stainless steel 1.4408
Seat seal:	NBR
Internal parts:	Stainless steel, PVDF

For contaminated fluids the use of a strainer upstream of the valve is recommended.

Features

- High flow rate
- Damped operation
- Functional compact design
- Solenoid interchangeable without tools (Click-on®)

Technical data

Connection size G	DN mm	kv-Value m³/h	Part number*	Operating pressure bar NBR 00	Normally open 01	Manual override 02	FPM 110 °C 03	EPDM 110 °C 14
1/4	8	1.9	82730**XX**.9101.**00000**	0.1 - 16	0.1 - 16	0.1 - 16	0.1 - 16	0.3 - 16
3/8	10	3.0	82731**XX**.9101.**00000**	0.1 - 16	0.1 - 16	0.1 - 16	0.1 - 16	0.3 - 16
1/2	12	3.8	82732**XX**.9101.**00000**	0.1 - 16	0.1 - 16	0.1 - 16	0.1 - 16	0.3 - 16
3/4	20	6.0	82733**XX**.9101.**00000**	0.1 - 16	0.1 - 16	0.1 - 16	0.1 - 16	0.3 - 16
1	25	9.5	82734**XX**.9101.**00000**	0.1 - 16	0.1 - 16	0.1 - 16	0.1 - 16	0.3 - 16
1 1/4	32	23.0	82735**XX**.9101.**00000**	0.1 - 10	-	0.1 - 10	0.1 - 10	0.3 - 10
1 1/4	32	23.0	82735**XX**.9151.**00000**	0.1 - 16	0.1 - 16	0.1 - 16	0.1 - 16	0.3 - 16
1 1/2	40	25.0	82736**XX**.9101.**00000**	0.1 - 10	-	0.1 - 10	0.1 - 10	0.3 - 10
1 1/2	40	25.0	82736**XX**.9151.**00000**	0.1 - 16	0.1 - 16	0.1 - 16	0.1 - 16	0.3 - 16
2	50	41.0	82737**XX**.9101.**00000**	0.1 - 10	-	0.1 - 10	0.1 - 10	0.3 - 10
2	50	41.0	82737**XX**.9151.**00000**	0.1 - 16	0.1 - 16	0.1 - 16	0.1 - 16	0.3 - 16

* For orders please state voltage and frequency, e.g.: 8273200.9101.**23050** for 230V 50Hz or 8273200.9101.**02400** for 24V DC

Solenoid 9101 / 9151 (standard voltages)

DC	AC 50Hz	AC 60Hz
24V	24V	-
-	110V	120V
	230V	220V

Power consumption

Solenoid	DC	AC Inrush	AC Holding
9101	8W	15VA	12VA
9151	18W	45VA	35VA

Design according to DIN VDE 0580
Voltage range +/-10%, duty cycle 100%
Protection class according to EN 60529: IP65
Electrical connector according to DIN EN 175301-803 (included)
The solenoids are UL listed and CSA approved