

For neutral gases and liquids
Solenoid actuated, with forced lifting
Diaphragm valves
Internal thread 1/4" NPT to 1/2" NPT

Description (standard valve)

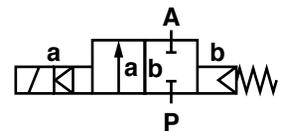
Solenoid valve for air, water, oil and other neutral fluids
 Switching function: normally closed
 Flow direction: determined
 Fluid temperature: 14°F up to max. 194°F (-10°C up to max. 90°C)
 Ambient temperature: 14°F up to max. 122°F (-10°C up to max. 50°C)
 Operating pressure: 0 to 145 psi (0 to 10 bar)
 Mounting position: as required, preferably with solenoid vertical on top

Material

Body: Brass, PA 66
 Seat seal: NBR
 Internal parts: Stainless steel, PVDF
 For contaminated fluids the use of a strainer upstream of the valve is recommended.

Features

Suitable for vacuum
 Functional design
 Compact solenoid with integrated core tube
 Valve operates without differential pressure
 Operating pressure: 0 - 290 psi (0 - 20 bar) with alternating current and NBR sealing

**Technical data**

Connection size	Orifice inch	Valve length inch	Cv-Value	Weight (lb)	Part number*	Operating pressure psi			
						NBR	FPM	EPDM	HNBR
NPT						230°F (110°C) 00	230°F (110°C) 03	302°F (150°C) 14	302°F (150°C) 51
1/4	0.4	1.7	1.7	1.1	82630XX.8001.XXXXX	0 - 145	0 - 145	0 - 145	0 - 87
3/8	0.4	1.7	2	1.1	82631XX.8001.XXXXX	0 - 145	0 - 145	0 - 145	0 - 87
1/2	0.4	2.4	2	1.32	82632XX.8001.XXXXX	0 - 145	0 - 145	0 - 145	0 - 87

* For orders please state voltage and frequency, e.g.: 8263000.8001.23050 for 230V 50Hz or 8263000.8001.02400 for 24 VDC

Solenoid 8001 (standard voltages)

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

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)

Power consumption

Solenoid	DC	AC	Holding
		Inrush	
8001	12W	–	–
8001	–	20VA	16VA

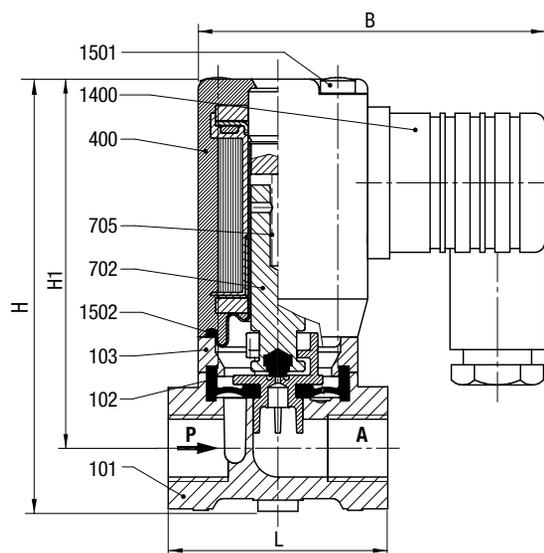
Drawing legend

Index	Description
101	Valve body
*102	Diaphragm
103	Spacer
400	Solenoid
*702	Plunger
*705	Pressure spring
1400	Electrical connector
1501	Oval head cap screw
*1502	O-ring

A service kit consists of these individual parts.

Service kits

Connection size NPT	L Inches	B Inches	H Inches	H1 Inches
1/4	1.73	2.76	3.37	2.87
3/8	1.73	2.76	3.37	2.87
1/2	2.36	2.76	3.37	2.93



For valves with solenoid 8001 and seal NBR	Part number
8263000.0000.00000	1256202.0000.00000
8263100.0000.00000	1256202.0000.00000
8263200.0000.00000	1256202.0000.00000
For valves with solenoid 8001 and seal FPM	Part number
8263003.0000.00000	1257116.0000.00000
8263103.0000.00000	1257116.0000.00000
8263203.0000.00000	1257116.0000.00000
For valves with solenoid 8001 and seal EPDM	Part number
8263014.0000.00000	1256745.0000.00000
8263114.0000.00000	1256745.0000.00000
8263214.0000.00000	1256745.0000.00000
For valves with solenoid 8001 and seal HNBR	Part number
8263051.0000.00000	1256761.0000.00000
8263151.0000.00000	1256761.0000.00000
8263251.0000.00000	1256761.0000.00000

Further options (valves)

- XXXXX18.XXXX Degreased version, seat seal: FPM
- XXXXX22.XXXX Operating pressure 0 to 290 psi; only for NBR and AC solenoid (not available with Ex solenoids)

Further options (solenoids)

- XXXXXXX.8041 Solenoid in protection class $\text{Ex II 2 GD EEx me II T3 T 140 }^{\circ}\text{C}$

Further options on request

- Body with 2x M5 fastening thread