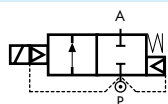


2/2 WAY PILOT OPERATED SOLENOID VALVE, G 1/4" ÷ G 1"



normally closed

TYPE: B203/204/205/206/222

TECHNICAL SPECIFICATIONS

Media: water, oil, air

Media temperature: -10°C ÷ +90°C

Ambient temperature: -10°C ÷ +50°C

Body material: brass (CW617N EN 12165)

Operator material: stainless steel

Operator seal material: NBR

Seal and diaphragm material: NBR

Coil power: AC 10vA (holding)

AC 16vA (inrush)

DC 7w

Protection class: IP 65 (with connector)

OPTIONS

Normally open (e.g. code RB206DBY)

Manual override (e.g. code B204DBZM)

Speed control screw (only for B206DBYV and B222DBYV)

EPDM seal for air and hot water MAX 120°C (e.g. code B204DEZ)

FKM seal for air, water, oil MAX 130°C (e.g. code B204DVZ)

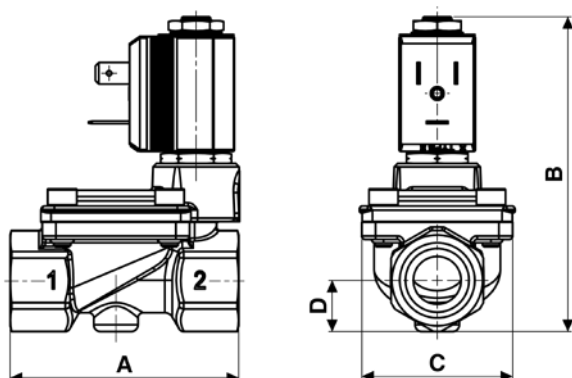
Version with operator ø 14,5 and coil type 7000 available upon request (e.g. code D205DBZ)

Version for vacuum only operator ø 14,5 (e.g. code D203DBZL)



SELECTION TABLE

VALVE	G connection	nominal diameter	flow rate Kvs	min	OPD max AC	max DC	COILS	
code	[ISO 228 G]	[mm]	[l/min]	[barg]	[barg]	[barg]	code	[Volts/Hz]
B203DBZ	1/4"	13	26	0.3	16	16	2250	24v DC
B204DBZ	3/8"	13	55	0.3	16	16	2200	24v 50/60Hz
B205DBZ	1/2"	13	63	0.3	16	16	2400	110v 50Hz - 120v 60Hz
B206DBX compact	3/4"	21	100	0.3	16	16	2600	200v 50Hz - 220v 60Hz
B206DBY	3/4"	25	140	0.3	16	16	2700	230v 50Hz - 240v 60Hz
B222DBY	1"	25	160	0.3	16	16		



DIMENSIONS & WEIGHTS

G connection	A	B	C	D	weight
[ISO 228 G]	[mm]	[mm]	[mm]	[mm]	[kg]
1/4"	67	90	45.6	15	0.4
3/8"	67	90	45.6	15	0.4
1/2"	67	90	45.6	15	0.4
3/4" compact	82	105	51.6	20.25	0.6
3/4"	96	115	72	23	1.2
1"	96	115	72	23	1.2

SOLENOID VALVE FOR USE IN HAZARDOUS LOCATIONS (ATEX)

SERIES: N  

The following M&M valves can be fitted with explosion-proof operator, class EEx m II 2GD T4.

D223 - D224 - D225	⇒ see page 05
D262/263	⇒ see page 10
D362/363	⇒ see page 12
D298/D299	⇒ see page 35
D204 ÷ D222 (SS and brass)	⇒ see page 38
D326	⇒ see M&M Piston Valves Catalogue

- Assisted lift version not available
- Manual override and NO version not available
- MAX orifice available Ø 3 mm
- The ATEX pilot performance is restricted to a maximum of 10 barg

OPERATOR TECHNICAL SPECIFICATIONS

Operator material: stainless steel
Seal material: FKM

COILS TECHNICAL SPECIFICATIONS

Coils are supplied with a 3 m power cable only, wired on a non-removable plug
Cable type : H05V2V2-F 3G1
Protection class: IP 65
Insulation class: "F" EN 60730
Voltage tolerance: -10% ÷ +10%
Operation: continuous
Protection class: EEx m II 2GD T4



e. g. code **D262DVC 24v DC (OPD 24 bar MAX)** with ATEX pilot ⇒ **N262DVC N253 (OPD 10 bar MAX)**

SELECTION TABLE

CODE	voltage	power holding	insulation class	room temperature		media temperature		ED	fuse ⁽¹⁾
				min	max	min	max		
N253	24v DC	10,1 W	F	-20°C	+50°C	-20°C	+80°C	100%	800
N203	24v 50/60Hz	7,2 VA							800
N403	110v - 50Hz	9,1 VA							200
NK03	120v - 60Hz	8,6 VA							200
N703	230v - 50Hz	8,5 VA							100

SAFETY WARNINGS

(1) A mains fuse or equivalent means of protection (breaking value shown on the table for each coil) shall be installed on the mains supplyline. Absence of mains protection is a non conformity to safety standards (EC Directives 94/9/CE and 1999/92/CE) and is a possible cause of explosion.

(2) Valves for potentially explosive atmospheres are available from factory only.

USE OF COIL OR OPERATOR ONLY DOESN'T MAKE THE VALVE EXPLOSION-PROOF.

SPECIAL VERSIONS AVAILABLE UPON REQUEST. PLEASE CONTACT M&M FOR MORE DETAILED INFORMATION.