



Solenoid Valve - 5/2 - Single Solenoid - Monostable

Benefits & Features

- Five way single solenoid valve
- Suitable for gaseous media
- High dependency applications
- Compact design
- Brass or 316 stainless steel bodies
- Ex-d IIC -60°C to +60°C ambient versions
- ATEX, EAC Ex (CU TR 012) and IECex, Ex-d approved

Specification

Configuration	Internal pilot operation
Port Sizes	1/4" BSP or NPT
Orifice	7.0mm
Kv	see table below
Body	Brass or 316 stainless steel
Media	gaseous media, subject to material compatibility
Pressure ranges	3 - 10 Bar
Seals	NBR, VITON, HNBR

Configuration



Technical Data

									Min . / Differe	Min . /Max. Operating Differential Pressures.				
						Body Rating	Orifice mm	Min. BAR	Maximum BAR		Flow Factor L/min.			
	A		в	С	D	E				AC	DC			
D03		70					10	7.0	3	10	10	12.5		





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Dimensions

Weight Kg	Dimensions mm								
	А	В	С	D	Е	F	G	н	
1.2	50	32	18	18	18	23	30	193	



Order Codes

A	Body	в	Port		С	Seals (fluid temp. min / max)	D	Protection		Options	
Т	Brass	С	1/4" BSP	D	1/4" NPT	0	NBR (-10°C to + 70°C)	в	II 1/2 GD Ex-d IIB T6 (-20 to +40°C)	x	Manual Override
I	316 Stainless Steel					1	VITON (-10°C to + 90°C)	с	II 1/2 GD Ex-d IIC T6 (-20 to +40°C)	/SG	Degreased for oxygen
						7	HNBR (-10°C to + 90°C)	/LT	II 1/2 GD Ex-d IIC T6 (-60 to +60°C)		
								н	Ex-d c IIB IP67 IECEX		
								т	Ex-d c IIC IP67 IECEX		
								R	Ex-d IIC EAC Ex		
			-					s	IP67 (Safe Area)		

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SAFETY MAINTENANCE AND INSTALLATION INSTRUCTIONS







Measure Monitor Control

The following data is intended exclusively for specialised users only. These person(s) must comply with local and national regulations. This document is for information regarding the installation, assembly, disassembly and authorised maintenance. Such operations must exclusively Be performed by authorised technical personnel.

The product should be verified and checked that it is suitable for the application, by checking the Solenoid Valve specification against the Application demands (fluids, pressures, temperatures etc.)

Make sure that the type and degree of Solenoid Valve protection, as well as the temperature of the fluid that the valve intercepts are compatible With the degree, the type of protection and the class of temperature required by the classification of the zone, which the valves will be installed.

Use Solenoid Valves only with fluids compatible with the materials of which they are composed: Brass OT58 Uni 5705-65 (Cu 58% Zn 40% Pb 2%). Stainless Steel A X5CrNiMo1712 (AISI 316s) or A X2 CrNiM01712 (AISI 316Ls) and the type of elastomer used for the seal.

Do not use Solenoid Valves with pressure limits outside that marked on the Identification Plate.

Make sure that the voltage and type of power supply (alterate or continuous) are the same as that marked on the Identification Plate. Make sure the Tolerance of +/-10% is not exceeded.

Do not energise the Solenoid Valve without the protection cap being completely closed and sealed, the security dowel screwed tight, and the cable Correctly fitted and secured.

Before removing the safety cap, make sure that the Solenoid Valve is not energised.

In the event of Solenoid Coil replacement, use the following procedure using the tools and methods advised by the manufacturer. Use only a Replacement Solenoid Coil supplied by the manufacturer. Verify that the coil has the correct voltage, and is suitable for the model of Solenoid Valve, As indicated on Identification Plate. Ensure that the threaded safety cap and the security dowel are reassembled correctly and that all joints are tight. Ensure that the Electrical Cable is fitted correctly, and that the Explosion Proof Housing is free from the ingress of water.

Do not use the Solenoid Valve Explosion Proof Housing as a lever when mounting the Solenoid Valve on the process pipe line.

INSTALLATION PROCEDURE & METHODS



Extract the clip putting the extraction tool (KM/3062) in the hole of the security clip then pull hard to extract the clip.

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For product safety purpose and conformity with certification, replace the coil only with a coil supplied by the manufacturer suitable for the model stamped on the rating plate. Do not supply the power until the solenoid and the housing have been assembled correctly on the solenoid valve body/pilot.