

AV AUTOMATIC VALVE

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World Class Pneumatic Solutions

ATEX Compliant Coils

Installation

- After removing the packing, make sure that dirt cannot penetrate into the system
- Before mounting the system, check that there is no dirt in the piping or the valve housing
- When inserting the system, make sure that the flange O-ring is seated correctly
- If coils are used in manifold assemblies, maintain a minimum distance according to the temperature class (see technical data)
- Mounting is advised in a vertical position with the coil pointing upwards
- The solenoid coil should be protected from mechanical damage
- Tightening torque: refer to the technical data
- Electrical connection with the terminal box is suitable for screw terminals/clamps, in the hazardous areas, use a terminal box with type of protection increased Safety
- If connecting the lead wires make ensure the wire ends are inserted into the electrical terminal
- Connecting cable and wires should be free of sharp bends
- Before initial operation of the device make sure that the requirements of the EMC directive are met
- Please order spare parts completely by indicating the part number (see type plate)
- At installation, maintenance or repair it is essential to observe the requirements of EN 60079-14 and EN 50281-1-1. The electrical installation must follow additional relevant national regulations
- Valve-housing material: Casting alloy; Housing material: Synthetic material

Operation

- Admissible media are gas and liquids that do not attack the material
- The outside surfaces of the solenoid should be free of oil and dirt
- The device's operating pressure depends on the armature design. However, the maximum limit of 12 bars must not be exceeded
- Do not strain the system by bending or torsion.
- Prevent the connecting cables and strands from being buckled in order to avoid short circuits and



Certificate of Conformity

Messrs. declare and bear sole responsibility for the following EEx products to be in compliance with the safety standards

Solenoid operator 0515 00 to 0515 29	Ex II 2G EEx m II T4	IEC Ex m II T4
Solenoid operator 1215 00 to 1215 29	Ex II 2D IP65 T130°C	
Solenoid operator 0515 30 to 0515 59	Ex II 2G EEx m II T5	IEC Ex m II T5
Solenoid operator 1215 30 to 1215 59	Ex II 2D IP65 T95°C	
Solenoid operator 0515 60 to 0515 99	Ex II 2G EEx m II T6	IEC Ex m II T6
Solenoid operator 1215 60 to 1215 99	Ex II 2D IP65 T80°C	

The homologation certificate with the number PTB 03 ATEX 2018 X and IECEX PTB 04.0002X issued by PTB (registration entity no. 0102) is applicable for the solenoid operator.

The solenoid operator is an encapsulated safe electrical work equipment group II, designed for application in atmospheres according to category 2G and 2D (temperature class and surface symbol), meets the following

2002 Sector (met by additional circuitry measures)¹⁾
 DIN EN 61000-6-2 Electromagnetic Compatibility, Interference Immunity Industrial Sector

Automatic Valve continues to meet the demands of an ever-expanding global market by supplying products that meet internationally recognized standards for safety and interchangeability. An example of this is the family of intrinsically safe and explosion proof coils that meet the requirements stated in the ATEX Directive 94/9/EC for European applications.

The ATEX Directive 94/9/EC provides the requirements for equipment intended for use in environments which are potentially explosive to ensure the safety of the operator. The directive covers relevant equipment and protective systems, as well as electrical and non-electrical equipment.

Automatic Valve's coils are rated for agency approval as follows: Ex II 2G EExm II T5, Ex II 2D EExm II T5. Products sold with ATEX compliant coils are supplied with a Declaration of Conformity stipulating that the product complies with the specified ATEX directive. The ATEX coils are interchangeable with any 7019-9*** series coils and may be purchased separately.

Coil Part Number	Volts ± 10%	Watts	Current (amps) ± 15%		
			Inrush	Holding	Resistance (OHMS @ 25C)
7152-9AA	120/60	3.0VA	.029	.029	1664
7152-9AB	240/60	3.0VA	.015	.015	6730
7152-9DA	12V DC	3.5W	.267	.267	45
7152-9DB	24V DC	3.5W	.136	.136	177

Contact the factory or your local distributor for more information.
 Let us design a solution for you