

YT-720S



YT-720D



2 Product Description

2.1 General

The YT-720S (3 Way) and YT-720D (5 Way) series of explosion-proof solenoid valves are designed to output the pneumatic pressure input to the valve by DC or AC voltage signal (YT-720D: Switch output port direction)

2.2 Main Features and Functions

- Designed to be flameproof enclosure.
- Manual switch allows to carry-out operational test even when there is no voltage power connected.
- It is convenient to attach the power cable from the field as the conduit entrance can be rotated (265 degrees). In addition, the coil body itself can rotate 360 degrees, making installation easy.
- In case of YT-720D, valve body is operated by pneumatic operation instead of spring return type, so operation is very smooth with high durability regardless of supply pressure.
- With Namur type design, it can be attached directly to the actuator.
- Product surface is anodized and therefore, corrosion resistance is excellent.

2.3 Label Description

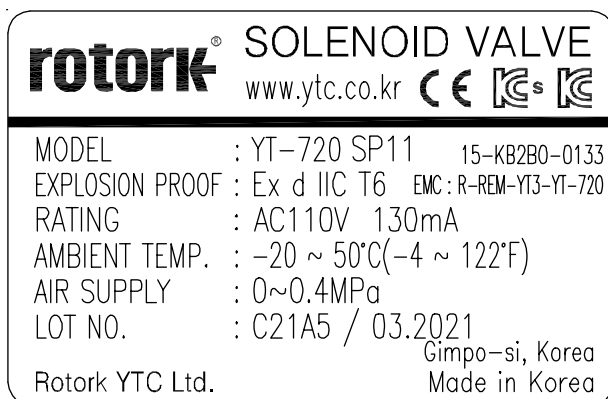


Fig. L-1: Sticker label

- MODEL : Indicates the model number and additional symbols.
- EXPLOSION PROOF : Indicates certified explosion proof grade.
- RATING : Indicates allowable voltage and current.
- AMBIENT TEMPERATURE : Indicates allowed explosion proof ambient temperature range.
- AIR SUPPLY : Indicates allowed supply air pressure range.
- LOT NO. : Indicates unique lot number.
- MONTH.YEAR : Indicates manufactured month and year.

※ Precautions



Be careful not to apply volatile solvent (hardener of instant adhesive, acetone, WD-40, etc.) to the sticker nameplate. Printed contents may be erased.

2.4 Product Code

YT-720 1 2 3 4

1 Valve type	S : 3 Way
	D : 5 Way
2 Air Connection Type	P : Rc 1/4
	N : 1/4 NPT
3 Power Source	1 : AC 110 V
	2 : AD 220 V
	3 : DC 24 V
4 Air Pressure	1 : 0 ~ 0.4 MPa (3 Way)
	2 : 0 ~ 0.7 MPa (3 Way)
	3 : 0.1 ~ 1 MPa (5 Way)

2.5 Product Specification

Model		YT-720S		YT-720D
Air Pressure Range		0 ~ 0.4 MPa	0 ~ 0.7 MPa	0.1 ~ 1 MPa
Flow Capacity(Cv)		0.2	0.084	0.75
Rating Current	AC 110V	130 mA (12 W)		
	AC 220V	60 mA (11 W)		
	DC 24V	580 mA (14 W)		
Frequency		50 ~ 60 Hz		
Explosion Proof		Ex d IIC T6 (KCs)		
Air Connection		Rc 1/4 or 1/4 NPT		
Conduit Entry		G 1/2		
Coil Insulation Grade		Class F		
Ambient Temperature	Operating	-20 ~ 70 °C (-4 ~ 158 °F)		
	Explosion Proof	-20 ~ 50 °C (-4 ~ 122 °F)		
Housing Material		Aluminum		
Weight		0.86 kg (1.9 lb)	1.3 kg (2.8 lb)	



Tested under ambient temperature of 20 °C, absolute pressure of 760 mmHg, and humidity of 65 %.

Please contact Rotork YTC Limited for detailed testing specification.