

**Explosion proof solenoid valve for a confident control under rough working environments.**

## Features / Design

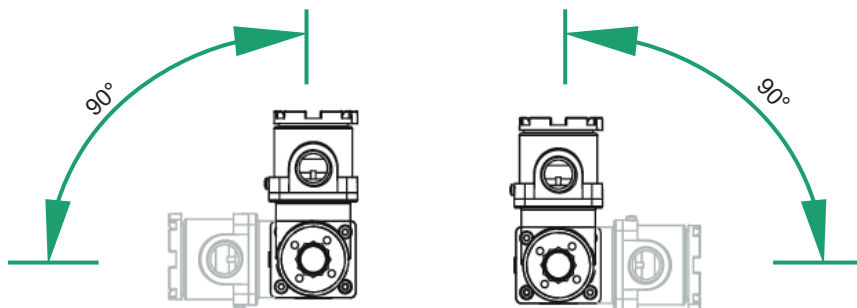
- 1.- Rugged aluminum die-cast housing or Stainless steel 316.
  - 2.- Rotatable valve head for optimal mounting.
  - 3.- Screw mounting.
  - 4.- Usable up to SIL3 acc. to IEC 61508.
- KCs - certified flameproof Ex d IIC , Ex tb IIC.  
 NEPSI - certified flameproof Ex d IIC , Ex tb IIC.  
 IECEx - certified flameproof Ex d IIC , Ex tb IIC.  
 ATEX - certified flameproof Ex d IIC , Ex tb IIC.

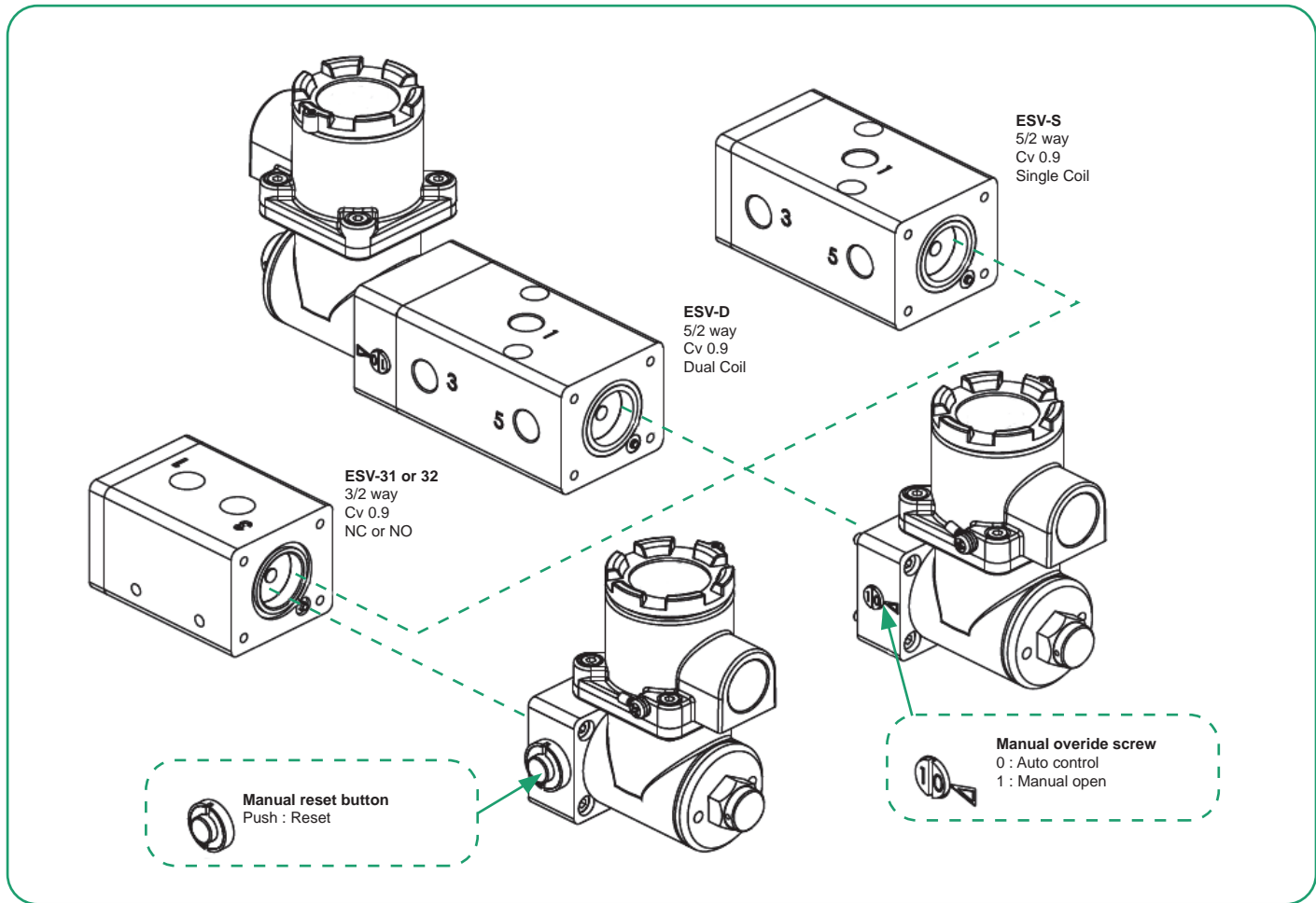
## Specifications

Model	ESV-31	ESV-32
Operating Air Pressure	1.5 - 10 bar	
Air Supply (Max.)	15 bar	
Operating Voltage / Power	AC110V : 6.8W / AC220V : 6.4W / DC 24V : 4.8W	
Voltage Tolerance	10%	
Frequency	50Hz / 60Hz	
Explosion Proof Class	Ex d IIC T6 / T5 / T4, Ex tb IIC T85 / T100 / T135, IP66	
Operating Ambient Temperature	T6 : -30 - +50 T5 : -30 - +65, T4 : -30 - +80	
Flow Capacity (Cv)	0.9	
Mounting Configuration	Screw interface	
Pneumatic Connections	PT(Rc) 1/4 or NPT 1/4	
Electrical Connection	PF(G) 1/2 , NPT 1/2 , M20 x 1.5	
Coil Insulation Grade	Class F / Class H	
Operating type	Nomally - Closed	Nomally - Open
Duty Cycle	100%	
Valve Body Material	Aluminum die-cast or Stainless steel 316	
Coil Housing Material	Aluminum die-cast or Stainless steel 316	
Weight (Valve Body / Coil Housing)	Aluminum / Aluminum : 0.8 kg Aluminum / SS316 : 1.8 kg SS316 / SS316 : 2.1 kg	

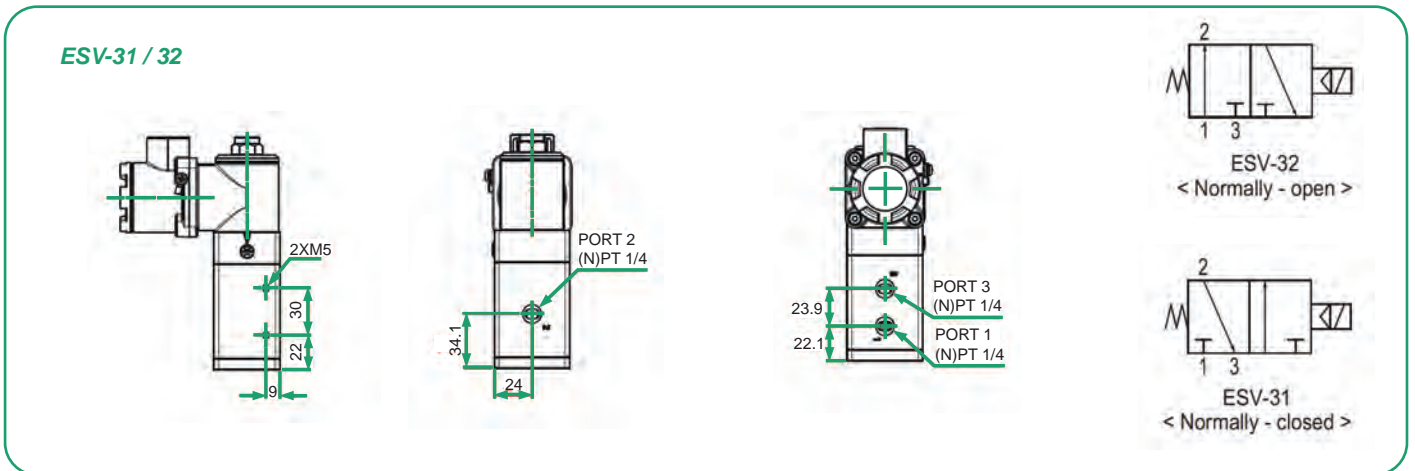
### Rotatable Valve Head

The ESV valve head can be rotated by 90° to the right or to the left for an optimal mounting as shown in the right picture.

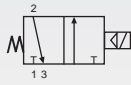
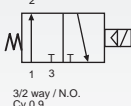




## Dimensions



## How to Order

ESV SERIES	OPERATING TYPE	Body Material (valve body-coil housing)	OPERATING VOLTAGE	CONNECTIONS (pneumatic - electrical)	PROTECTION & SIL CLASS	COIL CLASS	MANUAL OPTION
ESV	<b>31</b>  3/2 way / N.C. Cv 0.9	<b>Blank</b> Aluminum - Aluminum die-cast	<b>A220</b> 220VAC	<b>P</b> PT 1/4 - PF 1/2	<b>F</b> KCs / NEPSI IECEX / ATEX -Ex d IIC T6..T4 -Ex tb IIIC T85/T100/T135 Up to SIL3	<b>Blank</b> Class F	<b>Blank</b> Manual override screw
	<b>32</b>  3/2 way / N.O. Cv 0.9	<b>S</b> SS316 - Aluminum die-cast (only NPT 1/4 pneumatic connections)	<b>A110</b> 110VAC  <b>D24</b> 24VDC	<b>M</b> PT 1/4 - M20x1.5  <b>N</b> NPT 1/4 - NPT 1/2  <b>K</b> NPT 1/4 - M20x1.5			
		<b>C</b> SS316 - SS316 ( Pneumatic : NPT 1/4) ( Electrical : NPT 1/4, M20)					

### Example:

3/2 Way / N.C., Aluminum - Aluminum Die-Cast, 220VAC, PT1/4-PF1/2, KC Ex d IIC, Class F Coil.

**ESV31A220PF**

