



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

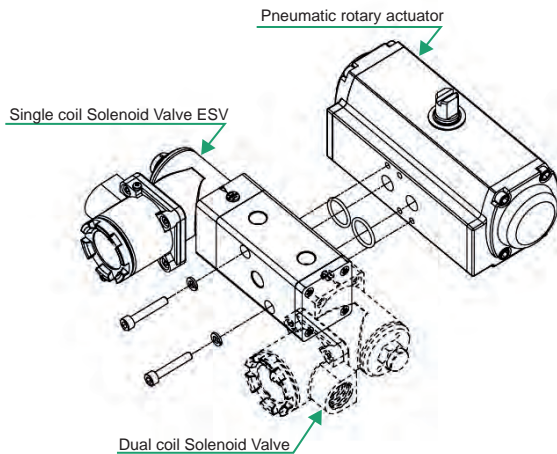
Features / Design

- 1.- Rugged aluminum die-cast housing or Stainless steel 316.
 - 2.- Rotatable valve head for optimal mounting.
 - 3.- Direct NAMUR mounting or 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

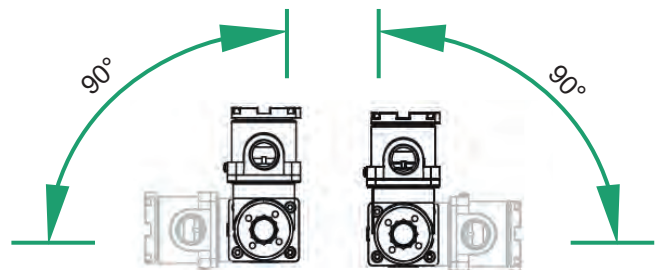
Model	ESV-S	ESV-D
Operating Air Pressure	1.5 - 10 bar	
Air Supply (Max.)	15 bar	
Operating Voltage / Power	AC110V : 6.8W / AC220V : 6.4W / DC 24V : 4.8W	
Voltage Tolerance	10%	
Frequency	50Hz / 60Hz	
Explosion Proof Class	Ex d IIC T6 / T5 / T4, Ex tb IIIC T85 / T100 / T135, IP66	
Operating Ambient Temperature	T6 : -30 - +50 T5 : -30 - +65, T4 : -30 - +80	
Flow Capacity (Cv)	0.9	
Mounting Configuration	NAMUR or 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	Single coil	Dual coil
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 : 0.9 kg Aluminum / SS316 : 1.9 kg	Aluminum / Aluminum : 1.4 kg Aluminum / SS316 : 2.5 kg SS316 / SS316 : 2.3 kg
		SS316 / SS316 : 3.3 kg

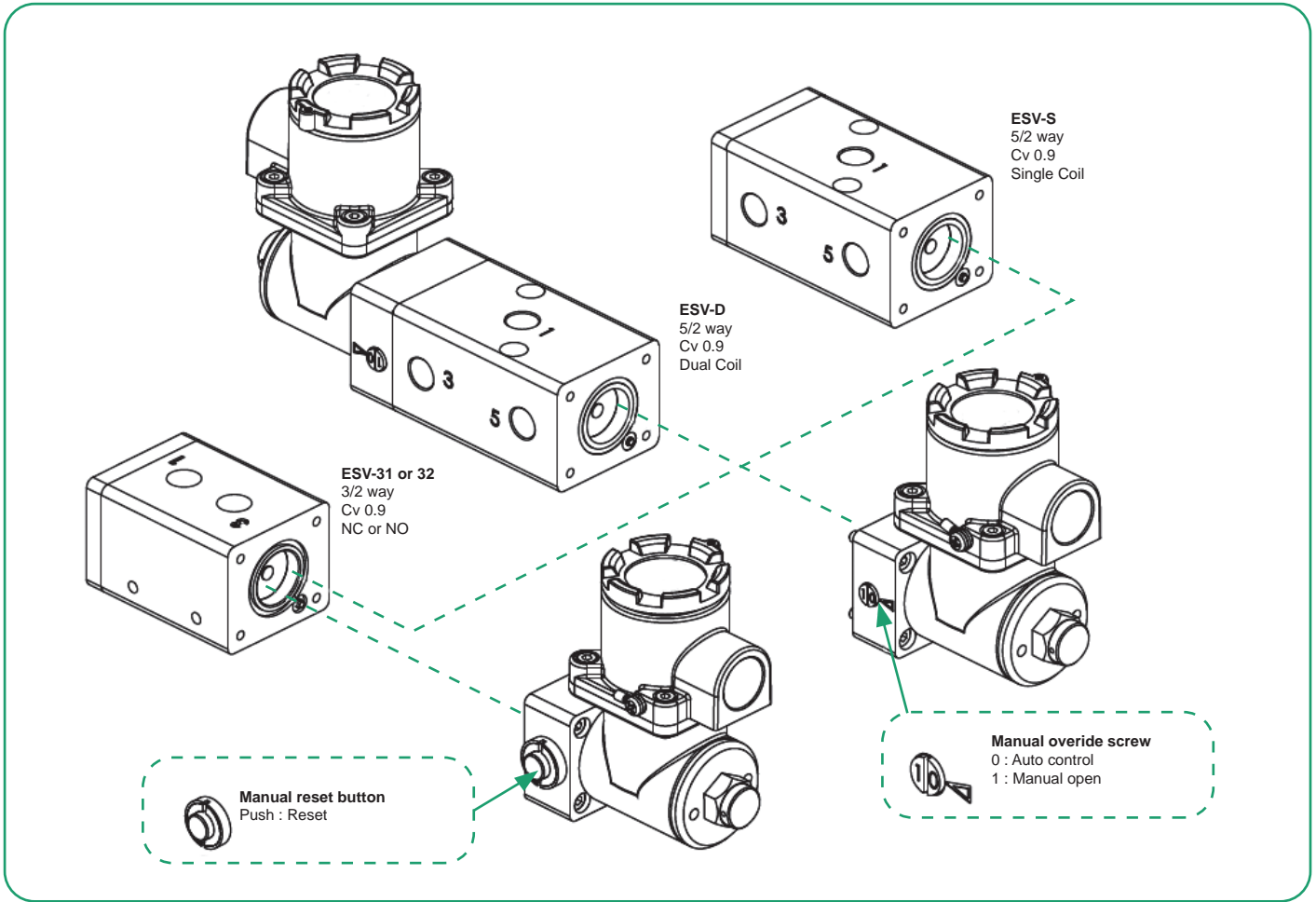
Mounting



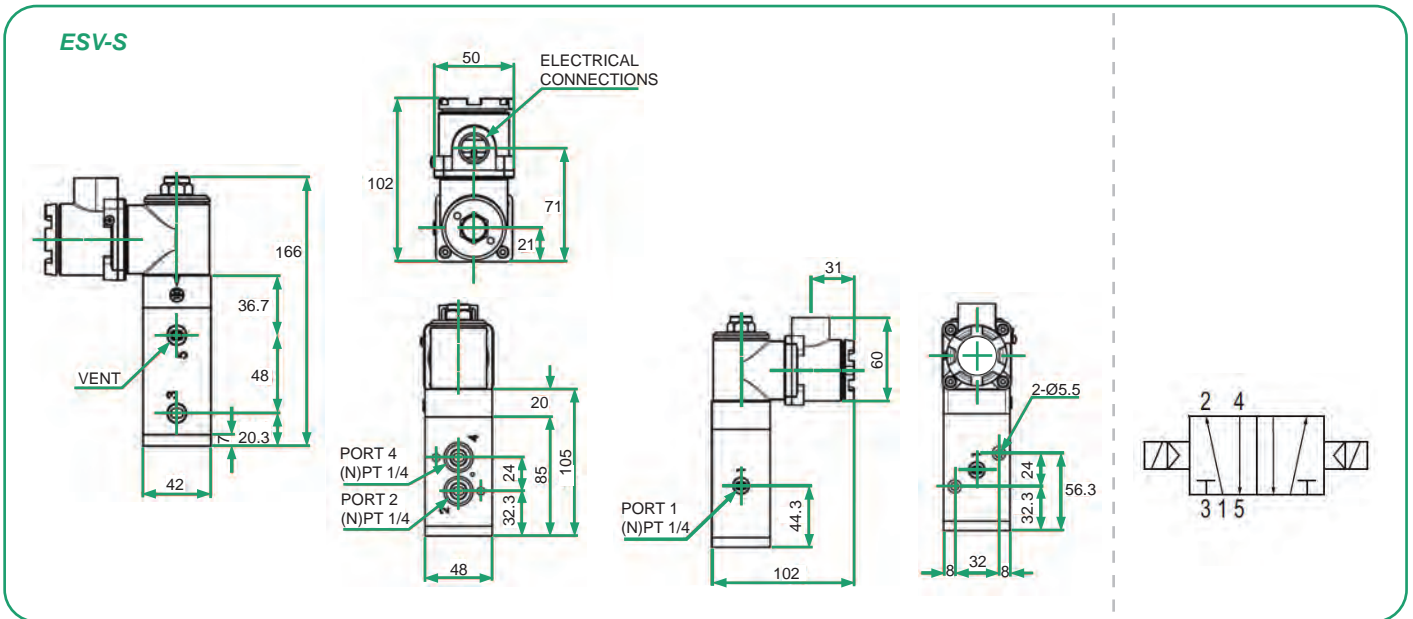
Rotatable Valve Head

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.

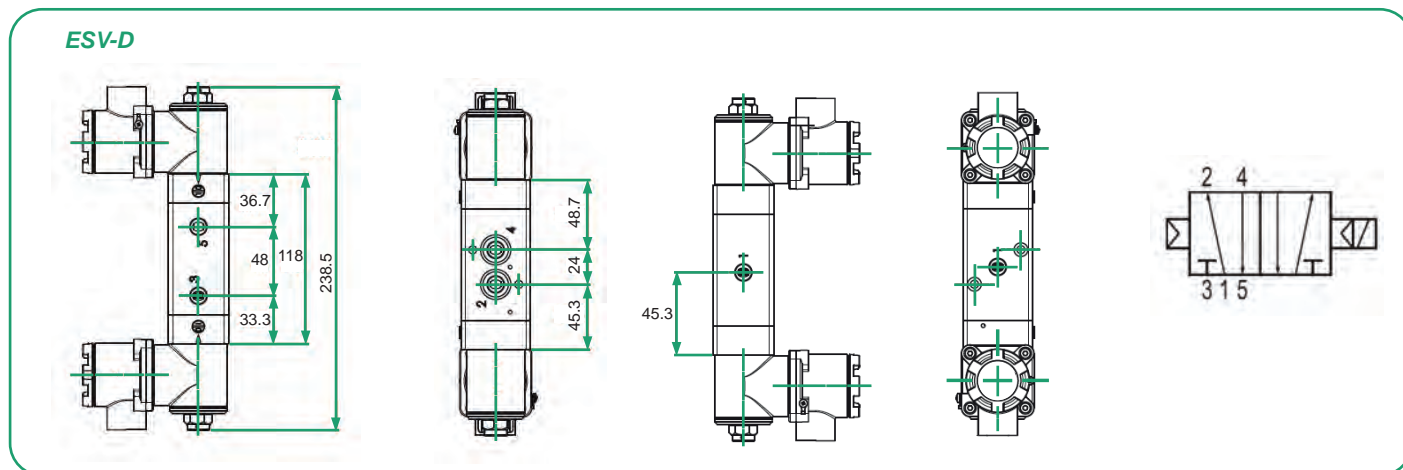




Dimensions



Dimensions (Cont.)



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	<p>S 5/2 way / Single Coil Cv 0.9</p> <p>D 5/2 way / Dual Coil Cv 0.9</p>	<p>Blank Aluminum - Aluminum die-cast</p>	<p>A220 220VAC</p>	<p>P PT 1/4 - PF 1/2</p>	<p>F KCs / NEPSI IECEX / ATEX -Ex d IIC T6..T4 -Ex tb IIIC T85/T100/T135 Up to SIL3</p>	<p>Blank Class F</p>	<p>Blank Manual override screw</p>
		<p>S SS316 - Aluminum die-cast (only NPT 1/4 pneumatic connections)</p>	<p>A110 110VAC</p>	<p>M PT 1/4 - M20x1.5</p>		<p>H Class H</p>	<p>R Manual reset button (Only 3/2way)</p>
		<p>C SS316 - SS316 (Pneumatic : NPT 1/4) (Electrical : NPT 1/4, M20)</p>	<p>D24 24VDC</p>	<p>N NPT 1/4 - NPT 1/2</p> <p>K NPT 1/4 - M20x1.5</p>			

Example:

5/2 Way Single Coil, Aluminum - Aluminum Die-Cast, 220VAC, PT1/4-PF1/2, KC Ex d IIC, Class F Coil.

ESVSA220PF

