







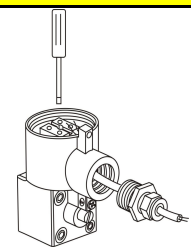
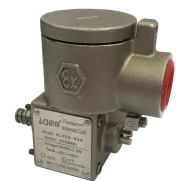


<b>ALPHA-ACHEM Data Sheet</b>	<b>Product ID ALV612P1C4</b>
<b>PRODUCT NAME</b>	
<b>FLAMEPROOF IN-LINE SOLENOID VALVE</b>	
<b>MODEL NO.</b>	
<b>ALV612P1C4</b>	
<b>DESCRIPTION OF THE PRODUCT</b>	
Based on FLAMEPROOF standard the ALV612P1C4 IN-LINE SOLENOID VALVE functions as 3/2 spring return and is available for the operation of single acting pneumatic devices located in hazardous (Ex db IIC T6 Gb) area. Working pressure from 2bar to 8 bar and the working voltage 12-24VDC, 110-240VAC.	

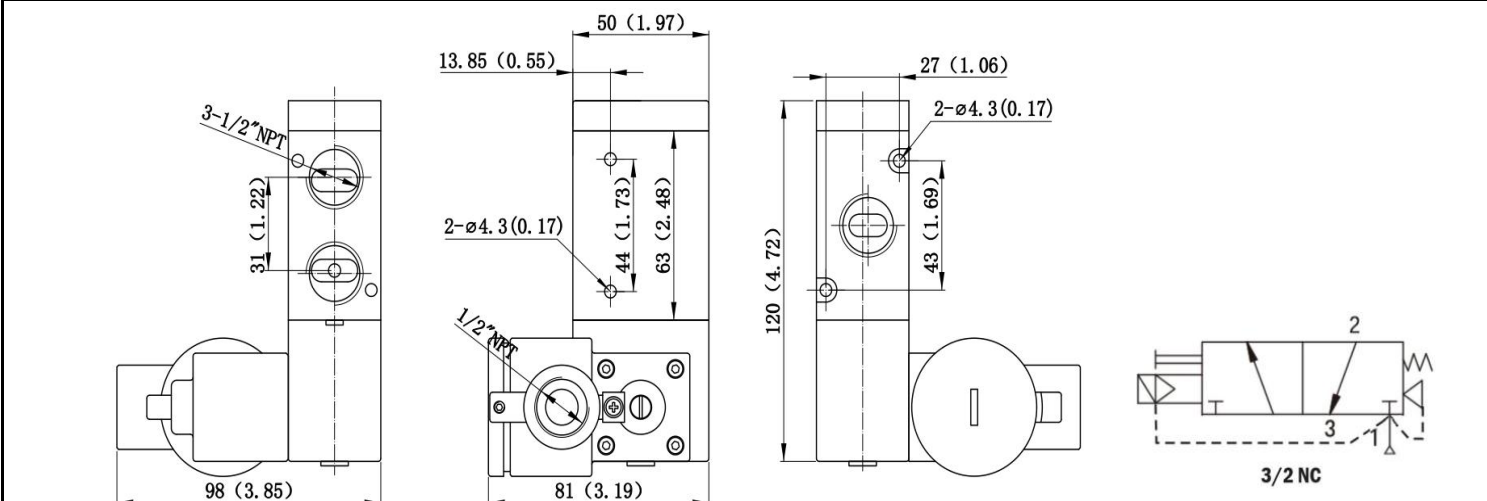
<b>APPROVED BY</b>	<b>Coil Specification(C4)</b>
      <b>IP67</b>	<b>Operating Voltage</b> 12/24VDC-3.5W 24/110/120/220/240VAC-4VA(50/60HZ)

<b>SPOOL VALVE TECHNICAL DATA</b>		<b>Coil Enclosure</b>	stainless steel(316)
<b>Spool valve/Body</b>	Stainless Steel (316)	<b>Wiring Connector</b>	M20-1.5 or 1/2"NPT, Terminal Strip
<b>Seal</b>	Buna N	<b>Insulation Protection</b>	H Class Coil
<b>Materials in contact with fluid</b>	Stainless Steel (316)	<b>Insulated voltage</b>	1000V
	Glass-filled PA, POM, Buna N	<b>Duty factor</b>	100% ED
<b>Function</b>	3/2, CV =2.79(50.00mm <sup>2</sup> ), Monostable, Pilot Operation	<b>Weather Proof</b>	IP67
		<b>Area Classification</b>	 II 2 G Ex db IIC T6 Gb
<b>Air Ports</b>	Air ports 1/4" , 3/8" or 1/2" BSPP or NPT	<b>Operating Temp.</b>	-20°C ~ 60°C

<b>Manual</b>	Manual override on body	<b>Wiring Diagram</b>	
<b>Fasteners</b>	Stainless steel		
<b>Environment</b>	Type 4, 4X (indoor and outdoor)		
<b>Medium Temperature</b>	-5°C ~ 80°C		
<b>Working Pressure</b>	2 ~ 8 bar		
<b>Working Medium</b>	less than 40µm filtered and dried air		
<b>Working life</b>	more than 1000,000 cycle (On the normal working condition)		

\* When the operating temp. is different with medium temperature, the one has smaller absolute value must be chose.

**DRAWING AND MOUNTING**



\*\*\*For continuous improvement of the product, we reserve the right to alter the dimensions, technical data and information included in this data sheet.



Engineering & Technical Centre, 1 Orside Close, Hindley Industrial Estate, Hindley Green, Wigan, WN24HR, Greater Manchester, UK, Tel +44 (0) 1942 525833, Technicalsales@alphacontrols.co.uk, www.alphacontrols.co.uk

