

Data Sheet	Product ID ALV412F2C5
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PRODUCT NAME
High Flow Pilot Acting Solenoid Valve of Flameproof
MODEL NO.
ALV412F2C5
DESCRIPTION OF THE PRODUCT
Based on NAMUR standard(40×45), the ALV412F2C0 ACHEM NAMUR solenoid valve can be directly mounted for controlling double-acting pneumatic actuators which located in hazardous area(Zone 1 &2). Working pressure from 2 bar to 8 bar and the working voltage from 12-24VDC, 110-240VAC.



APPROVED BY	Coil Specification(C5)
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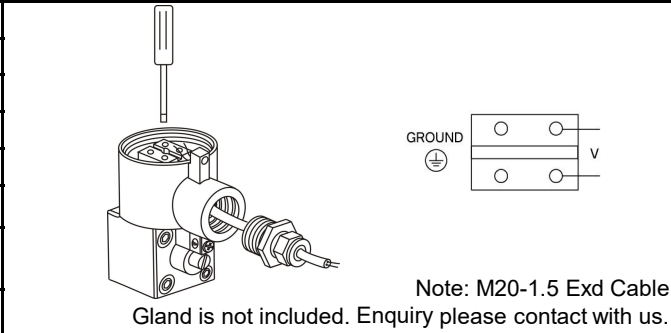
<div> <div>CE</div> <div>Ex</div> <div>ATEX</div> <div>IEC</div> <div>IECEX</div> <div>Ex NEPSI</div> <div>IP67</div> </div>
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Coil Enclosure	Die-casting aluminum + Epoxy coated
Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip
Operating Voltage	12/24VDC-3.5W 110/120/220/240VAC-4VA(50/60HZ)
Voltage Tolerance	±10%
Insulation Protection	H Class Coil
Insulated voltage	1000V
Duty factor	100% ED
Area Classification	Ex db IIC T6 Gb, Ex tb IIIC T85℃ Db
Weather Proof	IP67
Operating Temp.	-20℃～60℃

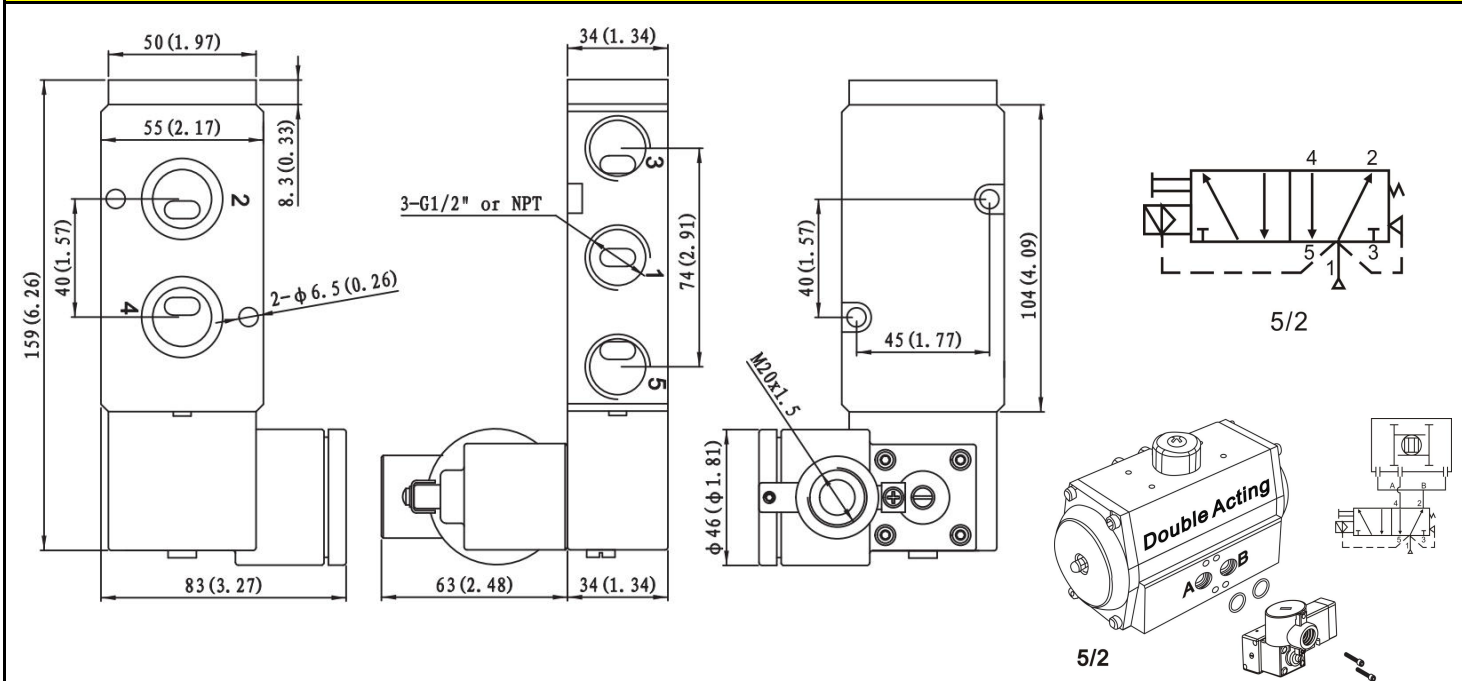
SPOOL VALVE TECHNICAL DATA

Spool valve/Body	Extruded aluminum
Coating	Anodized coated, or Nickel coated in chemical
Seal	Buna N
Materials in contact with fluid	Aluminum, Glass-filled PA, POM, Buna N
Function	5/2, CV =2.79,(50.00mm²) Monostable
Air Ports	Air ports 1/2" BSPP or NPT
Assembly and Connection	40×45 Namur, Manual override on body
Fasteners	Stainless steel
Environment	Type 4, 4X (indoor and outdoor)
Medium Temperature	-5℃～60℃
Working Pressure	2～8 bar
Working Medium	less than 40μm filtered and dried air
Bistable(ALV420F2C5)	available on requiring
Working life	more than 1000,000 cycle (On the normal working condition)
Main feature	Manual override on the body;

Wiring Diagram

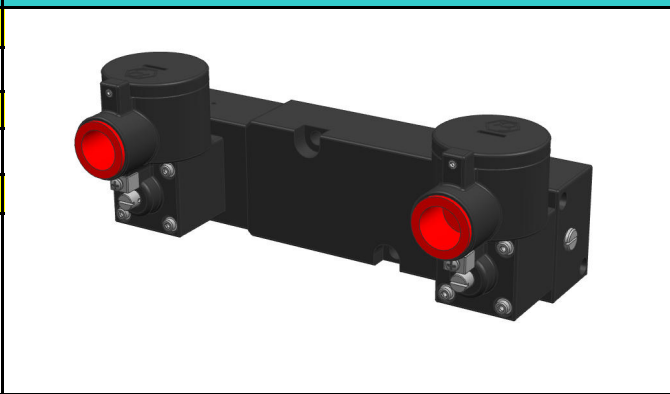


DRAWING AND MOUNTING



Data Sheet	Product ID ALV422F2C5
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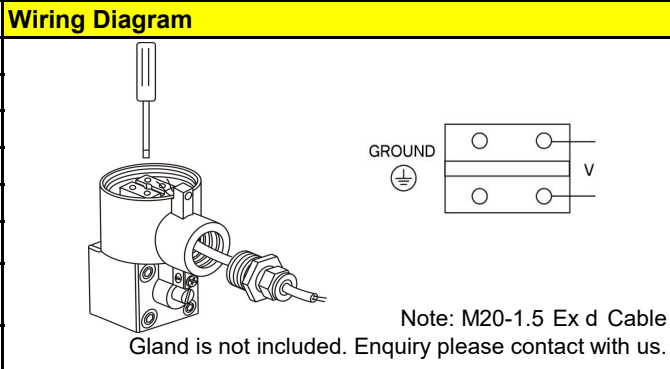
PRODUCT NAME
High Flow Pilot Acting Solenoid Valve of Flameproof
MODEL NO.
ALV422F2C5
DESCRIPTION OF THE PRODUCT
Based on NAMUR standard(40×45), the ALV422F2C5 AICHEM NAMUR solenoid valve can be directly mounted for controlling double-acting pneumatic actuators which located in hazardous area(Zone 1 &2). Working pressure from 2 bar to 8 bar and the working voltage from 12-24VDC, 110-240VAC.



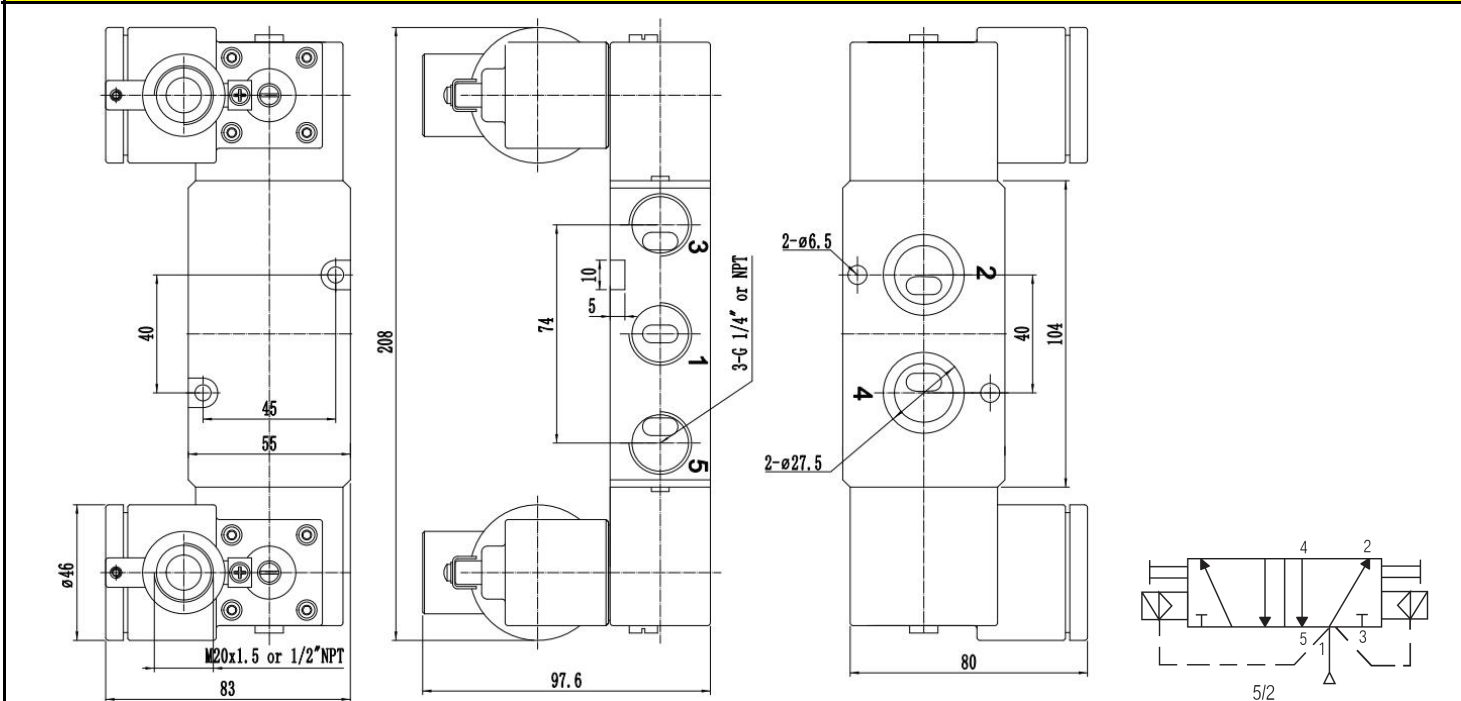
APPROVED BY	Coil Specification(C5)				
<div style="display: flex; align-items: center; gap: 10px;"> IP67 </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Coil Enclosure</td><td>Die-casting aluminum + Epoxy coated</td></tr> <tr> <td>Wiring Connector</td><td>M20-1.5 or 1/2"NPT, Terminal Strip</td></tr> </table>	Coil Enclosure	Die-casting aluminum + Epoxy coated	Wiring Connector	M20-1.5 or 1/2"NPT, Terminal Strip
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Coating	Anodized coated, or Nickel coated in chemical
Seal	Buna N
Materials in contact with fluid	Aluminum, Glass-filled PA, Buna N
Function	5/2, CV =2.79(50.00mm²), Bistable
Air Ports	Air ports 1/2" BSPP or NPT
Assembly and Connection	40×45 Namur, Manual override on body
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Working Medium	less than 40μm filtered and dried air
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Working life	more than 1000,000 cycle (On the normal working condition)
Main feature	Manual override on the body;

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Voltage Tolerance	±10%
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Area Classification	Ex db IIC T6 Gb, Ex tb IIIC T85℃ Db
Weather Proof	IP67
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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.