

Data Sheet

Product ID ALV510F3C5

PRODUCT NAME

High Performance Pilot Acting Solenoid Valve of Flameproof

MODEL NO.

ALV510F3C5

DESCRIPTION OF THE PRODUCT

Based on NAMUR standard (32×24), the ALV510F3C5 AICHEM NAMUR solenoid valve functions as 5/2 or 3/2NC and is available for the operation of double-acting and spring-return pneumatic actuators which located in hazardous (Ex db IIC T6 Gb) area. Working pressure from 2 bar to 8 bar and the working voltage from 12-24VDC, 110-240VAC.



APPROVED BY

Solenoid Coil: C5



ATEX



IP67 NEMA4,4X

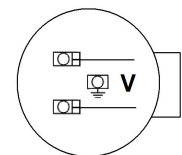
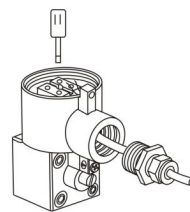
Operating Voltage 12/24VDC-3.5W
110/120/220/240VAC-4VA(50/60HZ)

SPECIFICATIONS AND TECHNICAL DATA

Spool Valve/Body	Extruded Aluminum
Coating	Anodized Coated
Seal	Buna N
Materials in Contact with Fluid	Aluminum, Glass-filled Resin, Buna N
Function	5/2 or 3/2NC, Monostable, Pilot Operation
Air Ports	Air Ports 1/4" BSPP or NPT
Flow Rate	CV =1.1(19.63mm²)
Installation and Connection	24×32 Namur, Manual Override On Body
Fasteners	Stainless Steel
Environment	Indoor and Outdoor
Medium Temperature*	-20℃～60℃
Working Pressure	2～8 bar
Working Medium	Less Than 40μm Filtered and Dried Air
Working Life	More Than 1000,000 Cycle (On The Normal Working Condition)

Voltage Tolerance	±10%
Coil Enclosure	Die-casting Aluminum + Epoxy Coated
Cable Entry	M20-1.5 or 1/2"NPT, Terminal Strip
Insulation Protection	H Class
Insulated voltage	1000V
Duty factor	100% ED
Weather Proof	IP67
Area Classification	Ex db IIC T6 Gb, Ex tb IIIC T85℃ Db
Operating Temp.*	-20℃～60℃

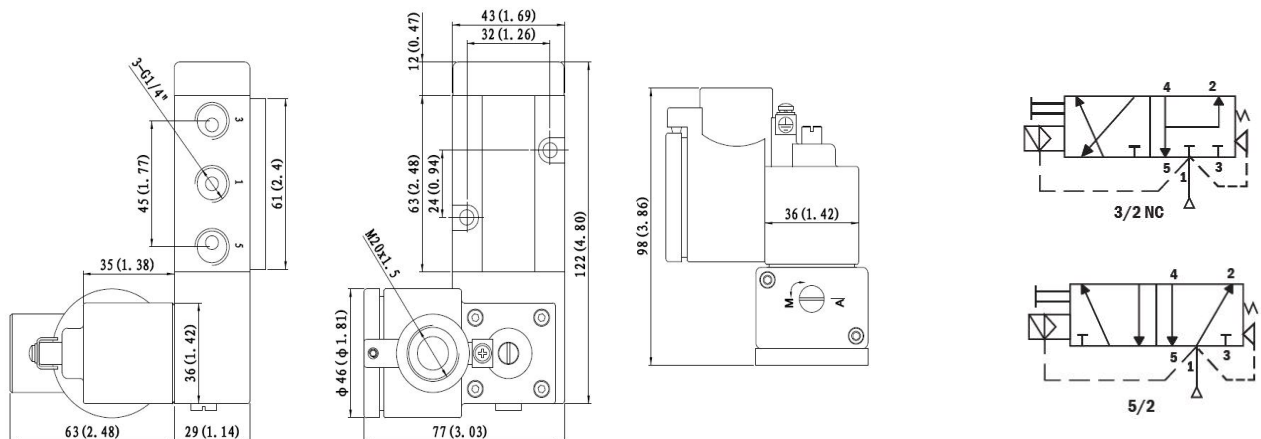
Wiring Diagram



Note: 1/2"NPT (or M20-1.5)Exd Cable Gland is not included.Enquiry please contact with us.

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

DRAWING AND DIMENSION




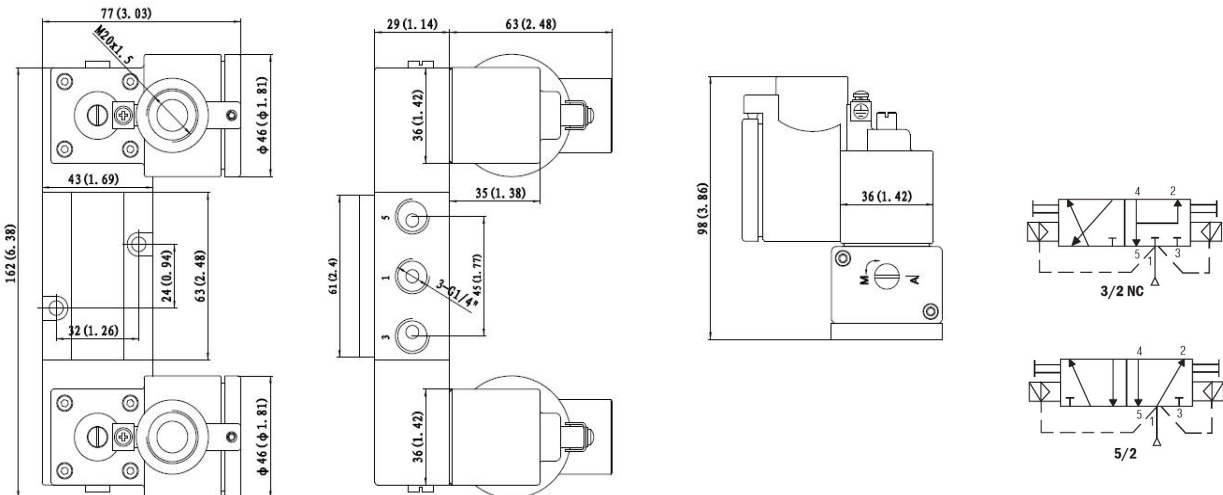


**For continuous improvement of the product, we reserve the right to alter the dimensions, technical data and information included in this data sheet.

ALLIED AUTOMATION

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Data Sheet		Product ID ALV520F3C5	
PRODUCT NAME			
High Performance Pilot Acting Solenoid Valve of Flameproof			
MODEL NO.			
ALV520F3C5			
DESCRIPTION OF THE PRODUCT			
Based on NAMUR standard (32×24), the ALV520F3C5 AICHEM NAMUR solenoid valve functions as 5/2 or 3/2NC and is available for the operation of double-acting and spring-return pneumatic actuators which located in hazardous (Ex db IIC T6 Gb) area. Working pressure from 2 bar to 8 bar and the working voltage from 12-24VDC, 110-240VAC.			
APPROVED BY		Solenoid Coil: C5	
		Operating Voltage	12/24VDC-3.5W 110/120/220/240VAC-4VA(50/60HZ)
SPECIFICATIONS AND TECHNICAL DATA		Voltage Tolerance	±10%
Spool Valve/Body	Extruded Aluminum	Coil Enclosure	Die-casting Aluminum + Epoxy Coated
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Seal	Buna N	Insulation Protection	H Class
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Function	5/2 or 3/2NC, Bistable, Pilot Operation	Duty factor	100% ED
Air Ports	Air Ports 1/4" BSPP or NPT	Weather Proof	IP67
Flow Rate	CV =1.1(19.63mm ²)	Area Classification	Ex db IIC T6 Gb, Ex tb IIIC T85°C Db
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Fasteners	Stainless Steel	Wiring Diagram	
Environment	Indoor and Outdoor	 Note: 1/2"NPT (or M20-1.5)Exd Cable Gland is not included.Enquiry please contact with us.	
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