

General Description

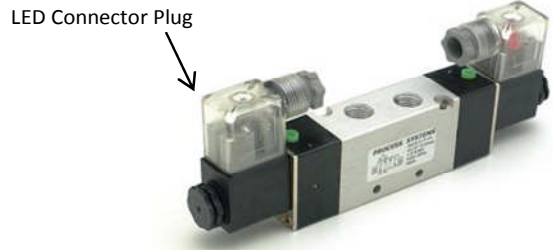
An economical range of solenoid valves with Manual Override and LED Connector Plug as standard. Suitable for compressed air control of actuators. Available as individual valves or manifold mounted in various combinations.

Technical specifications

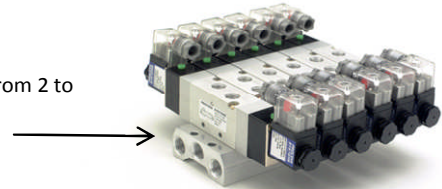
Pressure range: 1.5 - 10 Bar
 Materials in contact:
 Body: Aluminum (anodized)
 UV stabilized plastic
 Operator: 430 St /St
 Seals: NBR (Nitrile)
 Fluid temp: -10°C to 60°C
 Voltage variation: +/- 10%
 Duty rate: 100% (class F insulation)
 Power: AC 8.5 VA, DC 6.5 Watt

Connector: DIN 43650 plug c/w LED indicator
 Protection: IP65
 Ambient temp: -10°C to + 45°C

Available as **manifold assembly** - from 2 to 12 sets with different valve combinations - specify when ordering.



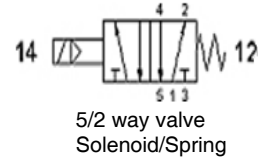
Manifolds from 2 to 12 sets.



MODEL	FUNCTION (for manifold mounting - specify combinations)	Ports Bsp			Cv	PRESSURE (BAR)		MEDIA TEMP (Nitrile)	WEIGHT kg
		IN	CYL	EX		AC	DC		

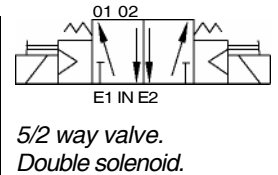
5/2 WAY (2 position) VALVE - SOLENOID OPEN / SPRING RETURN

A69 - 1 - 5 - *N	5/2 way sol/spring	1/8	1/8	1/8	0.67	1.5-8	1.5-8	-10°C	0.15
A69 - 2 - 7 - *N	5/2 way sol/spring	1/4	1/4	1/4	2	1.5-10	1.5-10		0.35
A69 - 3 - 7 - *N	5/2 way sol/spring	3/8	3/8	1/4	2	1.5-10	1.5-10		0.35
A69 - 4 - 8 - *N	5/2 way sol/spring	1/2	1/2	1/2	2.8	1.5-10	1.5-10	60°C	0.6



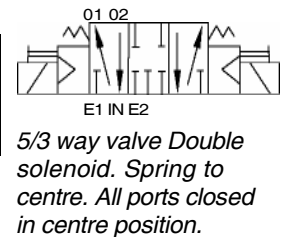
5/2 WAY (2 position) VALVE - SOLENOID OPEN / SOLENOID CLOSE

A610 - 1 - 5 - *N	5/2 way sol/sol	1/8	1/8	1/8	0.67	1.5-8	1.5-8	-10°C	0.21
A610 - 2 - 7 - *N	5/2 way sol/sol	1/4	1/4	1/4	2	1.5-10	1.5-10		0.45
A610 - 3 - 7 - *N	5/2 way sol/sol	3/8	3/8	1/4	2	1.5-10	1.5-10		0.45
A610 - 4 - 8 - *N	5/2 way sol/sol	1/2	1/2	1/2	2.8	1.5-10	1.5-10	60°C	0.8



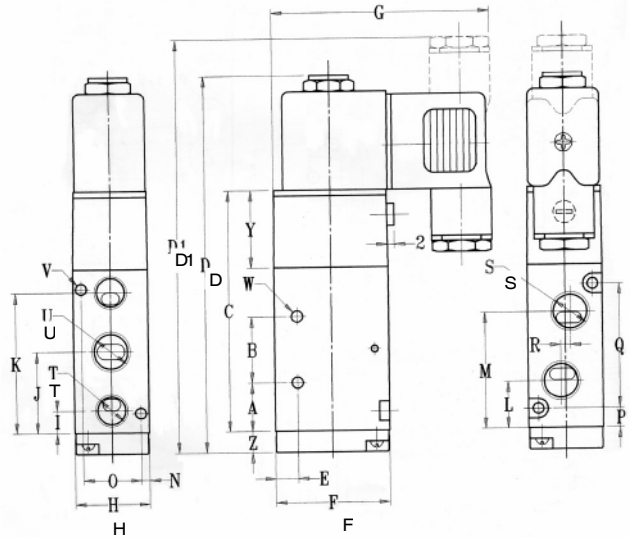
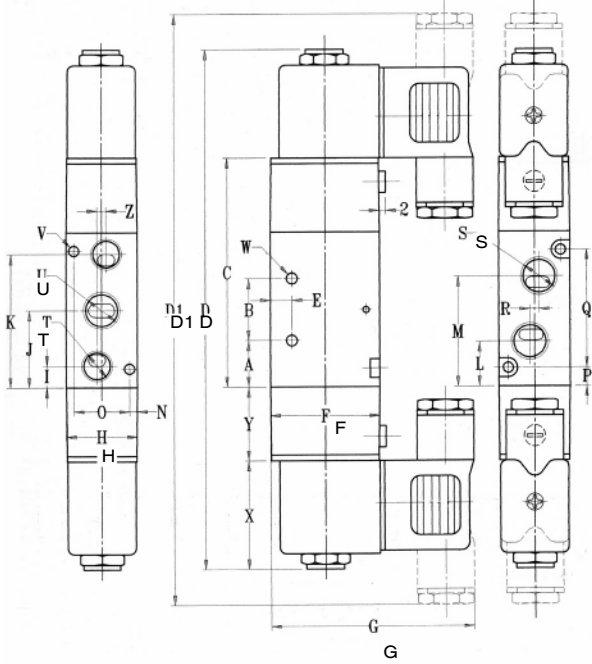
5/3 WAY (3 position) VALVE - SOLENOID/SOLENOID - CLOSED CENTRE POSITION (sprung to centre)

A611 - 2 - 7 - *N	5/3 way sol/sol/C.C.	1/4	1/4	1/4	2	1.5-10	1.5-10	-10°C	0.55
A611 - 3 - 7 - *N	5/3 way sol/sol/C.C.	3/8	3/8	1/4	2	1.5-10	1.5-10		0.55
A611 - 4 - 8 - *N	5/3 way sol/sol/C.C.	1/2	1/2	1/2	2.8	1.5-10	1.5-10	60°C	0.85



<p>* Voltage Codes: 1 - 240v AC 7 - 12v DC 2 - 110v AC 8 - 24v DC 5 - 24v AC Other voltages available upon request.</p>	<p>For manifold mounting – specify combinations from 2 sets to 15 sets. E.g. c/w 4 valve manifold</p>
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Ordering Example: A69-2-7-1N 1/4" Bsp, 5/2 way solenoid operation, spring return, 1.5-10 Bar, NBR seals, 240v AC c/w LED connector plug



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Specifications of 5/2 way Single Coil

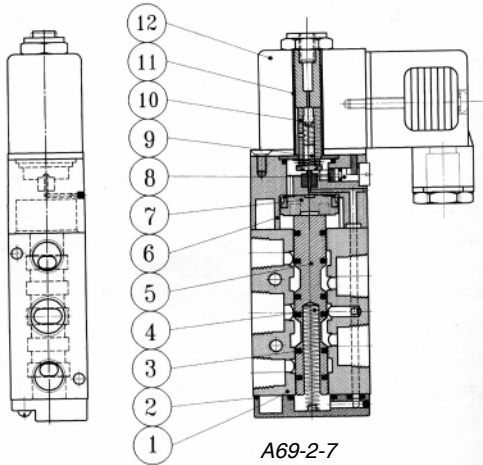
Model	Item	D	D1	F	G	H	S BSP	T BSP	U BSP	X	Y	Z BSP
A69 -1-5- N		117	120	35	65	22	1/8'	1/8'	1/8"	58	25	1/4"
A69 -2-7- N		132	143.5	40	70	27	1/4'	1/4'	1/4"	74	30	3/8"
A69 -3-7- N		132	143.5	40	70	27	3/8'	1/4'	3/8"	74	30	3/8"
A69 -4-8- N		164	175.5	50	75	34	1/2'	1/2'	1/2"	100	42	1/2"

Specifications of 5/2 way Double Coil

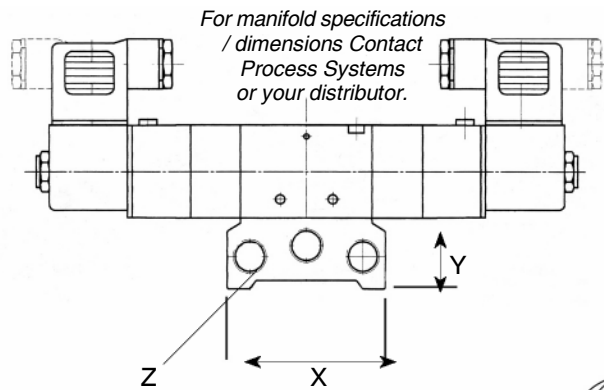
Model	Item	D	D1	F	G	H	S BSP	T BSP	U BSP	X	Y	Z BSP
A610 -1-5- N		175	197	35	65	22	1/8'	1/8'	1/8"	58	25	1/4"
A610 -2-7- N		183	206	40	70	27	1/4'	1/4'	1/4"	74	30	3/8"
A610 -3-7- N		183	206	40	70	27	3/8'	1/4'	3/8"	74	30	3/8"
A610 -4-8- N		217	240	50	75	34	1/2'	1/2'	1/2"	100	42	1/2"

Specifications of 5/3 way Double Coil

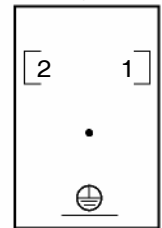
Model	Item	D	D1	F	G	H	S BSP	T BSP	U BSP	X	Y	Z BSP
A611 -2-7- N		183	206	40	70	27	1/4'	1/4'	1/4"	74	30	3/8"
A611 -3-7- N		183	206	40	70	27	3/8'	1/4'	3/8"	74	30	3/8"
A611 -4-8- N		217	240	50	75	34	1/2'	1/2'	1/2"	100	42	1/2"



Item	Article	Material
1	Valve Body	Aluminum Alloy
2	Bottom Cover	Plastic
3	Spool Seal	NBR. Viton
4	Spring	Stainless Steel
5	Spool	Aluminum Alloy
6	Top Cover	Plastic
7	Piston	Plastic
8	Manual Override	Plastic
9	Seat	NBR. Viton
10	Armature Core	Stainless Steel
11	Solenoid Tube	SUS+Copper
12	Coil	Brass Wire



Connector Plug (with LED)
1 & 2 input terminals
(Non polarity conscious)



Earth Terminal
Valves[®]
Online



www.valvesonline.com.au

This data sheet can be downloaded from our website.

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WARNING

These products are intended for use in industrial applications only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data' and in our individual 'Series' data sheets. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult **Process Systems Pty Ltd**. Through misuse, age, or malfunction, components used in industrial valve applications can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in industrial valve applications and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. **System designers must provide a warning to the user in the system instructional manual if protection against a failure mode cannot be adequately provided.** System designers and end users are cautioned to review specific warnings or specifications found in instruction sheets or labels packed or attached and shipped with the products. Our policy is one of continuous research and development. We therefore reserve the right to amend without notice the specifications given in this document or our individual 'Series' data sheets.

WARRANTY INFORMATION

Series A69/A610/A611 and all other products manufactured or distributed by Process Systems Pty. Ltd. are warranted by Process Systems to be free of defects in material and workmanship for a period of 1 year from the date of purchase or as the manufacturer warrants. Process Systems obligation under this warranty is limited to repair or replacement of the defective product or refund of the purchase price paid solely at the discretion of Process Systems and provided such defective product is returned to Process Systems freight prepaid and upon examination by Process Systems such product is found defective. This warranty shall be void in the event that the product has been subject to misuse, misapplication, improper maintenance, modification or tampering. This warranty is expressed in lieu of all other warranties, expressed or implied from Process Systems Pty. Ltd. representatives or employees. Process Systems reserves the right to change Valve and Brochure specifications without notice.