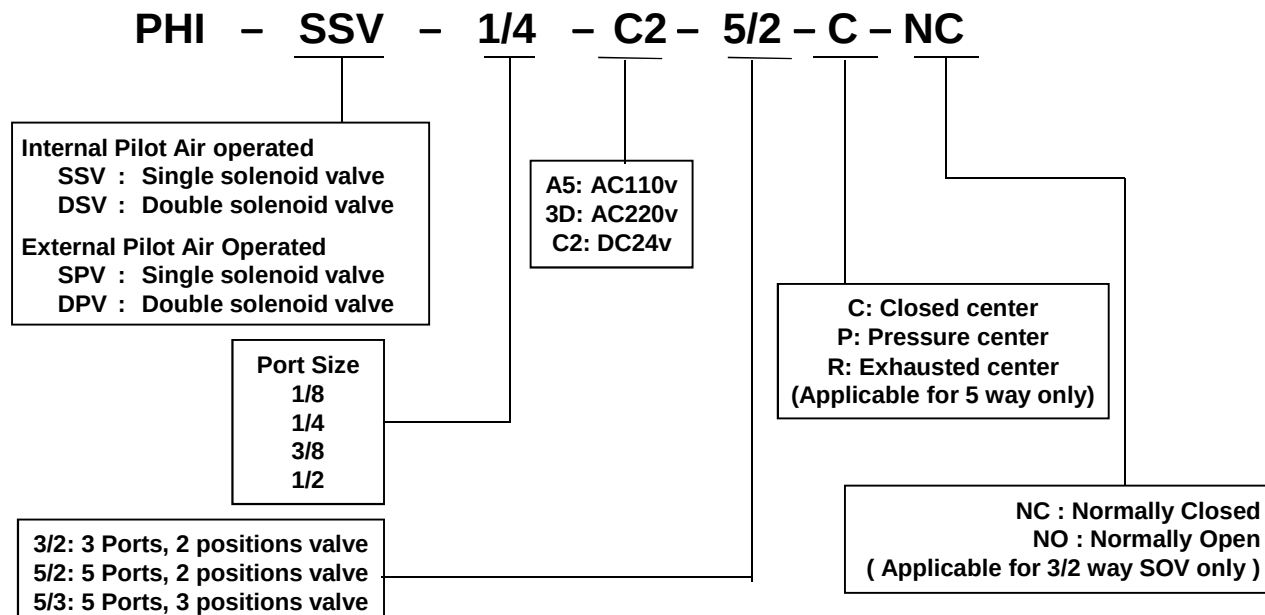


PHI SERIES 3/2, 5/2 & 5/3 WAY SOLENOID VALVES

How to order



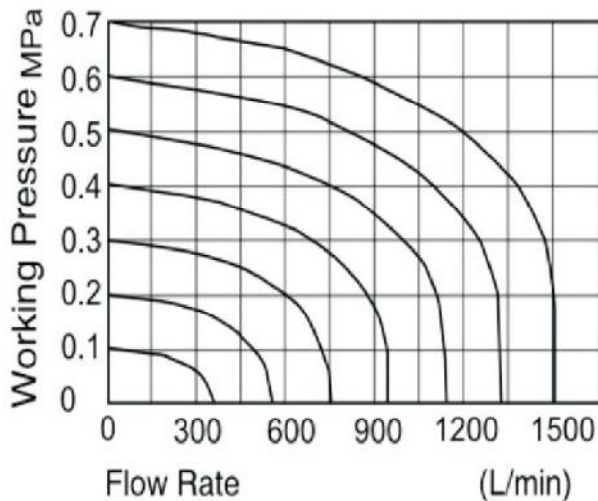
Specifications

Model	PHI-X-1/8-5/2-X	PHI-X-1/8-5/3-X	PHI-X-1/4-5/2-X	PHI-X-1/4-5/3-X	PHI-X-3/8-5/2-X	PHI-X-3/8-5/3-X	PHI-X-1/2-5/2-X	PHI-X-1/2-5/3-X
Port size	G1/8		G1/4		G3/8		G1/2	
Flow	Cv = 0.78	Cv = 0.67	Cv = 1.4	Cv = 1.00	Cv = 1.68	Cv = 1.00	Cv = 1.68	Cv = 1.67
Medium	Air 25µm							
Working range	0.15 - 0.8 Mpa							
Proof pressure	12 Mpa							
Ambient temperature	-5°C to +60°C							
Voltage range	-15% ~ +10%							
Power consumption	AC : 5.5VA, DC : 4.8W							
Insulation	Class F							
Protective class	IP65 (DIN 40050)							
Max. acting frequency	5 cycles / s	3 Cycles / s	5 cycles / s	3 Cycles / s	5 cycles / s	3 Cycles / s	5 cycles / s	3 Cycles / s
Response time	<0.05 s							
Weight (g)	110	181	289	400	400	450	638	727

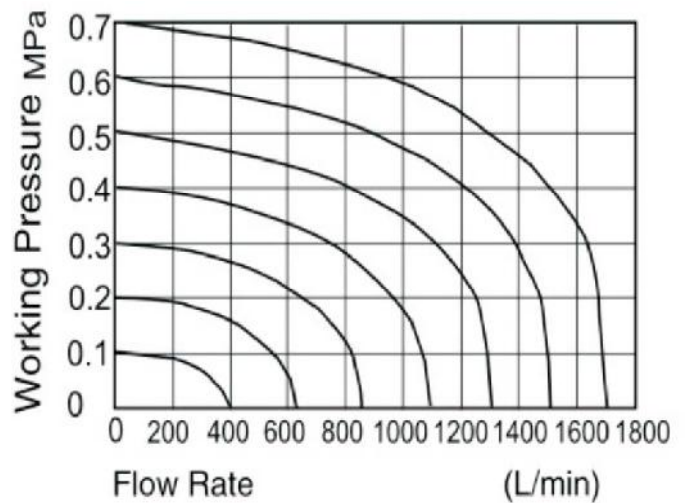
PHI SERIES 3/2, 5/2 & 5/3 WAY SOLENOID VALVES

Flow Characteristics

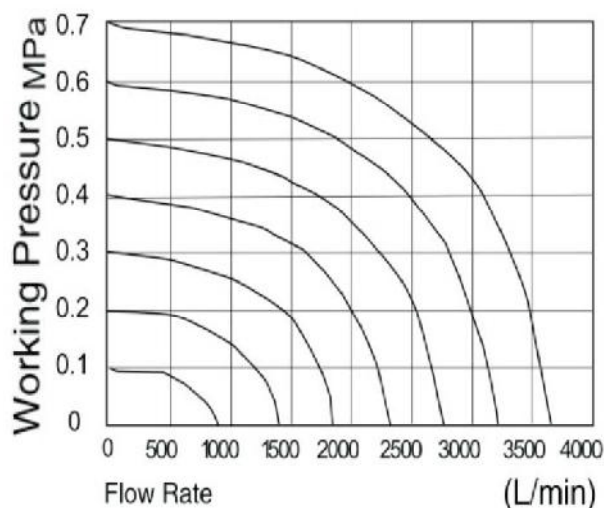
Size : 1/8"



Size : 1/4"



Size : 3/8" & 1/2"

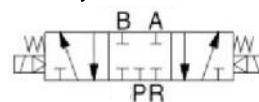


Symbols

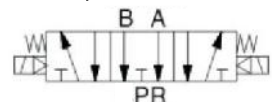
5/2 Way Single and Dual Solenoid



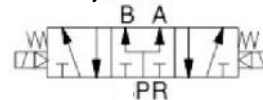
5/3 Way Centre Closed



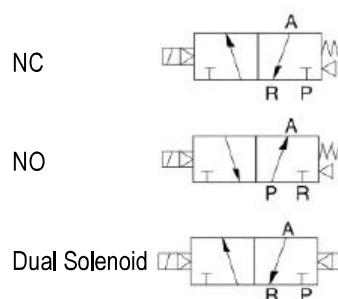
5/3 Way Centre Pressure



5/3 Way Centre Exhaust



3/2 Way Construction



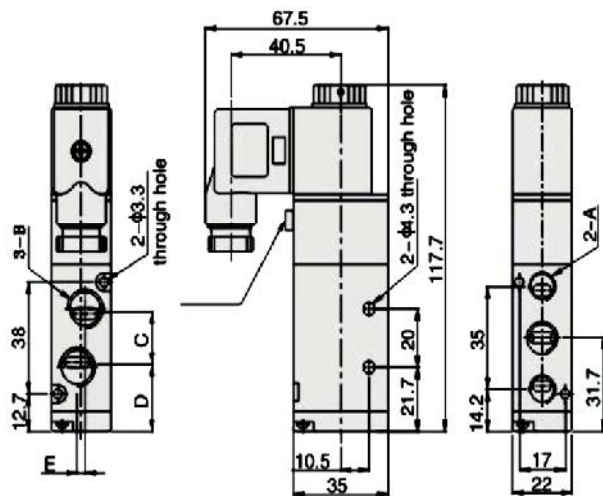
Main Parts Material

Part Name	Material
Valve Body	Aluminium Alloy
Spool	Aluminium Alloy
Seals & O-rings	NBR
Piston	POM
Plate	Steel
Rear Cover	Zinc Alloy
Springs	St. Steel
Screw	Steel
Connector	Plastic

PHI SERIES 3/2, 5/2 & 5/3 WAY SOLENOID VALVES

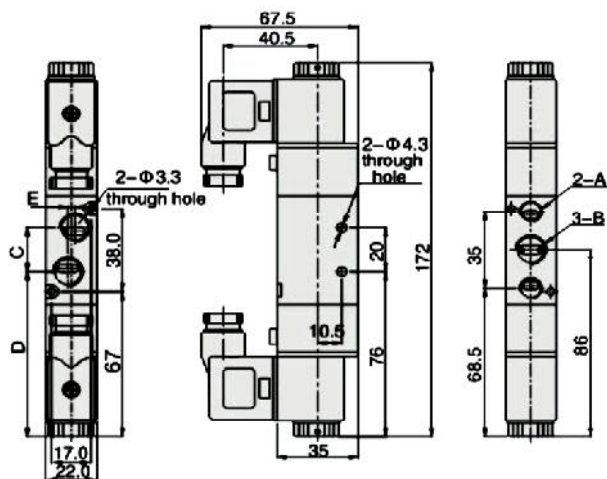
Main Dimension (mm)

5/2 Way Single Solenoid, Size : 1/8" & 1/4"



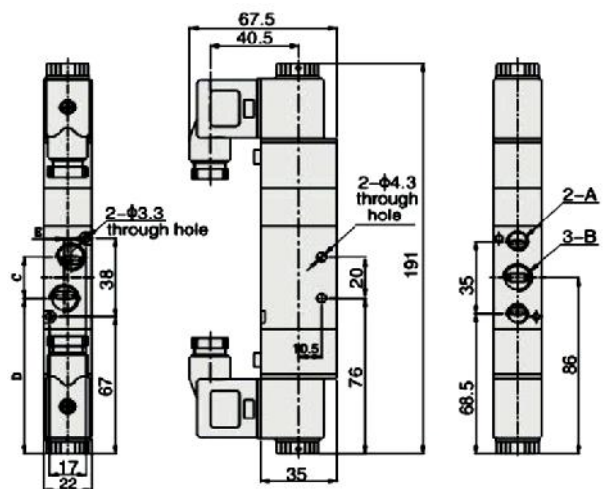
SIZE	A	B	C	D	E
1/8	1/8	1/8	18	22.7	0
1/4	1/8	1/4	20	21.7	3

5/2 Way Dual Solenoid, Size : 1/8" & 1/4"



SIZE	A	B	C	D	E
1/8	1/8	1/8	18	77	0
1/4	1/8	1/4	20	76	3

5/3 Way Solenoid, Size : 1/8" & 1/4"



SIZE	A	B	C	D	E
1/8	1/8	1/8	18	77	0
1/4	1/8	1/4	20	76	3