

SOLENOID VALVES

200 THRU 800 SERIES- SOLENOID VALVES



1/8" thru 1/2" Ports

SV808-543B-110A-SRL



SV406-542D-110A-SRL

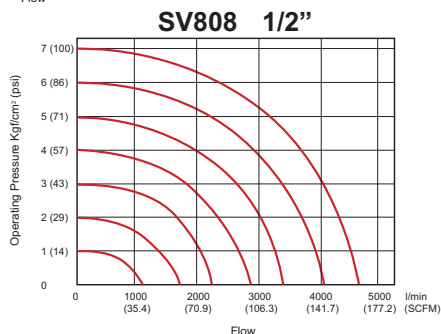
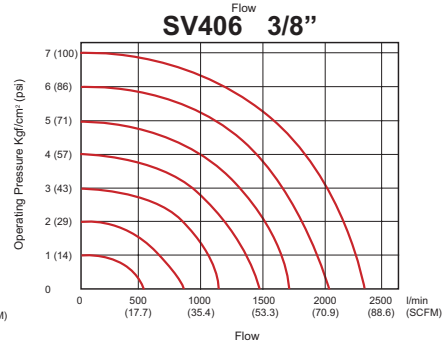
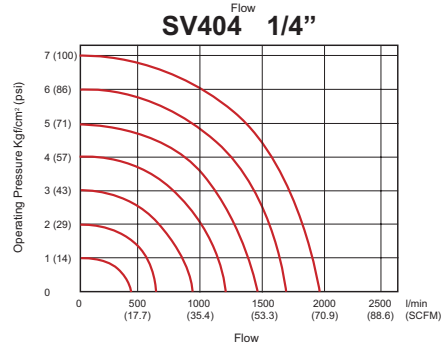
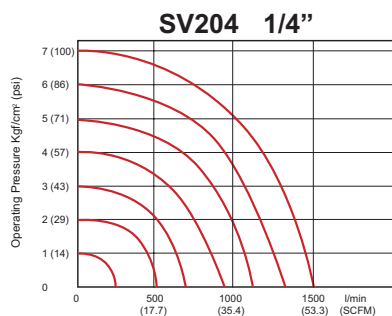
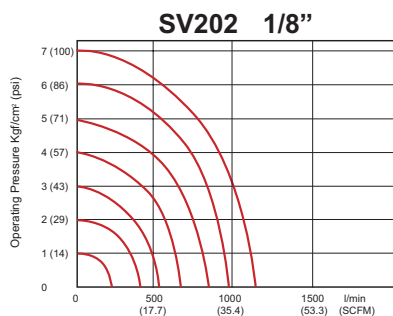
SV202-542S-110A-SRL

Solenoid Valves- 200 thru 800 Series

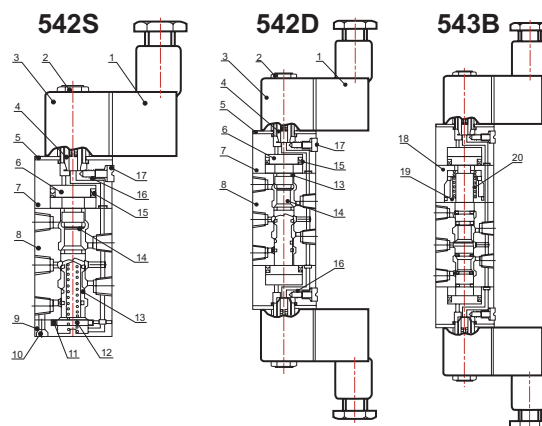
Specifications

- Media:** Air (No other gases or liquids)
- Operation:** Solenoid (Direct Acting)
- Function:** 5 port, 4 way
- Operation Temp. Range:** 41 - 140°F (5 - 60°C)
- Maximum Pressure:** 135 psi (9.3 bar)
- Working Pressure:** 21 - 114 psi (1.5 - 8.0 bar)
- Orifice:** 200 Series: 12 mm² - 16 mm²
400 Series: 18 mm² - 30 mm²
800 Series: 30 mm² - 50 mm²
- Flows:**
- Lubrication:** None Required
- Maximum Cycle Rate:** 200 Series: 5 cycles/ second
400 Series: 4 cycles/ second
800 Series: 3 cycles/ second
- Insulation:** Class F
- Power Consumption:** AC: 4.5 VA DC: 3.0 W

Flow Data



Parts Breakdown



No.	Name	No.	Name
1	Connector	11	Bottom Cover Gasket
2	Nut	12	Spool Spring
3	Coil	13	Spool O-Ring
4	Armature Assembly	14	Spool
5	Fixed Plate	15	Piston O-Ring
6	Piston	16	Override Spring
7	Pilot Kit	17	Manual Override
8	Body	18	Side Cover
9	Bottom Cover	19	Spring Holder
10	Fixed Screw	20	Return Spring



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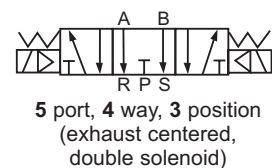
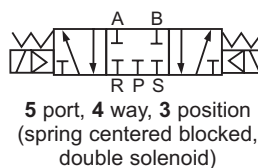
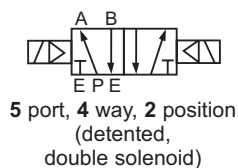
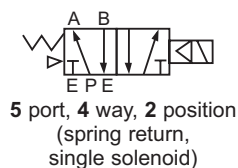


1/8" thru 1/2" Ports

Construction Material

Name	542S	Material	542D	543B	Name	542S	Material	542D	543B
Body		Aluminum Alloy			Fixed Plate		Nickel Plated Steel		
Spool		Aluminum Alloy			Nut		Plastic		
Manual Override O-Ring		NBR			Manual Override		Plastic		
Connector Gasket		NBR			Bottom Cover		200 Series: NBR 400/800 Series: Zinc Alloy		
Spool O-Ring		HNBR			Manual Override Spring		Stainless Steel		
Bottom Cover Gasket	NBR				Spool Spring		Stainless Steel		
Pilot Gasket		NBR			Pilot Body		PBT+Glass Fiber		
Connector		Plastic			Fixed Screw		Iron		
Return Holder O-Ring				NBR	Coil Cover		Heat-Resistant Resin		
Return Kit				Copper	Manifold		Aluminum Alloy		
Side Cover				Aluminum Alloy	Piston		Plastic		
Return Spring				Stainless Steel	Armature		Pure Iron		
Return Spring Kit				Copper					

Symbols



Ordering Information

SV - 204 - 542D - 110A - SR

Code	Description	Model	Port Size	Coil Voltage	Code	Electrical Connector
SV	Solenoid Valve	202	1/8"	omit (none)	omit	none
		204	1/4" (1/8" Exhaust)	12D (DC)	SR	Strain Relief (standard)
		404	1/4"	24A (AC)	CD	1/2" Conduit
		406	3/8" (1/8" Exhaust)	24D (DC)	LW	Lead Wire 36"
		808	1/2"	48A (AC)	CDL	1/2" Conduit-Lighted
				110A (AC)	LWL	Lead Wire 36"-Lighted
				220A (AC)		

Code	Standard Configurations
542S	5 port, 4 way, 2 pos., spring return
542D	5 port, 4 way, 2 pos., detented (double solenoid)
543B	5 port, 4 way, 3 pos., spring centered- all ports blocked (double solenoid)
543F	5 port, 4 way, 3 pos., exhaust center- P blocked, A & B to exhaust (double solenoid)



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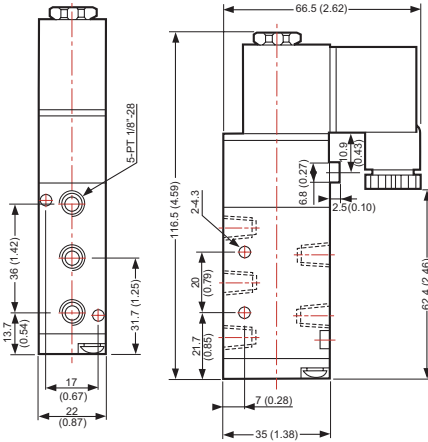
1/8" thru 1/2" Ports

Units: mm/ (Inch)

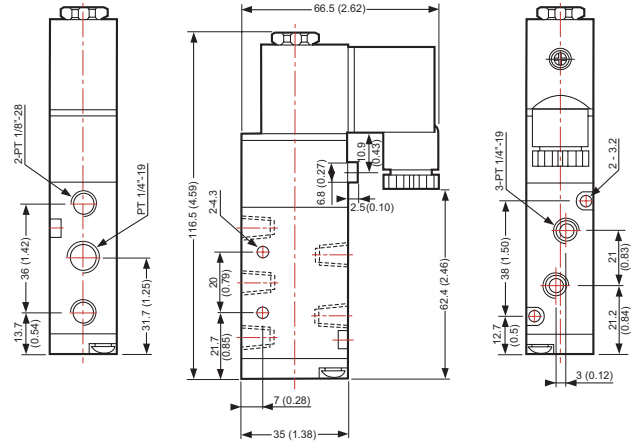
Dimensional Data

200 SERIES

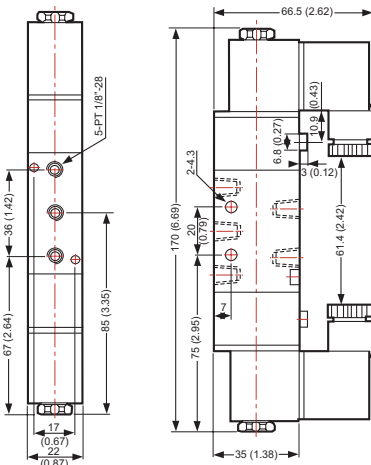
SV202-542S



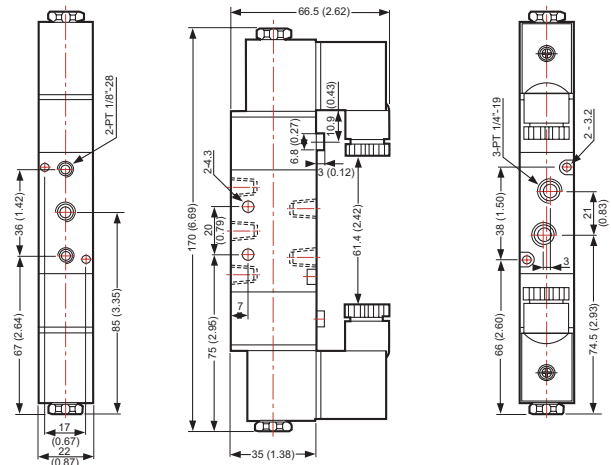
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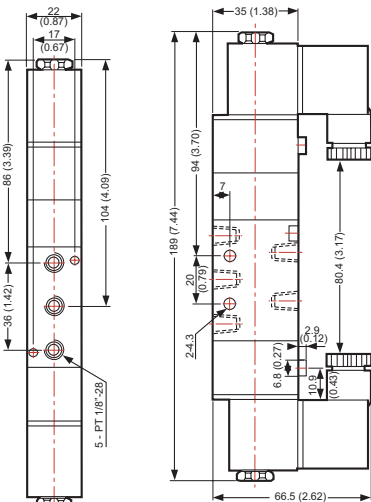
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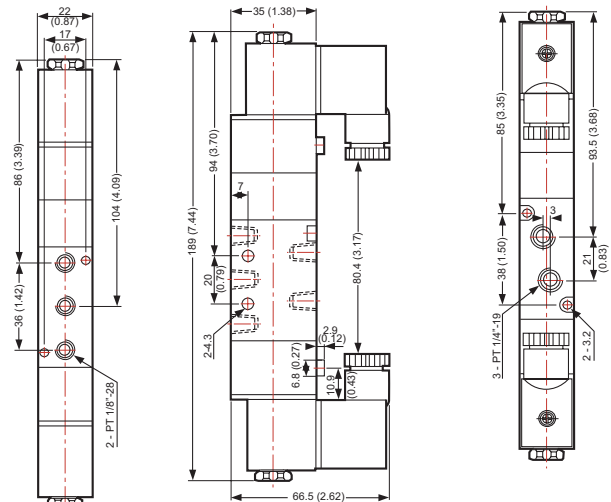
SV204-542D



SV202-543B



SV204-543B



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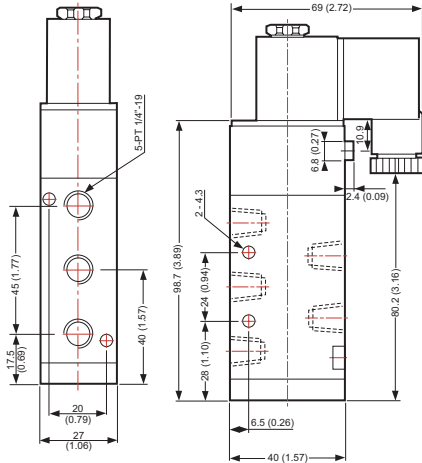
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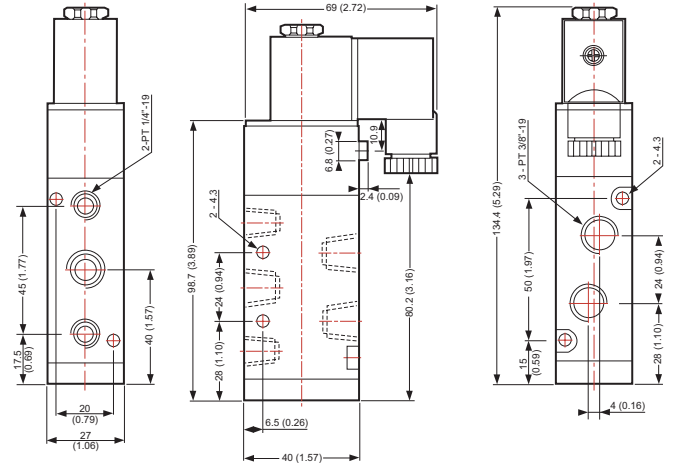
Dimensional Data

400 SERIES

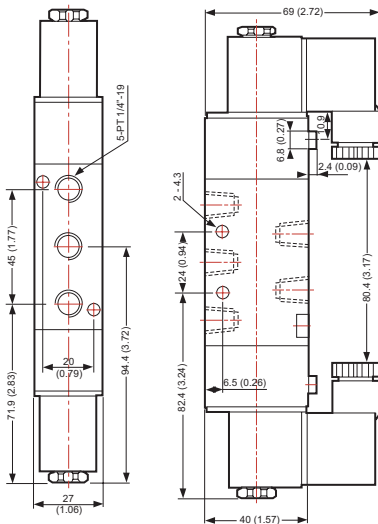
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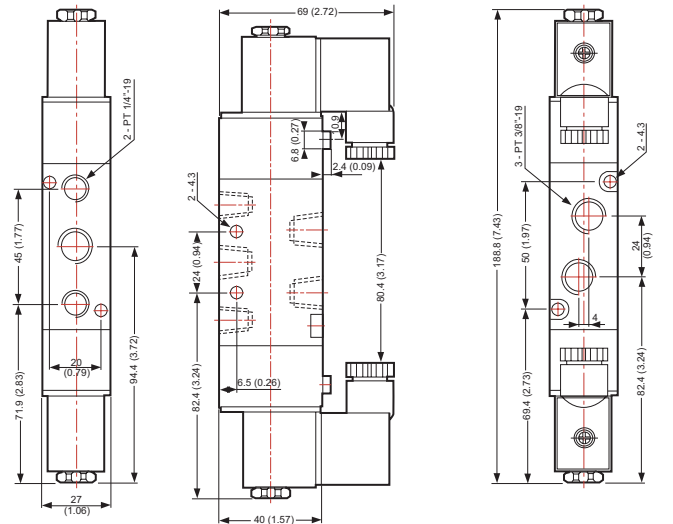
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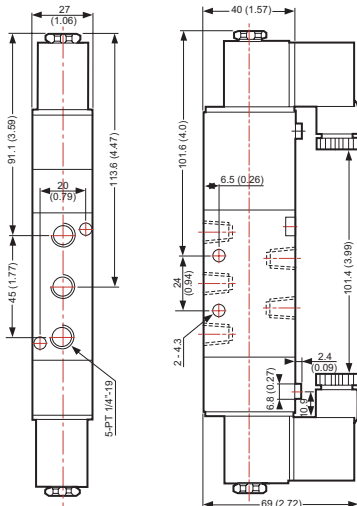
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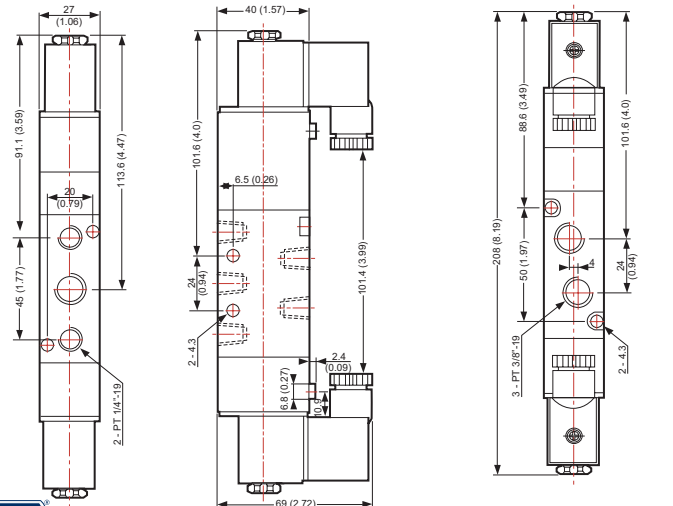
SV406-542D



SV404-543B



SV406-543B



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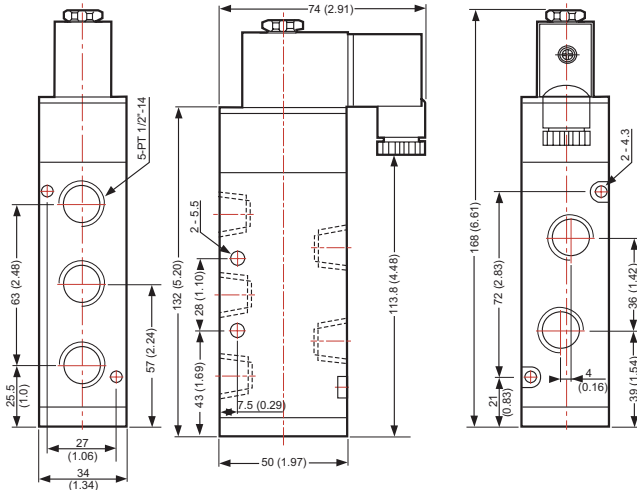
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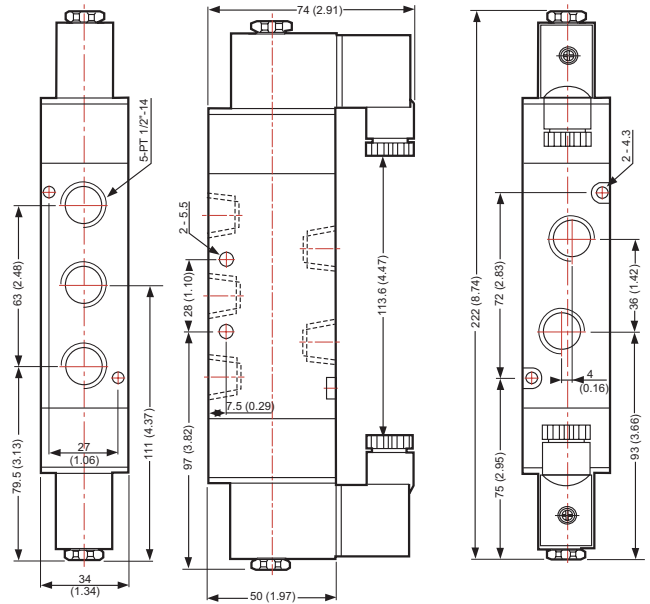
Dimensional Data

800 SERIES

SV808-542S



SV808-542D



SV808-543B

