



INDUSTRIAL FLUID POWER COMPONENTS
AND SYSTEMS

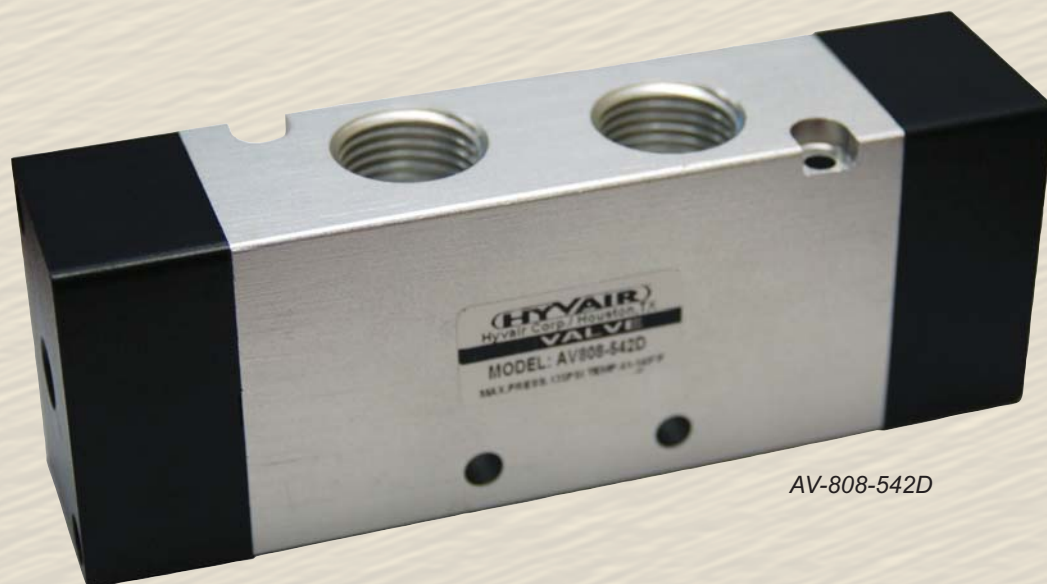


AV SERIES

Air Piloted Valves



AV-406-542S



AV-808-542D

Features

- Available: 1/8", 1/4", 3/8" and 1/2" ports
- All 4-way valves may be manifold mounted
- U-cup type seals allow low shifting pressures and avoid sticking
- Anodized aluminum spools
- Same base valve also available as SV series, solenoid valve
- Dual porting available in 200/ 400 series



Specifications

- **Media:** Air (No other gases or liquids)
- **Operation:** Direct Air Pilot
- **Operation Temperature Range:** 41°-140°F (5°-60°C)
- **Max. Pressure:** 135 psig (9.3 bar)
- **Working Pressure:** 20 - 100 psig (1.4 - 6.9 bar)

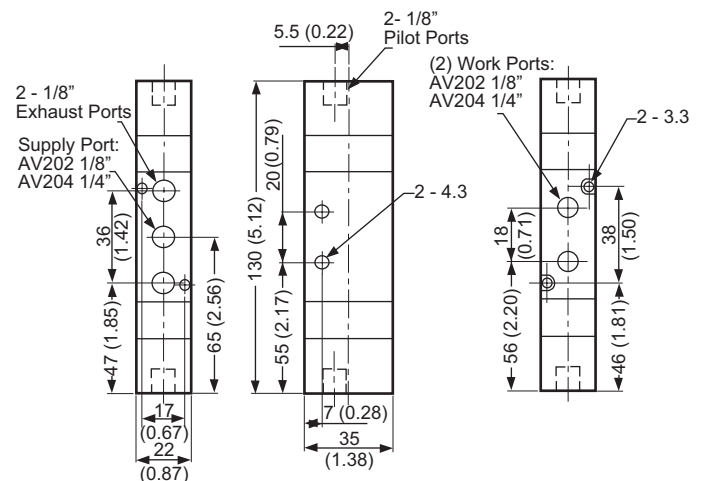
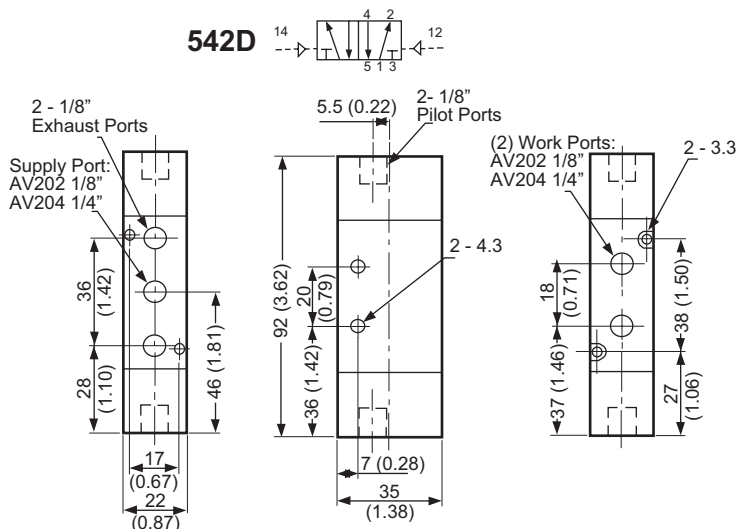
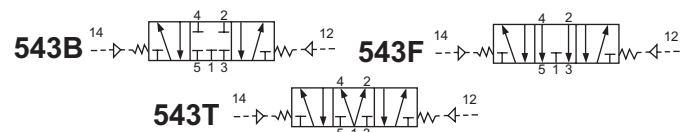
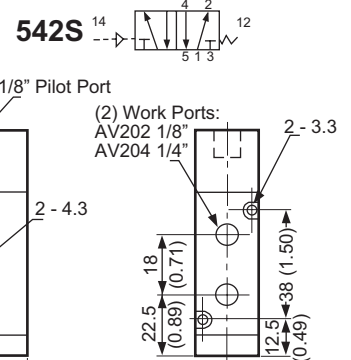
Flows:	Two Position	Three Position (spring centered)
AV-202 (1/8")	Cv=0.7	Cv=0.6
AV-204 (1/4")	Cv=0.8	Cv=0.6
AV-404 (1/4")	Cv=1.4	Cv=1.0
AV-406 (3/8")	Cv=1.6	Cv=1.0
AV-808 (1/2")	Cv=2.7	Cv=1.6

- **Lubrication:** None Required
- **Max. Response Time:** Pilot 30ms @80 psi/ Spring- 50ms
- **Max. Cycle Rate:**
 - Series 200 5 cycles/ second
 - Series 400 4 cycles/ second
 - Series 800 3 cycles/ second

Dimensional Data

Units: mm/ (Inch)

200 SERIES 1/8", 1/4"





AV Series

Air Piloted Valves

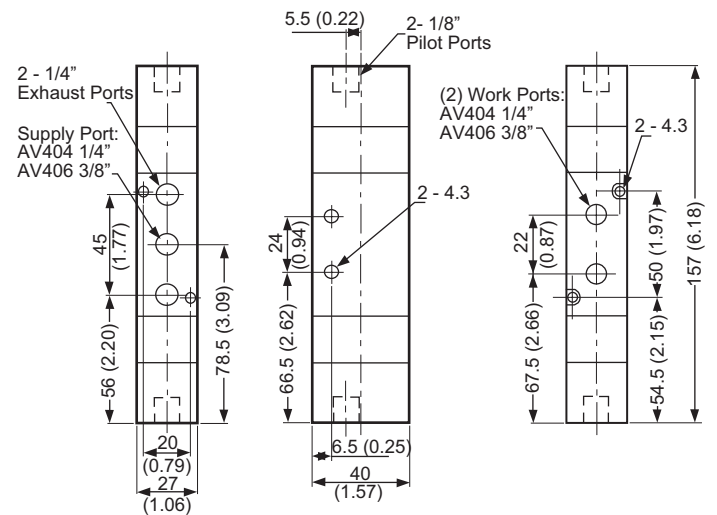
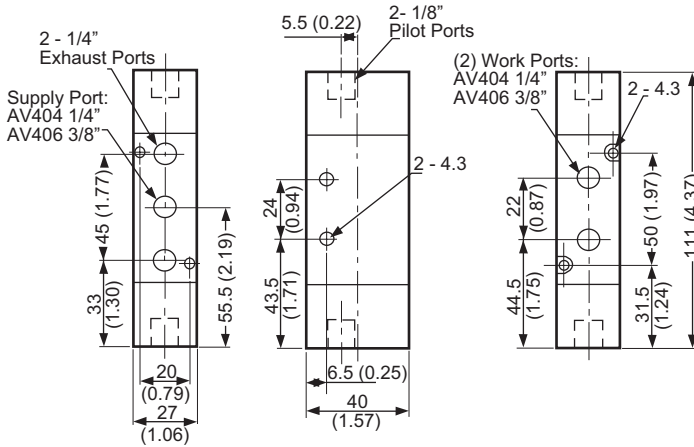
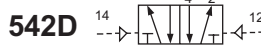
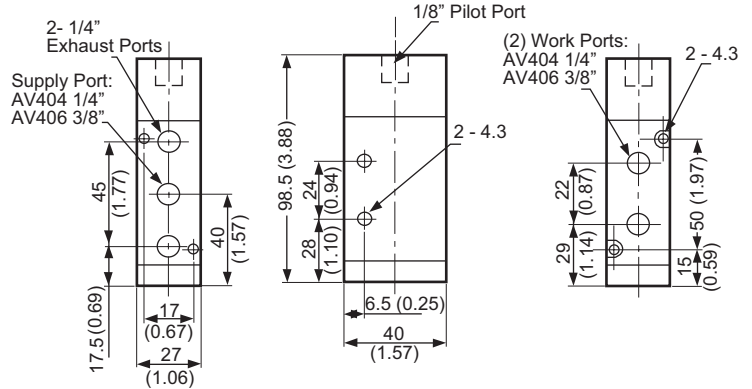
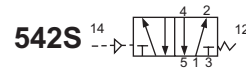
Dimensional Data

Units: mm/ (Inch)

400 SERIES 1/4", 3/8"



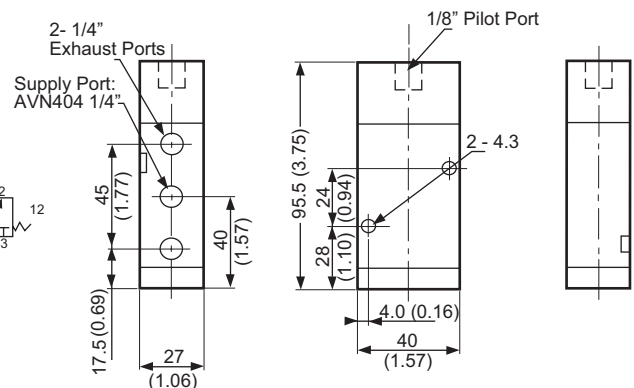
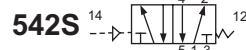
AV-406-542S



400 SERIES NAMUR 1/4"



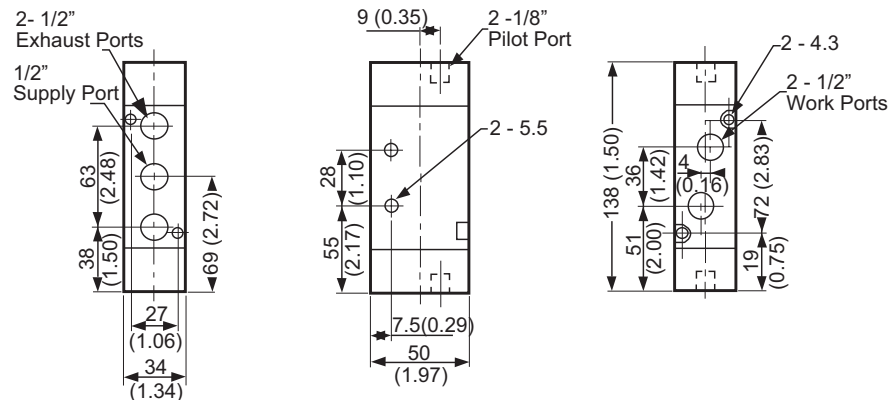
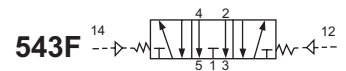
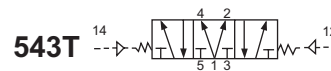
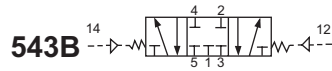
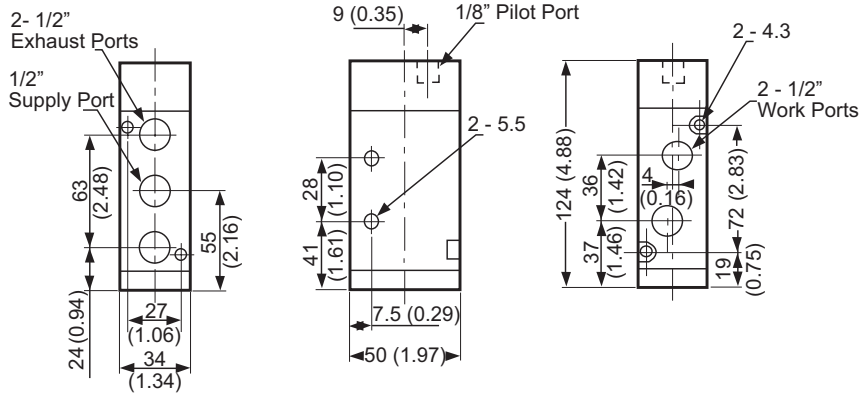
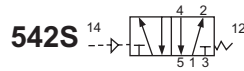
AVN-404-542S



Dimensional Data

Units: mm/ (Inch)

800 SERIES 1/2"



Ordering Information

AV - 404 - 542S

AV Series Air Piloted Valves AVN Series Air Piloted Valves Namur Mount	202	1/8" Ports	542S 5 Port, 4 Way, 2 Pos. Spring Return (Single Pilot)
	204	1/4" Ports (1/8" Exhaust)	
	404	1/4" Ports	
	406	3/8" Ports (1/4" Exhaust)	
	808	1/2" Ports	
			542D 5 Port, 4 Way, 2 Pos. Detented (Double Pilot)
			543B 5 Port, 4 Way, 3 Pos. Spring Centered (Double Pilot) All Ports Blocked

See dimensional information for other 543 spools available.