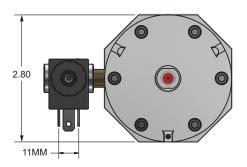


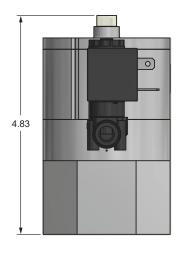
Series APVS15

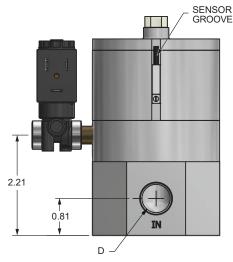
The Spartan Scientific APVS15 is an inert gas/spring operated, Single Acting Normally Closed, or Double Acting media compatible diaphragm valve designed for control of high purity, aggressive and corrosive liquid chemical media. With a small overall footprint, and low dead volume, the APVS15 features CPVC bodies, and FKM, EDPM and NBR elastomers to control orifice sizes 16mm and 20mm which afford Cv ratings of 4.70 and 10.9 that far exceed competitive valves of this type. Pressure ratings go from 10 to 100 psi depending on orifice size and each valve is tested to bubble tight standard ANSI FCI 70-2 Class VI. The APVS15 can be controlled by our proven Spartan Scientific 3-way solenoid pilot valve which enhances operation with manual override and indicator lighted connector options. The Normally Closed version features an optical position indicator showing valve open condition. The APVS15 is used where sampling, draining, or transferring process fluid are performed. A Normally Open version can be made using a Normally Open pilot valve. In the case of pilot gas failure, the valve will fail closed. In the case where electric power is lost but pilot gas remains, the valve will remain open. An optional magnetic piston is available for end of stroke sensing when combined with the additional valve position sensor.

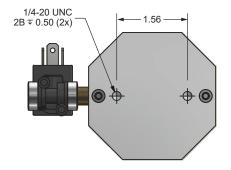
Dimensional Data

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED









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DIFFERENTIAL PRESSURE CHART			
Port Size NPT (D)	Orifice Size	GPM @ 100 psi	Pilot Pressure (psi)
1/2"	16mm	30	60-100
3/4"	16mm	50	60-100
3/4"	20mm	58	60-80





Series APVS15

Technical Data

Function: Single Acting Normally Closed; or Double Acting,

Air Piloted, media separated diaphragm valve

Port Size: 1/2" NPT

3/4" NPT

(Others available on request)

 Orifice Sizes / Flow Factor:
 16mm / 4.70 Cv 20mm / 10.9 Cv

 Pressure Range:
 10 to 100 psi

Pilot Pressure Range: 60 to 100 psi

(depending on orifice size)

Temp. Range: Fluid Max.: +60°C

5 meter female 3 pin

Pilot Valve Lighted Connector 6ft PVC Cable, Ground Down Pilot Options 2, A - 12VDC

Pilot Options 3, B - 24VDC

Pilot Options 4, C - 120VDC

Pilot Options 7, F - 120VAC

Pilot Options 8, G - 220VAC

Pilot Options 9, H - 240VAC

Dry Range: Ambient +10°C to +50°C

Media: All fluids and gases compatible with wetted materials

Mounting: (2x) 1/4" - 20 UNC Tapped Holes, 0.5" DP. On pipe

Wetted Materials: Valve Body: CPVC (Others available on request)

Elastomers: FKM, NBR, EPDM,

Pilot Option Function: 3-Way, 2-Postion; Direct Acting;

Normally Closed, Normally Open Pressure Range: 60 to 100 PSI

Port Size: 1/8" NPT

Coil Data: Duty Cycle: Continuous (within specifications)

Encapsulation: Glass-Filled Nylon

Insulation: Class F
Power Rating: 6.5 Watts
8.5 VA

Voltage: 12, 24, 120 VDC 120, 220, 240 VAC 50/60 Hz Voltage Tolerance: +/- 10% Nominal

Winding: Class H

Connections: Spades: Terminals AMP 6.3x0.8 width 11mm

(Available in DIN Style "A" EN175301-803

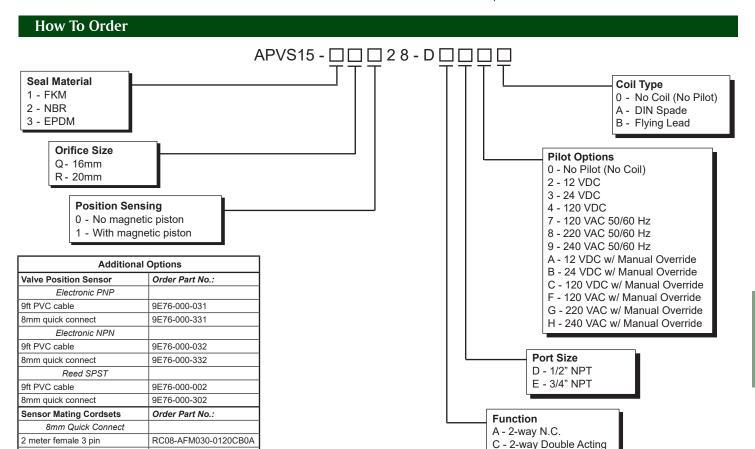
for 3.0mm orifice or larger)

Flying Lead: PVC 22 AWG, Multi-Strand Copper Wire,

300V, 12" minimum length

Packaged Weight: Piloted: 1.72 lbs.

Non-piloted: 1.5 lbs.



Order Example: APVS15-1Q028-DAD7A

FKM, 16mm Orifice size, No magnetic piston, 2-way N.C.,

1/2" NPT, 120 VAC 50/60 Hz, DIN Spade



RC08-AFM030-0150CB0A

Order Part No.:

5J560-201-US0A

5J560-201-US0A

5J560-501-US0A

5J560-501-US0A

5J560-801-US0A

5J560-801-US0A