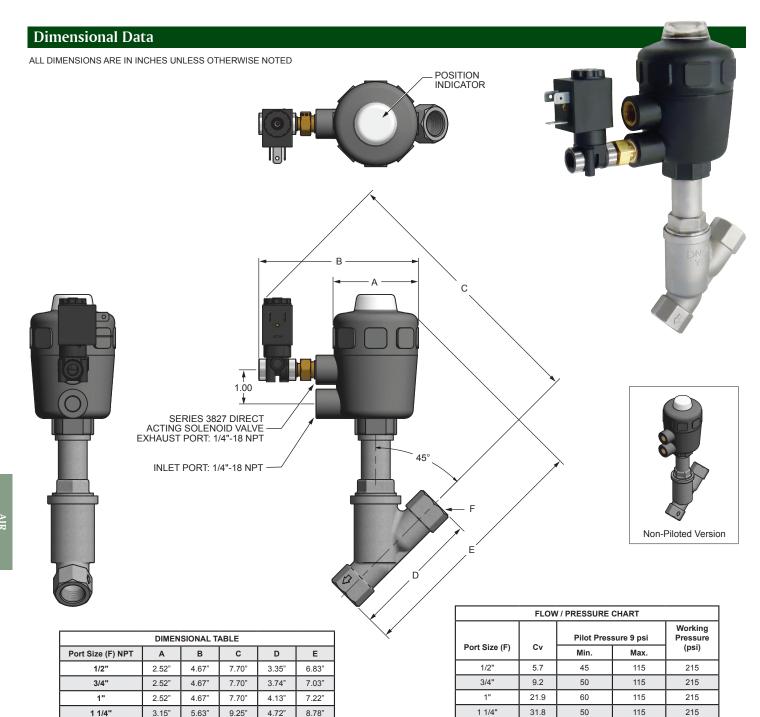


The Spartan Scientific Series APV-23 is 2-way, 2-position valve specifically designed for the control of air, oil or steam The Series APV-23 uses a specially designed Teflon Chevron® seal which ensures separation of the media and pilot sections. In the single acting Normally Closed version, the Series APV-23 uses a spring extended pneumatic operator connected to a sealing disc which when retracted unseats from a precision orifice and allows fluid flow. When pilot pressure is removed from the Series APV-23 the seat returns to the orifice and flow stops. Features of the Series APV-23 are the ON-OFF indicator at the top of the pneumatic actuator and can be used for high temperature liquids compatible with the materials of construction and steam. The stainless steel body is standard and is available in sizes ranging from 1/2" to 2.0" NPT and can control media up to 215 psi in various configurations.





5.12

9.50

8.98

3.15"

3.15"

5.75

1 1/5'

2"

P.O. Box 9792 • Boardman, Ohio 44513 PH: (855)629-4648 • Fax: (330)758-3314 www.spartanscientific.com

1 1/2"

2"

48.5

50

60

115

115

215

215

Series APV-23

Technical Data

Function: 2-Way, 2-Position; Remote Air Pilot; Normally Closed

Port Size / 3/4" NPT Flow Factor:

1" NPT 1 1/4" NPT 1 1/2" NPT 2" NPT

(BSP available on request)

Orifice Sizes: 15mm / 5.70 Cv

20mm / 9.2 Cv 25mm / 21.9 Cv 32mm / 31.8 Cv 40mm / 48.5 Cv 50mm / 60.1 Cv

Pressure Range: Main valve: 0 to 215 psi

Pilot pressure: 45 to 115 psi

Temp. Range: Fluid max.: +60°C

Dry Range: Ambient +10° to +50°C

All fluids and gases compatible with wetted materials Media:

Mounting: On pipe

Wetted Materials: Valve Body: 300 Series Stainless Steel and PTFE

Coil Data: Duty Cycle: Continuous (within specifications)

Encapsulation: Glass-Filled Nylon

Insulation: Class F

Power Rating: 6.5 Watts VDC 8.5 VA (others available on request) Voltage: 6, 12, 24 VDC 24, 120, 220, 240VAC 50/60 Hz Voltage tolerance: +/- 10% Nominal

Winding: Class H

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

> (Available in DIN 43650 Form "A" / ISO 4400, EN175301-803:2000 for 3.0mm orifice or larger) Flying Lead: PVC 22 AWG, Multi-Strand Copper Wire,

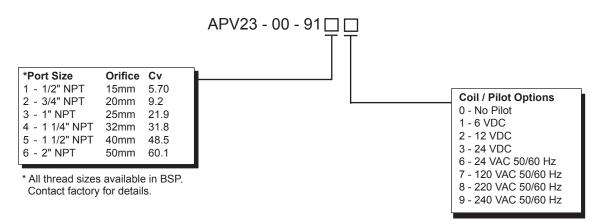
300V, 12" Length

Packaged Weight: 1/2": 1.78 lbs. 1 1/4": 3.80 lbs.

3/4": 1.97 lbs. 1 1/2": 4.55 lbs. 2.29 lbs. 2": 6.40 lbs.

(add 0.25 lbs. for pilot)

How To Order



PTFE Seal and Gasket Kits

Description - Model Number 1/2" NPT - APV23-T1-0000 3/4" NPT - APV23-T2-0000 1.0" NPT - APV23-T3-0000 1.25" NPT - APV23-T4-0000 1.5" NPT - APV23-T5-0000 2.0" NPT - APV23-T6-0000

Order Example: APV23-00-9127

APV23, 3/4" NPT port size,

120 VAC 50/60 Hz

