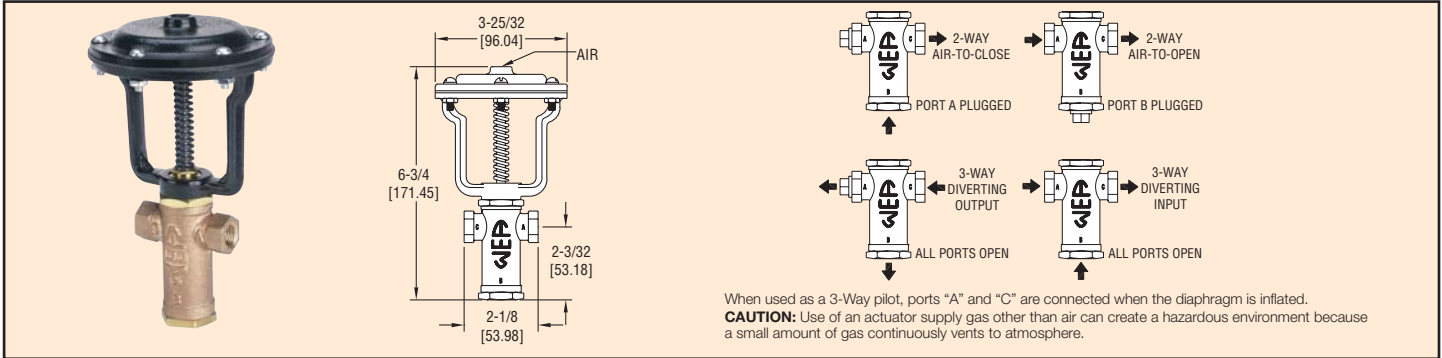




Series  
2V

# Pneumatic Pilot Valves

Two-Way and Three-Way Valves — Air — Water — Gas — Steam Service



When used as a 3-Way pilot, ports "A" and "C" are connected when the diaphragm is inflated.  
**CAUTION:** Use of an actuator supply gas other than air can create a hazardous environment because a small amount of gas continuously vents to atmosphere.

**W.E. Anderson Series 2V Pneumatic Pilot Valves** are compact, combination Two-Way/Three-Way globe valves. Minimal actuator volume and short valve stroke combine to deliver quick, positive action. Ideal for use in boosting response time of diaphragm actuators or as lock-in/lock-out devices.

### MODELS

MODEL NUMBER	OPERATION
2VA14000	TWO-WAY, AIR-TO-CLOSE
2VB14000	TWO-WAY, AIR-TO-OPEN
2VJ14000	THREE-WAY

### Suggested Specification

Pneumatic Pilot Valve shall be 2-Way/ 3-Way design in compact size. Body shall be precision-machined Cast Bronze suitable for air, water, gas or steam service with tight shutoff at maximum fluid operating pressures. Actuator shall be of rugged Cast Iron construction with readily accessible spring compression nuts permitting easy pneumatic range adjustment. Pneumatic Pilot Valve shall be W.E. Anderson Model No. \_\_\_\_ configured for (2-Way, Air-To-Close) (2-Way, Air-To-Open) (3-Way) operation.

### SPECIFICATIONS

#### VALVE BODY

**Service:** Compatible liquids, gases, and steam.

**Line Size:** 1/4".

**Body Style:** 2-way or 3-way globe.

**End Connections:** Female NPT.

**Pressure Limit:** Gases and liquids: 100 psi (7.00 bar) @ 170°F (77°C), Steam: 60 psi (4.14 bar) @ 274°F (134°C).

#### Wetted Materials:

**Body Material:** Bronze.

**Trim:** Composition.

**Stuffing Box:** Brass.

**Packing:** Rope.

**Temperature Limits:** Gases and liquids: 170°F (77°C), Steam: 274°F (134°C).

**Flow Rate:** Cv is 1.5 at 100% open.

**Weight:** 2.6 lb (1.2 kg).

#### ACTUATOR

**Type:** Pneumatic spring/diaphragm.

**Control Signal:** 0 to 30 psi (0 to 2.07 bar).

**Air Connection:** 1/8" female NPT.

**Diaphragm:** Natural rubber, cotton insert.

**Diaphragm Support Plate, Housing, Yoke:** Cast Iron.

**Spring:** Plated Steel.

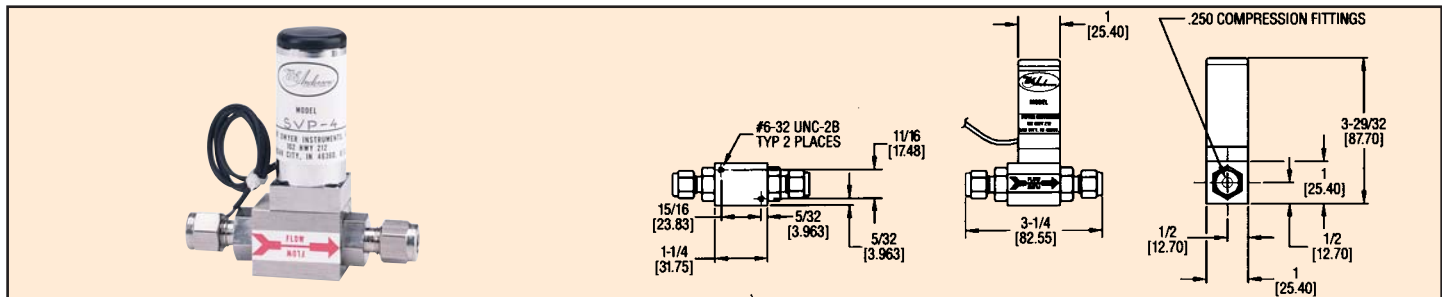
**Temperature Limit:** 150°F (66°C).



Series  
SVP

# Proportioning Solenoid Valve

Low Cost, Stainless Steel Construction, 0-24 VDC Input



The **Series SVP** is a low cost, uniquely designed solenoid valve which controls or regulates flow in proportion to a variable voltage input. While most solenoid valves simply provide on/off service, this unit adds a totally new dimension to solenoid valve performance. Reacting to a 0-24 VDC input signal, the valve opens in proportion to the voltage applied, delivering just the right amount of flow needed. Compatible with a wide range of gases and liquids, this unit provides the solution to even the most demanding applications like process control, chemical mixing, high tech manufacturing and laboratory testing. Another quality feature of this valve is its tight shut-off (NC) when de-energized.

### SPECIFICATIONS

**Service:** Compatible gases.

**End Connections:** 1/4" compression fitting.

**Pressure Limits:** 500 psig (34.45 bar).

**Wetted Materials:** 316 and 416 SS, Viton® O-rings.

#### Temperature Limits:

**Process:** -40 to 174°F (-40 to 79°C).

**Ambient:** -40 to 130°F (-40 to 54°C).

**Type of Operation:** Normally closed, valve will close when de-energized.

**Voltage Input:** 0-24 VDC.

**Max. Operating Current:** 400 mA.

**Electrical Connections:** (M) spade type.

**Maximum Differential Pressure:** 50 psid (3.45 bar).

**Weight:** 12 oz (340 g).

### MODELS

MODEL NO.	ORIFICE IN. (MM)	Cv	MAXIMUM FLOW*	
			AIR SCFH (LPM)	WATER GPH (CC/M)
SVP-1	0.020 (0.51)	0.009	7.4 (3.5)	2.0 (125)
SVP-2	0.040 (1.02)	0.033	27.5 (13)	6.4 (400)
SVP-3	0.055 (1.40)	0.055	45.6 (21.5)	11.1 (700)
SVP-4	0.063 (1.60)	0.068	53 (25)	13.5 (850)

\*Based on 10 psig (69 kPa) inlet pressure and atmospheric exhaust