



Actual Size

Humphrey®

Build on Our Experience.

Corrosion Resistant
316 Stainless Steel

Chemical-/Temperature-
Tolerant Viton®

SS250A Air Valve

Need a Valve That Can Last?

Then you need Humphrey's **SS250A Air Valve**, featuring our exclusive double diaphragm design in 2-way and 3-way models only. Its stainless steel body is perfect for use where corrosion, chemical, and temperature resistance are a primary consideration.

Features:

- Simple and Reliable
- Versatile
- Pressure operated
- Spring and pressure returned
- No O-rings
- No sliding seals
- No lubrication required
- No sticking
- Tolerates clean/dry or dirty/wet air
- Short stroke (.060")
- Fast response
- 1/4-inch NPT
- Full 1/4-inch orifice
- High air flow
- Compact size
- Mounts in any position

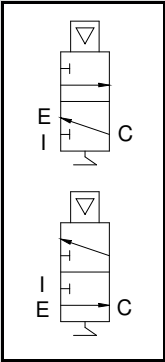
Applications:

- Exterior environments compatible with valve materials, specs and design
- Offshore
- Onshore
- Process control
- Instrumentation
- Panel work
- Non-lubricated or lubricated applications
- Ships
- Trucks
- Other vehicles
- Clean rooms
- Processing
- Washdown areas
- Infrequent and/or rapid cycling applications

Specifications

MEDIA:
Air or inert gasses
PRESSURE RANGE:
 Normally closed..... 0-125 PSIG
 Normally open.....0-60 PSIG
 Optimum cycle life..... to 60 PSIG
TEMPERATURE RANGE:
 0°F to 400°F (-17.7°C to 204°C)
AIR FLOW (SCFM to atmosphere):
 Multiply PSIG x 0.6
OPERATING SPEEDS:
 To 600 CPM
WEIGHT.....11.5 OZ

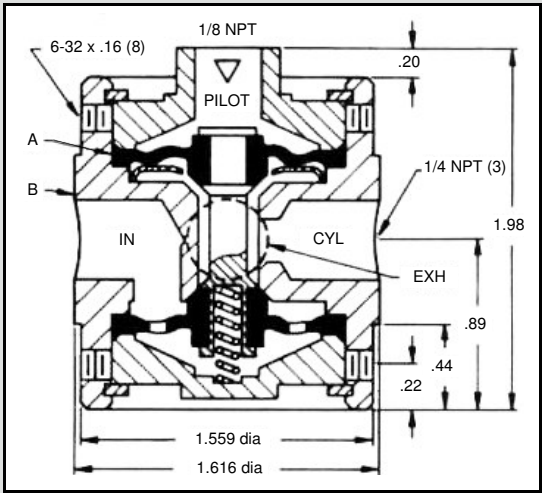
2-/3-Way



Normally Closed-
Connect pressure source to "IN."
For 2-Way, plug "EXH" port.

Normally Open-
Connect pressure source to "EXH."
("IN" port becomes exhaust.)
For 2-Way, plug "IN" port.

Response and Fill/Exhaust Times (seconds) at 100 PSIG/72°F								
SS250A	Length of Pilot Line .170 I. D.				10 Inch ³ Chamber		100 Inch ³ Chamber	
	5'	10'	20'	30'	Fill 0-80	Exhaust 100-20	Fill 0-80	Exhaust 100-20
Open	.011	.021	.046	.072	.038	.076	.330	.720
Close	.018	.035	.072	.118				



Minimum Pilot Pressure Requirements (PSIG)				
Valved Pressure	15	60	100	120
Normally Closed	18	40	75	100
Normally Open	20	57	NA	NA

Materials:

- A. Viton® "A" 70 ± 5 durometer Shore "A" scale
- B. 316 Stainless Steel, except 302 Stainless Steel (passivated) spring and PH-7Mo Stainless Steel retaining rings

Mounting Base:

Part No. 8-20A Order separately.
 2.250" sq. w/four .218 dia. holes on 1.593 centers.
 Attach to valve over 1.559 dia.
 Flat black painted mild steel w/four zinc plated #6-32 screws.

Find us on the web at www.humphrey-products.com.