



Meridian™ Actuated Ball Valve



FEATURES

- Full Port 316SS Ball Valve
- PTFE Seats and Seals
- Threaded Ends to ASM5. B1.20.1 (NPT)
- ISO 5211 Close Coupled Mounting Pad
- Double Acting or Spring Return
- Anodized Aluminum Actuator Body
- Suitable for Indoor/Outdoor Applications
- Temperature Range: -40°C to 100°C
- Maximum Differential Pressure: 600 PSIG
- Plant Instrument Air: 80 PSIG

ACCESSORIES

- Solenoid Valve
- Limit Switches

Model #M21SFAR-APDA: Double Acting
Model #M21SFAR-APSR: Spring Return

DIMENSION CHART (Actuator)

| Model | A | Width | B | C | ISO 5211 | WEIGHT (lb) | |
|-------|------|-------|------|------|----------|---------------|---------------|
| | | | | | | Double Acting | Spring Return |
| AP1 | 5.39 | 2.36 | 3.42 | 1/8" | F03 | 1.87 | 2.38 |
| AP2 | 5.90 | 2.87 | 4.05 | 1/4" | F04/F05 | 3.57 | 3.83 |
| AP3 | 8.03 | 3.34 | 4.72 | 1/4" | F05/F07 | 6.43 | 6.96 |

DIMENSION CHART (Valve)

| NPS | D | H | L | Weight (lb) | Cv |
|--------|------|------|------|-------------|-----|
| 1/4" | 0.31 | | 2.17 | 0.8 | 5.5 |
| 3/8" | 0.39 | 2.48 | 2.36 | 0.8 | 7.0 |
| 1/2" | 0.59 | | 2.95 | 0.9 | 9.8 |
| 3/4" | 0.79 | 2.72 | 3.15 | 1.2 | 33 |
| 1" | 0.98 | 2.99 | 3.54 | 1.8 | 47 |
| 1-1/4" | 1.26 | 3.23 | 4.33 | 2.9 | 81 |
| 1-1/2" | 1.50 | 3.90 | 4.72 | 4.2 | 105 |
| 2" | 1.97 | 4.25 | 5.51 | 7.2 | 360 |

DIMENSION CHART (Combined)

| NPS | Actuator Model | Height | Length | Width | WEIGHT (lb) | |
|--------|----------------|--------|--------|-------|---------------|---------------|
| | | | | | Double Acting | Spring Return |
| 1/4" | AP1 | 5.90 | 5.39 | 2.36 | 2.67 | 3.18 |
| 3/8" | AP1 | 5.90 | 5.39 | 2.36 | 2.67 | 3.18 |
| 1/2" | AP1 | 5.90 | 5.39 | 2.36 | 2.77 | 3.28 |
| 3/4" | AP1 | 6.14 | 5.39 | 2.36 | 3.07 | 3.58 |
| 1" | AP2 | 7.04 | 5.90 | 2.87 | 5.37 | 5.63 |
| 1-1/4" | AP2 | 7.28 | 5.90 | 2.87 | 6.47 | 6.73 |
| 1-1/2" | AP3 | 8.62 | 8.03 | 3.34 | 10.63 | 11.16 |
| 2" | AP3 | 8.97 | 8.03 | 3.34 | 13.63 | 14.16 |

