



Features & Benefits

- Stainless Steel Construction as Standard
- Designed for Actuator Control
- Larger Porting for High Kv
- Zero Pressure Rated
- Low power consumption version available
- Normally closed, Normally open, Mixing or Diverting
- Manual reset, override and latch options available
- ATEX approved
- Response time 75-100ms

Specifications

| | |
|------------------------|---|
| Function: | Normally Closed, Normally Open or Universal |
| Ambient Temperature: | -20°C to +40°C |
| Maximum Viscosity: | 115 SSU |
| Body Material (Std): | Stainless Steel 316 |
| Flange Tube: | Stainless Steel 303 |
| Plunger and Top Stop: | Stainless Steel 430FR |
| Springs: | Stainless Steel 302 |
| Seal Material (Std): | Nitrile (BunaN) |
| Connection type (Std): | NPT |
| Shading Coil: | Silver |

Electrical Characteristics

| | |
|------------------------------|---|
| Coil Voltage DC (=): | 12v, 24v, 110v |
| Coil Voltage AC 50Hz (-): | 24v, 110v, 120v, 230v |
| Coil Voltage AC 60Hz (-): | 24v, 110v, 120v, 220v |
| Voltage tolerance: | +10% or -10% |
| Duty Cycle: | 100% ED |
| Protection Class (Std): | IP67 (EExd) T6 |
| Electrical Connection (Std): | Cable connector from M20 X 1.5 Female conduit |
| Coil Insulation: | Class H (BS EN 60085) 180°C |
| Power: | 14.5 Watts |

Features

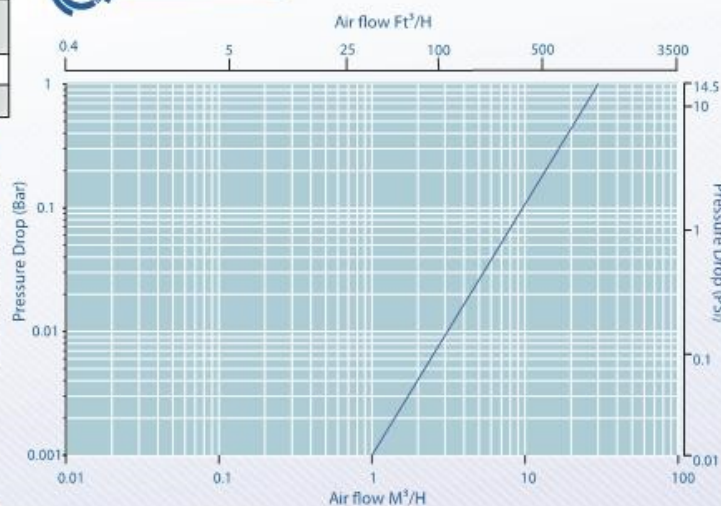
| Pipe Size | Qn | OPD (Bar) | | P.Max Bar | Orifice mm | Weight Kg |
|-----------|-----|-------------|-------------|-----------|------------|-----------|
| | | AC Voltages | DC Voltages | | | |
| 1/4" | 800 | 0 - 10 | 0 - 10 | 20 | 8.80 | 1.75 |
| 3/8" | 800 | 0 - 10 | 0 - 10 | 20 | 8.80 | 1.75 |
| 1/2" | 800 | 0 - 10 | 0 - 10 | 20 | 8.80 | 1.75 |

Qn = Flow of air in litres/min @ 20°C. Input 6 bar Δp of 1 bar

How to use the Flow Chart

1. Select the required flow.
2. Note the corresponding orifices/model and pressure drop.
3. Using orifices/model, (refer to the Features panel) for technical information

Flow Data



Morrel International S.r.l.

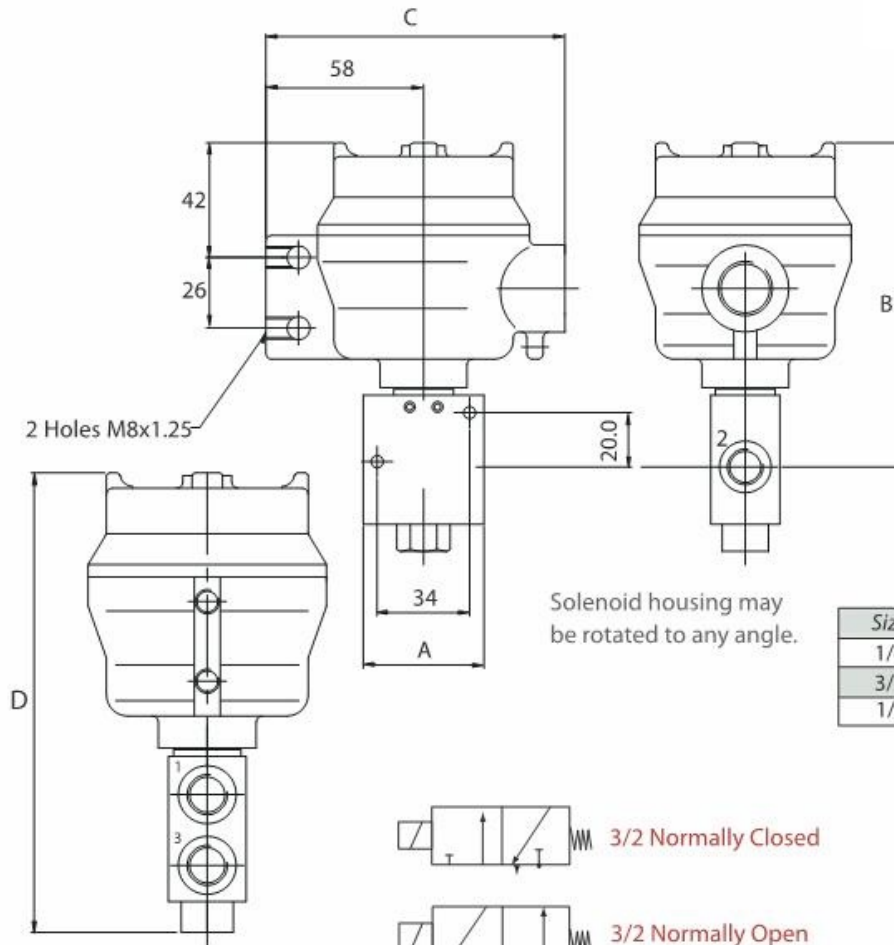
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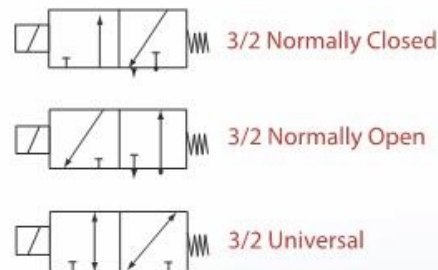
67 Series 3 Way 3/2 Closed/Open/Universal



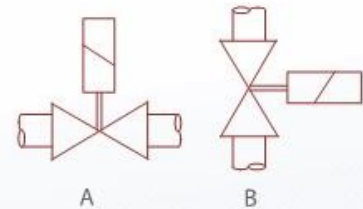
Dimensions

| Size | A | B | C | D |
|------|----|-----|-----|-----|
| 1/4" | 45 | 120 | 110 | 150 |
| 3/8" | 65 | 133 | 110 | 162 |
| 1/2" | 65 | 133 | 110 | 162 |

Dimensions given in mm



Mounting



Options

| Solenoid Enclosure | | |
|-----------------------------|-------------------------------|----------------|
| Protection Class | Electrical Entry | Ambient |
| IP65 (BS60529) | Plug supplied as std | -50°C to +40°C |
| EExd T4 (IP67) | M20 X 1.5 Female | -50°C to +70°C |
| Exm T5 (IP65) 24VDC only | M16 X 1.5 Male FLYING LEAD | -20°C to +40°C |

| Body Options |
|------------------|
| Manual Reset |
| Manual Override |
| Mechanical Latch |

| Seal Material | Media Temperature Range |
|---------------|-------------------------|
| EPDM | -50°C to +120°C |
| Viton | -20°C to +150°C |

See corrosion reference guide and sealing solutions for material compatibility

See solenoid enclosures for specific details

ATEX / CSA / IECEx EXD versions available
ATEX IECEx EXM version available

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