Features
- Compact spool valve with threaded port connections.
- All exhaust ports are pipable, providing better protection against harsh environments.
- Standard manual operator.
- DIN, Watertight and Explosionproof solenoids available.
- Single and dual solenoid constructions.
- Mountable in any position.

Construction

Valve Parts in Contact with Fluid

| Body                  | Black Anodized Aluminum |
| Spring                | Phosphate treated black steel |
| Shading Coil          | Copper |
| Seals                 | NBR + PUR |
| Core and Core tube    | Stainless Steel/Brass |
| End Covers            | 6/6 glass filled PA/FG |
| Spool                 | Aluminum |
| Internal Parts        | Zamak, Steel, CA, Aluminum |

Electrical

<table>
<thead>
<tr>
<th>Standard Coil and Class of Insulation</th>
<th>Enclosure Type</th>
<th>DC Watts</th>
<th>AC Watts</th>
<th>VA Holding</th>
<th>VA Inrush</th>
<th>AC Part Number</th>
<th>DC Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>F SC</td>
<td></td>
<td>3</td>
<td>2.5</td>
<td>3.5</td>
<td>6</td>
<td>400125</td>
<td>400125</td>
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<tr>
<td>F EF</td>
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<td>6.3</td>
<td>7</td>
<td>10.1</td>
<td>266762</td>
<td>270007</td>
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<tr>
<td>F WT</td>
<td></td>
<td>6.9</td>
<td>6.3</td>
<td>7</td>
<td>10.1</td>
<td>266763</td>
<td>270008</td>
</tr>
</tbody>
</table>

Standard Voltages:
- SC: 24, 120, 240 volts AC, 50-60 Hz; 12, 24, 120 volts DC.
- WT and EF: 24/50-60Hz, (120/60, 110-120/50)\(^\circ\), (240/60, 220-240/50)\(^\circ\) volts AC; 6, 12, 24, 120 volts DC.

Notes:
- Order as 120/60, 110/50
- Order as 240/60, 220/50

Solenoid Enclosures

Standard: - Prefix
- SC = IP65 type DIN (open frame) per 46244
- WT = Combination General Purpose and Watertight Types 1, 2, 3, 3S, 4, and 4X
- EF = Combination Explosionproof and Watertight Types 3, 3S, 4, 4X, 6, 6P, 7, 9
- CLASS 1, DIV. 1 (Groups A - D) and CLASS 2, DIV 1 Type 9 (Groups E-G)

Nominal Ambient Temperature Ranges:
- SC: AC/DC: 5˚F to +140˚F (-15˚C to 60˚C)
- EF: AC: 5˚F to +104˚F (-15˚C to 40˚C)
- DC: 5˚F to +77˚F (-15˚C to 25˚C)
- WT: AC: 5˚F to +140˚F (-15˚C to 60˚C)
- DC: 5˚F to +77˚F (-15˚C to 25˚C)

Note: For temperatures below 32˚F (0˚C) moisture-free air must be used. Refer to Engineering Section for details.

Approvals:
SC: UL recognized component.
EF: UL and CSA solenoid approval.
WT: UL General Purpose valve.
Meets applicable CE directives. Refer to Engineering Section for details.

Option:
- Metering: order metering device pkg. of 20 pcs.
  Order kit number: 276790-002-*.

NOTE: When mounting inline 8551 valves with WT & EF solenoids (6.3 & 6.9 watts), ASCO recommends using two (2) 1/8" thick washers under the valve body to provide clearance for the solenoid coil.
### Specifications (English units)

<table>
<thead>
<tr>
<th>Pipe Size (ins.)</th>
<th>Orifice Size (ins.)</th>
<th>Cv Flow Factor</th>
<th>Pilot Pressure (max)</th>
<th>Fluid Temp. °F (for single and dual solenoid)</th>
<th>Single Solenoid</th>
<th>Dual Solenoid</th>
<th>Watt Rating/Class of Coil Insulation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Min.</td>
<td>Max.</td>
<td>Min.</td>
<td>Max. AC</td>
<td>Max. DC</td>
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<tr>
<td><strong>OPEN FRAME DIN COIL</strong></td>
<td></td>
<td></td>
<td>Min.</td>
<td>Max.</td>
<td>Min.</td>
<td>Max. DC</td>
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<td>1/4</td>
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<td>150</td>
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<td>140</td>
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<td>150</td>
<td>5</td>
<td>140</td>
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<tr>
<td><strong>WATERTIGHT ENCLOSURE</strong></td>
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<td>Min.</td>
<td>Max.</td>
<td>Min.</td>
<td>Max. DC</td>
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<tr>
<td><strong>EXPLOSIONPROOF ENCLOSURE</strong></td>
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<td>Max.</td>
<td>Min.</td>
<td>Max. DC</td>
<td></td>
</tr>
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<td>150</td>
<td>5</td>
<td>104</td>
</tr>
</tbody>
</table>

### Dimensions: inches

#### Const. Ref. 1

- **Prefix SC Coil/Solenoid**
- **Prefix WT + EF Coil/Solenoid**
- **Shown with optional metering device**
- **Port 1 (Pressure Inlet)**
- **Port 2 (Cylinder)**
- **Port 3 (Exhaust)**
- **Coil Rotatable (4 Positions)**
- **Screw Manual Override**
- **Dimensions:**
  - **OPEN FRAME DIN COIL:**
    - Diameter: 2.5
    - Height: 6.3
  - **WATERTIGHT ENCLOSURE:**
    - Diameter: 2.5
    - Height: 6.9
  - **EXPLOSIONPROOF ENCLOSURE:**
    - Diameter: 2.5
    - Height: 6.9

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**Notes:**
1. **Prefix SC Coil/Solenoid**
2. **Prefix WT + EF Coil/Solenoid**
3. **Shown with optional metering device**

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**Dimensions:**
- **Pipe Size:** 3/2, 5/2
- **Series:** 8551