

Features

- General Purpose Enclosure
- 3-way operation allows diversion of flow from commercial/industrial oil burners to recirculatory system
- Zero differential

Fluid

Fuel Oil up to 1500 SSU

Construction

| Valve Parts in Contact with Fluids | |
|------------------------------------|----------------------|
| Body | Brass |
| Seals and Disc | FKM |
| Core and Plugnut | 430F Stainless Steel |
| Springs | 302 Stainless Steel |
| Shading Coil | Copper |

Electrical

| Standard Coil and Class of Insulation | Watt Rating and Power Consumption | | | Ambient Temp. °F | Spare Coil Family | |
|---------------------------------------|-----------------------------------|------------|-----------|------------------|-------------------|----------------|
| | AC | | | | General Purpose | Explosionproof |
| | Watts | VA Holding | VA Inrush | | AC | AC |
| F | 15.4 | 27 | 160 | 32 to 115 | 099257 | - |

Standard Voltages: 24, 120, 240 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz).

Solenoid Enclosures

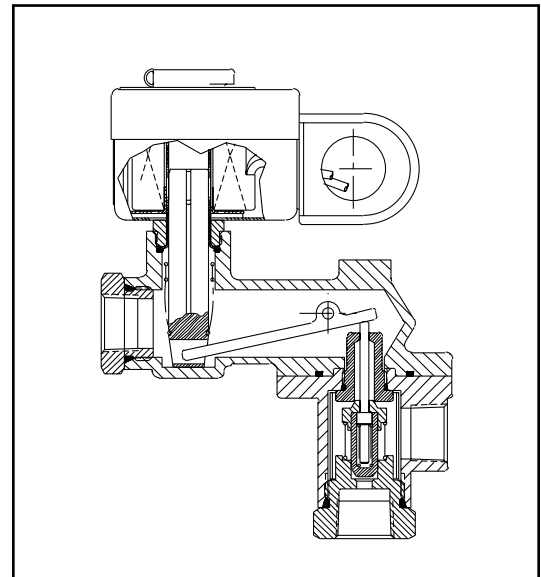
Standard: RedHat Type 1 General Purpose.

Optional: RedHat Type 3R Rainproof (prefix "R").

Valve Response Time

Opening Time: Less than 1 second

Closing Time: Less than 1 second



Approvals

UL listed Shutoff Valve.

FM Approved Oil Safety Shutoff Valves

CSA Electrically Operated Valves

Specifications (English units)

| Pipe Size (in) | Orifice Size (in) | Cv Flow Factor | Operating Pressure Differential (psi) Fuel Oil up to 1500 SSU ② | | Max. Fluid Temp. °F | | Inlet Position ① | Catalog Number | Const. Ref. | Agency | | | Wattage AC |
|--|-------------------|----------------|--|------|---------------------|---------|------------------|----------------|-------------|--------|----|-----|------------|
| | | | Min. | Max. | Fluid | Ambient | | | | UL | FM | CSA | |
| COMBUSTION (Fuel Oil) - NORMALLY CLOSED | | | | | | | | | | | | | |
| 3/8 | 1/4 | 1.0 | 0 | 100 | 265 | 115 | A | 8377 001 | 1 | ○ | ○ | ○ | 15.4 |
| 3/8 | 1/4 | 1.0 | 0 | 100 | 265 | 115 | B | 8377 003 | 1 | ○ | ○ | ○ | 15.4 |
| 3/8 | 1/4 | 1.0 | 0 | 100 | 265 | 115 | C | 8377 005 | 1 | ○ | ○ | ○ | 15.4 |
| 3/8 | 1/4 | 1.0 | 0 | 100 | 265 | 115 | D | 8377 013 | 1 | ○ | ○ | ○ | 15.4 |
| 1/2 | 1/4 | 1.0 | 0 | 100 | 265 | 115 | A | 8377 007 | 1 | ○ | ○ | ○ | 15.4 |
| 1/2 | 1/4 | 1.0 | 0 | 100 | 265 | 115 | B | 8377 009 | 1 | ○ | ○ | ○ | 15.4 |
| 1/2 | 1/4 | 1.0 | 0 | 100 | 265 | 115 | C | 8377 011 | 1 | ○ | ○ | ○ | 15.4 |
| 1/2 | 1/4 | 1.0 | 0 | 100 | 265 | 115 | D | 8377 015 | 1 | ○ | ○ | ○ | 15.4 |

○ = Safety Shutoff Valve. ① Before ordering, refer to Diagram A below for description of inlet positions.
 ② Valve intended for burner control with low pressure drop when energized. For other applications, be sure pressure drop when energized does not exceed 65 psi.

Specifications (Metric units)

| Pipe Size (in) | Orifice Size (mm) | Kv Flow (m³/hr) | Operating Pressure Differential (bar) Fuel Oil up to 1500 SSU ② | | Max. Fluid Temp. °C | | Inlet Position ① | Catalog Number | Const. Ref. | Agency | | | Wattage AC |
|--|-------------------|-----------------|--|------|---------------------|---------|------------------|----------------|-------------|--------|----|-----|------------|
| | | | Min. | Max. | Fluid | Ambient | | | | UL | FM | CSA | |
| COMBUSTION (Fuel Oil) - NORMALLY CLOSED | | | | | | | | | | | | | |
| 3/8 | 6 | 0.9 | 0 | 6.9 | 129 | 46 | A | 8377 001 | 1 | ○ | ○ | ○ | 15.4 |
| 3/8 | 6 | 0.9 | 0 | 6.9 | 129 | 46 | B | 8377 003 | 1 | ○ | ○ | ○ | 15.4 |
| 3/8 | 6 | 0.9 | 0 | 6.9 | 129 | 46 | C | 8377 005 | 1 | ○ | ○ | ○ | 15.4 |
| 3/8 | 6 | 0.9 | 0 | 6.9 | 129 | 46 | D | 8377 013 | 1 | ○ | ○ | ○ | 15.4 |
| 1/2 | 6 | 0.9 | 0 | 6.9 | 129 | 46 | A | 8377 007 | 1 | ○ | ○ | ○ | 15.4 |
| 1/2 | 6 | 0.9 | 0 | 6.9 | 129 | 46 | B | 8377 009 | 1 | ○ | ○ | ○ | 15.4 |
| 1/2 | 6 | 0.9 | 0 | 6.9 | 129 | 46 | C | 8377 011 | 1 | ○ | ○ | ○ | 15.4 |
| 1/2 | 6 | 0.9 | 0 | 6.9 | 129 | 46 | D | 8377 015 | 1 | ○ | ○ | ○ | 15.4 |

○ = Safety Shutoff Valve. ① Before ordering, refer to Diagram A below for description of inlet positions.
 ② Valve intended for burner control with low pressure drop when energized. For other applications, be sure pressure drop when energized does not exceed 4.5 bar.

Dimensions inches (mm)

COMBUSTION

Const. Ref. 1

Flow Diagrams

Diagram A

Must be mounted with solenoid vertical and upright.