



FIRE SAFETY VALVES

MANUALLY OPERATED: INLINE, TANK, AND ANGLE VALVES – 3/8" THRU 3/4" NPT & ODF



APPLICATION, INSTALLATION, & MAINTENANCE INSTRUCTIONS

WARNING

Professional Installation and Maintenance Required

Incorrect installation and servicing of this device may result in improper valve operation in the event of a fire. This could result in severe personal injury, death, or substantial property damage.

- Installation shall be made by a qualified, competent technician experienced and familiar with fuel supply systems.
- The valve(s) must be installed in accessible location(s) for service and maintenance.
- DO NOT Install on Natural or LP Gas fuel supply systems.
- Product contains lead. Do not use on potable water systems.

NOTICE

Do Not Exceed Temperatures Listed in Table 1

When the ambient temperature exceeds the trip temperature, the valve will close and this will cut off the fuel supply, leading to system shut down and no heat / hot water. In cold climates, this could lead to frozen pipes and potential resulting water damage could occur. For protection, take preventative action such as a low temperature alarm, home security system, or other means to protect your property.

Application Information

Firomatic® brand Fire Safety Valves are designed as manually operated shut-off valves for fuel delivery systems using fuel oil, kerosene, diesel fuel, or other similar mid-grade petroleum products. These valves are not approved for gasoline, LP Gas, or potable water systems.

The manual shut-off feature is further enhanced by the handwheel's 'fuse-link' feature which will automatically close the valve if a high temperature condition should occur. The 165°F valves are intended for most applications where the ambient temperature will not exceed 100°F. For temperatures up to 150°F, a valve with a 200°F handwheel is suggested. The 165°F handwheels are silver, while the 200°F version has a 'yellow' or gold finish. Please refer to Table 1.

Table 1 - Temperature Ratings

| Valve Temp. Rating | Max Storage Temp. | Max Installed Temp. |
|--------------------------|-------------------|---------------------|
| 165°F (Silver) Handwheel | 135°F | 100°F |
| 200°F (Gold) Handwheel | 185°F | 150°F |

NOTICE

Prolonged exposure to temperatures exceeding the listed temperatures will lead to premature failure of the fusible link function of the handwheel. See previous notice.

High ambient conditions include, but are not limited to, burner mounted valves where the burner is mounted in a vestibule or burners mounted near ceilings, etc. A limited selection of valves can be ordered with the 200°F handwheel, or any valve can be converted by a simple change of the handwheel. Please refer to Table 2 for part numbers.

If higher ambient conditions can occur than the limits posted above, a Firomatic® Lever Valve may be used to move the fuselink away from a potential high-heat condition. A complete selection of all Firomatic® Fire Safety Valves can be found by visiting our website: www.beckettcorp.com/product/fire-safety-valves/

NFPA31 (National Fire Protection Association®) requires fusible link safety shutoff valves to be installed at the fuel tank outlet, within 6" of the filter on the tank side (inlet), immediately inside the building when a fuel supply line enters through an outside wall, and within 12" of the inlet connection to the burner. Additional state, province, and/or local codes may have additional requirements. For more information, please refer to NFPA 31 or the governing body having jurisdiction at your location for more detailed instructions.

Installation Information:

1. Firomatic valves may be installed in a horizontal or vertical position. There is a direction of flow arrow embossed on the valve body which must point in the direction of flow.
2. For NPT connections, be sure to use pipe thread sealing compound rated for the fuel that will be used in the system. Teflon tape is not recommended. Tighten to torque rating for the pipe size being connected. Do not over-tighten.
3. For ODF connections, use tubing rated for the fuel being used, flare end to produce a clean, burr-free 45° angle flare, and tighten to torque rating for the tubing being used. Do not over-tighten.

Continued on Reverse ►

(Instructions Continued)

Maintenance and Service

Firomatic brand valves should be 'exercised' at least annually. This is usually accomplished during routine servicing of the appliance and is simply done by turning the handwheel clockwise to the fully 'Closed' position, then turning the handwheel counter-clockwise to return the

valve the fully 'Open' position. Changing the handwheel every 3 – 5 years is recommended to guard against the fusible link weakening. Handwheels are now date coded with the year and month of production. This is embossed on the handwheel as a four-digit number (YYMM).

Table 2 - Replacement Handwheels

| Part No. | Description | Package Quantity |
|----------|-----------------|------------------|
| 12510U | 165°F Handwheel | 1 |
| 12510BU | 165°F Handwheel | 25 |
| 12511U | 200°F Handwheel | 1 |
| 12511BU | 200°F Handwheel | 25 |

NOTICE

To assure proper valve operation, use only genuine Firomatic® brand replacement parts.

www.beckettcorp.com

USA: **R.W. Beckett Corporation**, 1-800-645-2876
Canada: **R.W. Beckett Canada Ltd**, 1-800-665-6972

Printed in the USA10/20 Form No. 62258-001 R00

This document and all information contained herein are the sole property of the R.W. Beckett Corporation and cannot be reproduced or transmitted in whole or part without express written permission of the R.W. Beckett Corporation.

