# Model TP3000

Temperature & Pressure Relief Valve with Manual Purge Lever, Non-Adjustable

TAG

## Application

Designed for installation on water heating storage vessels to protect against over-temperature or excessive pressure. (Not for steam service).

C US

## Standards Compliance

(See below for applicable models and pressure settings)

- CSA Compliance to ANSI Z21.22/CSA 4.4
- Certified to ASME Section IV by National Board

## Materials

| | |
|---|---|
| Main Valve Body | Cast Brass or Bronze ASTM B584 |
| Internals | 300 series Stainless Steel |
| | Brass ASTM B36 and B16 EP |
| | Silicone |
| Probes | Epoxy Coated copper tube FDA approved |
| Springs | Stainless Steel, ASTM A313 |

## Features

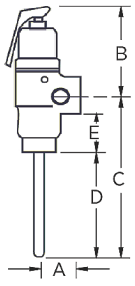
| | |
|---|---|
| Probe Sizes | 2", 3", 4", 5", 8" |



1" TP3000

## Accessories

- Thermal Expansion Control Valve BVECXL
- Pressure Reducing Valve NR3XL
- Vacuum Relief Valve VR10XL
- Thermal Expansion Tank XT
- Pressure Reducing Valve with Venturi 500XL3




TP3000

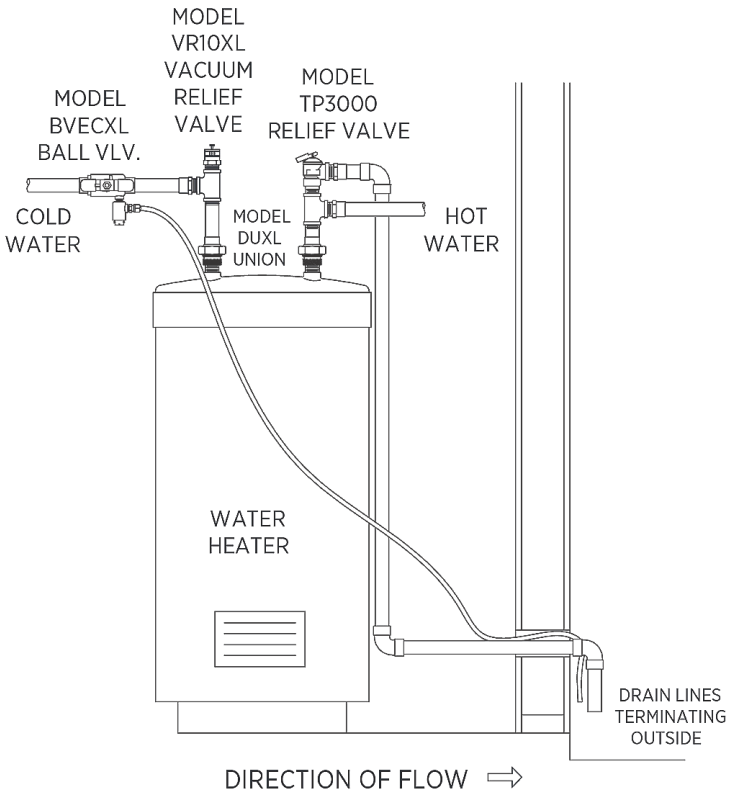
## Dimensions & Weights (do not include pkg.)

| MODEL NUMBER | DISCHARGE RATES | | | RELIEF TEMP | DIMENSIONS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PRESS. RELIEF SETTING | ANSI Z21.22/ CSA 4.4 | ASME SECTION IV | | INLET | OUTLET | A | | B | | C | | D | | E (shank) | |
| | PSI | BTU/HR | BTU/HR | F | | | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| TP3000-5C-75C | 75 | 500,000 | 1,165,000 | 210 | 1 FNPT | 1 FNPT | 1-9/16 | 40 | 3-1/2 | 89 | 6-7/8 | 175 | 4-3/4 | 121 | 1-5/16 | 34 |
| TP3000-5C-100C | 100 | 500,000 | 1,495,000 | 210 | 1 FNPT | 1 FNPT | 1-9/16 | 40 | 3-1/2 | 89 | 6-7/8 | 175 | 4-3/4 | 121 | 1-5/16 | 34 |
| TP3000-5C-125C | 125 | 500,000 | 1,825,000 | 210 | 1 FNPT | 1 FNPT | 1-9/16 | 40 | 3-1/2 | 89 | 6-7/8 | 175 | 4-3/4 | 121 | 1-5/16 | 34 |
| TP3000-5C-150C | 150 | 500,000 | 2,155,000 | 210 | 1 FNPT | 1 FNPT | 1-9/16 | 40 | 3-1/2 | 89 | 6-7/8 | 175 | 4-3/4 | 121 | 1-5/16 | 34 |
| TP3000-8C-150C | 150 | 750,000 | 3,625,000 | 210 | 1 FNPT | 1 FNPT | 1-3/4 | 44 | 4-3/8 | 111 | 9-1/4 | 235 | 8-5/32 | 207 | 5/16 | 8 |

Design and dimensional data (inches and [mm]) are subject to manufacturing tolerances and change without notice.

## Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the relief valve shall be installed in accordance with manufacturer's instructions and the latest edition of the Uniform Plumbing Code ®. Relief valves are designed to discharge water, always provide adequate drainage.




**TYPICAL INSTALLATION**

### Specifications

The Relief Valve shall meet the requirements of the ASME Boiler and Pressure Vessel Code (Section IV) and shall be CSA Design Certified (ANSI Z21.22/CSA 4.4). Where temperature and pressure relief is required, the assembly shall be a WILKINS Model TP3000.