

For Residential and Commercial Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Series TWH

Tankless Water Heater Valves

Size: 3/4" (20mm)

Series TWH tankless water heater valves are designed to simplify the installation, maintenance and operation of tankless water heaters.

Features

- 3/4" FPT unions for connection to water heater (all models)
- 3/4" FPT unions for connection to water lines (UT models)
- 3/4" Quick-Connect end connections to water lines (QT models)
- 3/4" FPT connection to water lines (FT models)
- 3/4" Sweat connection to water lines (FS models)
- 3/4" FPT/sweat unions for connection to water lines (UTS models)
- Full-port, quarter-turn ball valve with color-coded tee handle and union
- Quarter-turn purge and drain valve with hose connection and tethered brass cap
- Optional 3/4" pressure relief valve 150psi (10.3 bar)
- Optional integral spring check valve in cold water valves
- Hot and cold valves certified to NSF/ANSI 61
- Staggered connection points for ease of installation and access
- Valves are suitable for most tankless installations
- No additional adapters required
- 600 WOG rated



Specifications

A tankless water heater valve shall be installed where indicated on the plans. The valve shall facilitate isolation of the water heater from the water lines, water heater purging, draining and a provision for a pressure relief valve. The valve shall be a Watts Series TWH.

Materials

- Body: Forged brass
- Ball: Plated brass
- Seats: Virgin PTFE

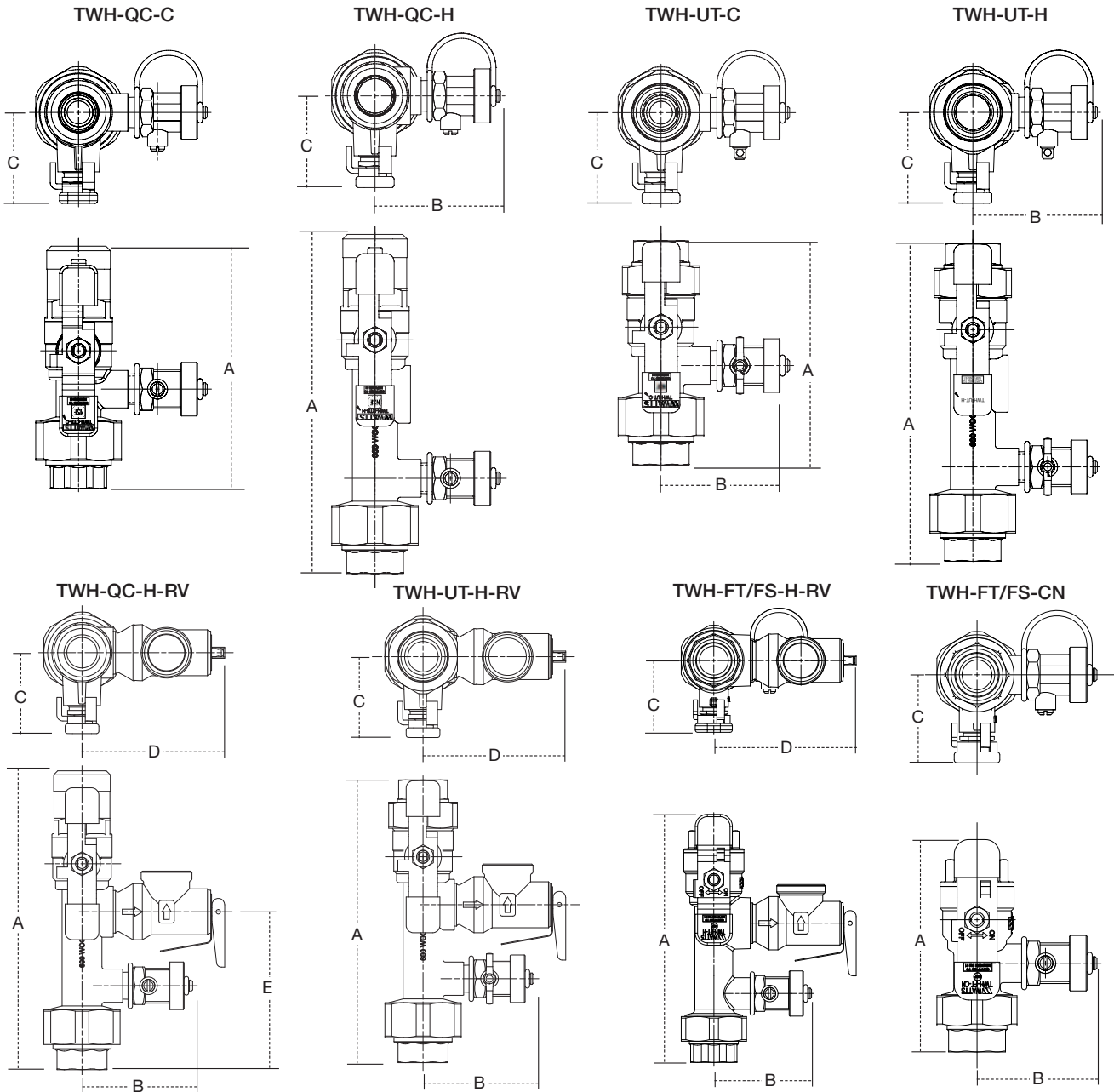
Models

Model Nomenclature

| | |
|---|--|
| <p>TWH tankless water heater]</p> <p>UT union with female threaded tailpieces for connection to water lines</p> <p>UTS union with female threaded and sweat tailpieces for connection to water lines</p> <p>QC Quick Connect fittings to water lines</p> <p>FT Female pipe thread connection to water lines</p> <p>FS Female sweat connection to water lines</p> <p>H hot water valve</p> <p>C cold water valve</p> <p>CN cold water valve without integral spring check</p> <p>HC hot and cold valve set</p> <p>HCN hot and cold valve set, no spring check</p> <p>RV 150psi relief valve]</p> | <p style="text-align: center;">TWH</p> <p style="text-align: center;">UTS</p> <p style="text-align: center;">HCN</p> <p style="text-align: center;">RV</p> |
|---|--|

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Dimensions — Weights

| MODEL | CONNECTIONS | DIMENSIONS | | | | | | | | | | WEIGHT | |
|--------------|-----------------------|---------------------------------|-----|---------------------------------|----|-------------------------------|----|-------------------------------|----|--------------------------------|----|--------|------|
| | | A | | B | | C | | D | | E | | lbs. | kgs. |
| | | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | | |
| TWH-UT-C | Union x Union | 4 ¹⁵ / ₁₆ | 125 | 2 ¹³ / ₁₆ | 71 | 2 | 51 | — | — | — | — | 2.2 | 1.0 |
| TWH-UT-H | Union x Union | 6 ¹⁵ / ₁₆ | 177 | 2 ³ / ₄ | 69 | 2 | 51 | — | — | — | — | 2.5 | 1.1 |
| TWH-QC-C | Quick-connect x Union | 5 ⁵ / ₁₆ | 135 | 2 ¹³ / ₁₆ | 71 | 2 | 51 | — | — | — | — | 2.0 | .9 |
| TWH-QC-H | Union x Quick-connect | 7 ³ / ₈ | 187 | 2 ³ / ₄ | 69 | 2 | 51 | — | — | — | — | 2.4 | 1.1 |
| TWH-UT-H-RV | Union x Union | 6 ¹⁵ / ₁₆ | 177 | 2 ³ / ₄ | 69 | 2 | 51 | 3 ¹ / ₂ | 89 | 3 ⁷ / ₈ | 99 | 2.5 | 1.1 |
| TWH-QC-H-RV | Quick-connect x Union | 7 ³ / ₈ | 187 | 2 ³ / ₄ | 69 | 2 | 51 | 3 ¹ / ₂ | 89 | 3 ⁷ / ₈ | 99 | 2.4 | 1.1 |
| TWH-FT/FS-CN | Union x FPT/Sweat | 4 ¹ / ₁₆ | 103 | 2 ¹ / ₂ | 64 | 1 ⁷ / ₈ | 47 | — | — | — | — | 1.9 | 0.9 |
| TWH-FT/FS-H | Union x FPT/Sweat | 6 | 152 | 2 ¹ / ₂ | 64 | 1 ⁷ / ₈ | 47 | 3 ¹ / ₂ | 89 | 2 ⁷ / ₁₆ | 62 | 2.1 | 0.9 |

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