

INSTALLATION INSTRUCTIONS

AquaSmart Immersion Well

Parts list:

(1) **Immersion Well** — 7600TW01, 7600TW02, 7600TW03, 7600TW04, 7621TW01, 7621TW02, 7621TW03, 7621TW04, 7622TW01, 7622TW02, 7622TW03, or 7620TW04

(1) **Sensor Retaining Clip** (Remote mounting only) — Part No. 4582-001

⚠ WARNING Burn and Scald Hazard

Excessive water temperatures could cause burns, scalding, pressure relief flooding and fitting leaks.

- Do not use in steam boiler applications, pools, spas, hot tubs or wall mounted combi-boilers. For use in hot water boilers or water heaters only. Do not use in unapproved applications or applications that exceed the listed specifications.

⚠ CAUTION Cut Hazard

Brass wells may have sharp edges. Protect hands when handling or installing.

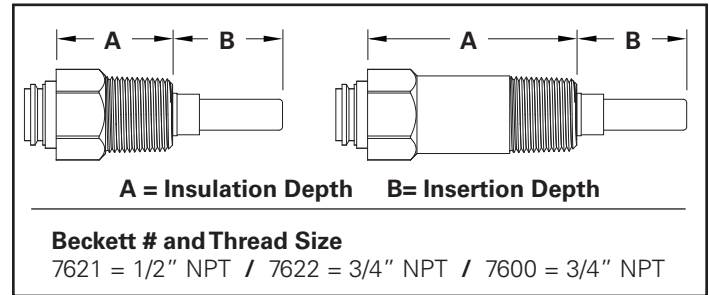
Instructions for installing the immersion well:

This device must be installed by a trained, licensed, qualified professional or service agency.

Make sure the immersion well is clean and dry inside with no leaks or dents that would prevent insertion of the new sensor.

- Allow any water in the boiler to cool and drain below well level before replacing an existing well.
- Make sure the threads in the boiler tapping are clean.
- The new immersion well must match the insulation depth and the insertion length recommended by the boiler manufacturer. See **Figure 1** for available Beckett immersion well sizes.
- Add pipe sealant to the well threads. For brass threaded wells such as the Beckett 7621 or 7622 wells, use sealant approved for brass. **DO NOT USE TEFLON TAPE ON BRASS WELLS IN LWCO APPLICATIONS.** Avoid getting sealant on the insulating sleeve around the copper tube. **FOR POLYMER (Black) WELLS, SUCH AS THE BECKETT 7600TW WELL, USE EITHER TEFLON TAPE OR RECTORSEAL NO. 5 PIPE SEALANT.** Other sealants could damage the polymer well.
- Tighten well with open end or box wrench. Must be leak free (torque requirement—**polymer well:** 185-200 in./lbs. max, **brass well:** 60 ft/lbs. max). Refill boiler and check for any leakage around the well.
- When the immersion well is mounted separately from the AquaSmart control, use the retaining clip (4582-001) as shown in **Figure 2** to secure the sensor and sensor lead in the well.

Figure 1 – Immersion Well Overall Dimensions & Specs



Beckett Brass Well Sizes

Beckett #	Brass Well Size
7621TW01 / 7622TW01	2-3/16" insulation, 7/8" insertion
7621TW02 / 7622TW02	2-3/16" insulation, 1-5/8" insertion
7621TW03 / 7622TW03	3-1/2" insulation, 1-5/8" insertion
7621TW04 / 7622TW04	4-3/4" insulation, 1-5/8" insertion

Beckett Polymer Well Sizes

Beckett #	Polymer Well Size
7600TW01	1-1/2" insulation, 7/8" insertion
7600TW02	1-1/2" insulation, 1-5/8" insertion
7600TW03	3-1/2" insulation, 1-5/8" insertion
7600TW04	4-3/4" insulation, 1-5/8" insertion

Specifications

Operating Temperature Range: 32°F to 250°F

Max Operating Pressure: 250 PSIG

Figure 2 – Retaining Clip

