

ULTRA *coil booster*

HEAT TRANSFER PRODUCTS

STAINLESS STEEL

CB SERIES

AQUA BOOSTER STORAGE TANKS

30, 45, 60, 80, AND 119 U.S. GALLON SIZES



*THE MOST EFFICIENT WAY TO STORE
HOT WATER FOR RESIDENTIAL
AND COMMERCIAL APPLICATIONS!*

- MORE HOT WATER
- INCREASE STORAGE CAPACITY
- STAINLESS STEEL CONSTRUCTION
- BACKED BY A 10 YEAR WARRANTY*
**(CALL FACTORY FOR WARRANTY SPECIFICATIONS)*

FEATURES & BENEFITS:

- TANK:** 316L STAINLESS STEEL CONSTRUCTION; LIGHTWEIGHT; LONG LIFE EXPECTANCY
- JACKET:** PLASTIC; 1 1/2" THICK FOAM INSULATION ALLOWS LESS THAN 1 DEGREE F. PER HOUR HEAT LOSS (24 degrees F. in 24 hours)
- WARRANTY:** 10 YEAR WARRANTY*
- AQUASTAT:** STANDARD CLIP-ON AQUASTAT ON 30, 45, 50, AND 60 U.S. GALLON UNITS.
NOTE: IMMERSION AQUASTAT WELL ON 80 & 119 U.S. GALLON UNITS, AQUASTAT NOT INCLUDED.

OPTIONAL ACCESSORIES:

KT-1 INCLUDES AQUASTAT LINE CORD AND GREENFIELD WITH WIRE.

KT-2 INCLUDES AQUASTAT LINE CORD AND GREENFIELD WITH WIRE AND TACO 006B BRONZE PUMP.

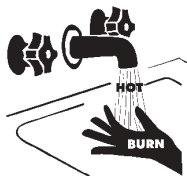
MODEL	DIMENSIONS		FLOOR TO DRAIN	FLOOR TO INLET	FLOOR TO OUTLET	TEST PRESSURE	WORKING PRESSURE	WEIGHT (LBS.)	ALL WATER CONNECTION SIZES ARE	T & P CONNECTION
	HEIGHT	DIAMETER								
SSU-30CB	39 1/2"	19 1/4"	4 1/2"	14 1/2"	33 3/4"	300 P.S.I.	150 P.S.I.	40	3/4" N.P.T.	* N/A
SSU-45CB	52 1/2"	19 1/4"	4 1/2"	14 1/2"	45 3/4"	300 P.S.I.	150 P.S.I.	64	3/4" N.P.T.	* N/A
SSU-60CB	52 1/2"	23 1/4"	4 1/2"	14 1/2"	45 3/4"	300 P.S.I.	150 P.S.I.	90	1" N.P.T.	* N/A
SSU-80CB	72"	23 1/4"	6"	16"	64 3/4"	300 P.S.I.	150 P.S.I.	129	1 1/2" N.P.T.	3/4"
SSU-119CB	73 1/2"	27"	7 1/4"	17 1/4"	66"	300 P.S.I.	150 P.S.I.	178	1 1/2" N.P.T.	3/4"

*On these sizes, a tee is used in hot outlet for T&P relief valve

OPERATING YOUR ULTRA BOOSTER STORAGE TANK:

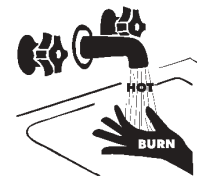
Boiler high limit should be set at least 20 degrees F. higher than the Super Stor booster storage tank temperature setting. Temperature setting of 125 degrees F. is recommended or in accordance with local and state codes for normal operation.

NOTE: If draining of the Super Stor booster storage tank is necessary, open the T & P valve or a hot water tap, to prevent vacuum build-up in the tank and piping.



IMPORTANT NOTE - SCALDING:

Water temperature over 120 degrees F. can cause severe burns instantly, or death from scalds. Children, disabled, and elderly are at highest risk of being scalded. See instruction manual before setting temperature at water heater! Feel water before bathing or showering. Temperature limiting valves are available, see manual.



WARNING!!

NEVER USE DIELECTRIC UNIONS OR GALVANIZED STEEL FITTINGS ON ANY DOMESTIC WATER CONNECTIONS. USE ONLY COPPER OR BRASS FITTINGS. TEFLON THREAD SEALANT MUST BE USED ON ALL CONNECTIONS.

PLUMBING:

It is mandatory that all plumbing is done in accordance with all local, state, and federal plumbing codes, and that both thread tape and pipe dope be used on all mechanical connections.

NOTE: The use of heat, such as blow torches, etc., near the tank, may cause distortion to the high density polyethylene wrapper. Caution must be exercised.

NOTE: When filling the Ultra booster storage tank, make sure you open a hot water tap to release air in the tank and piping system.

TANKLESS COIL CONNECTIONS:

Use a 3/4" nominal minimum tube size. On the tank, tankless inlet is to be connected to a bronze or stainless steel circulator with the arrow pointing away from the tank and toward the tankless coil. This pipe will also have a tee for the cold supply to the tankless coil. (An optional check valve may be installed between the cold supply line and circulator to prevent short circulating the tankless coil. This may cause poor supply pressure, or noisy operation, depending upon the type of installation.)

On the tank, tankless outlet, use both thread tape and pipe dope and connect a 3/4" NPT brass tee. On the run, install a brass drain valve. In the branch, install a 3/4" (minimum) tube adapter, and connect this to the hot tankless coil outlet on the boiler.

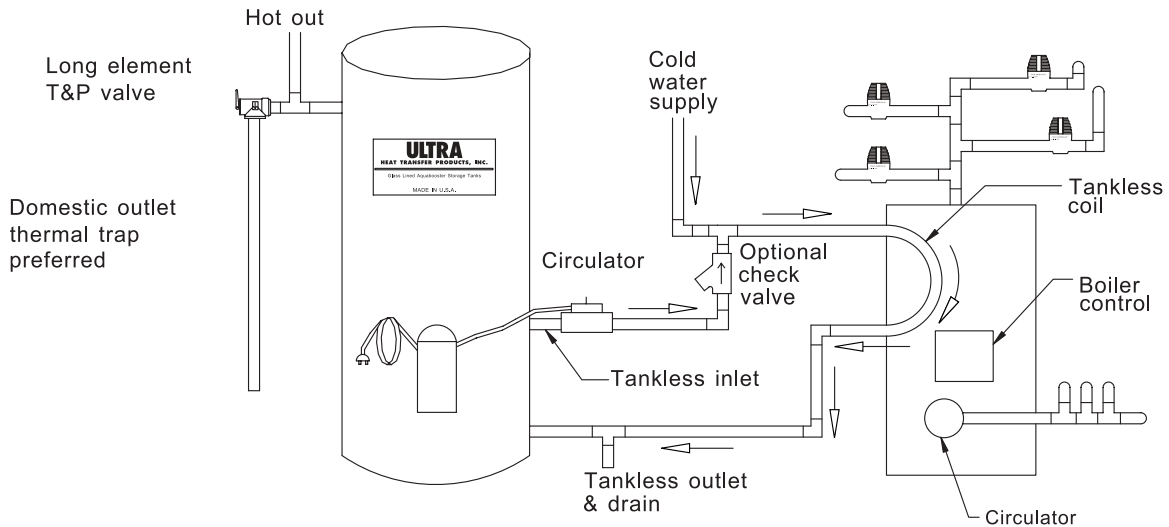
NOTE: See "TYPICAL AQUA BOOSTER INSTALLATION", (page 3).

HOT WATER OUTLET:

Use both thread tape and pipe dope and connect a 3/4" NPT brass tee. In the run of the brass tee, install a 3/4" NPT brass T & P valve long element for hot water storage tanks, required by local codes, but not less than a valve certified for meeting the requirements for relief valves for hot water heaters ANSI Z21-22B1994 by a nationally recognized lab that maintains periodic inspection of production of listed equipment. The temperature and pressure relief valve must be plumbed down, so discharge can exit only 6" above or at any distance below the structural floor and cannot contact any live electrical parts. In the bottom of the tee (branch) vertically down, install a 3/4" NPT x 3/4" (minimum) tube adapter. Then install two 3/4" (minimum), sweat street 90 degree elbows. This acts as a thermal loop or trap, to prevent thermal siphon action of hot water.

NOTE: See "TYPICAL AQUA BOOSTER INSTALLATION", (page 3).

TYPICAL AQUA BOOSTER INSTALLATION



NOTE: IF A BACKFLOW PREVENTER OR A NO RETURN VALVE IS INSTALLED, A THERMAL EXPANSION TANK IS REQUIRED ON THE COLD WATER INLET BETWEEN THE ULTRA COIL BOOSTER AND THE BACKFLOW PREVENTER.

EXPANSION TANK:

A thermal expansion tank is required in the system designed for potable water use, to offset the expansion of stored water as the temperature is elevated.

CONTROL:

A pre-wired surface mount control is provided on your Super Stor booster storage tank. Temperature may be set by removing lower cover screw and lower cover. **VERY IMPORTANT: SEE SCALDING NOTE ON PAGE 2.**

WIRING:

All wiring is to be done in accordance with all applicable local and state codes. Turn off all power related to the boiler before starting any wiring procedures.

