



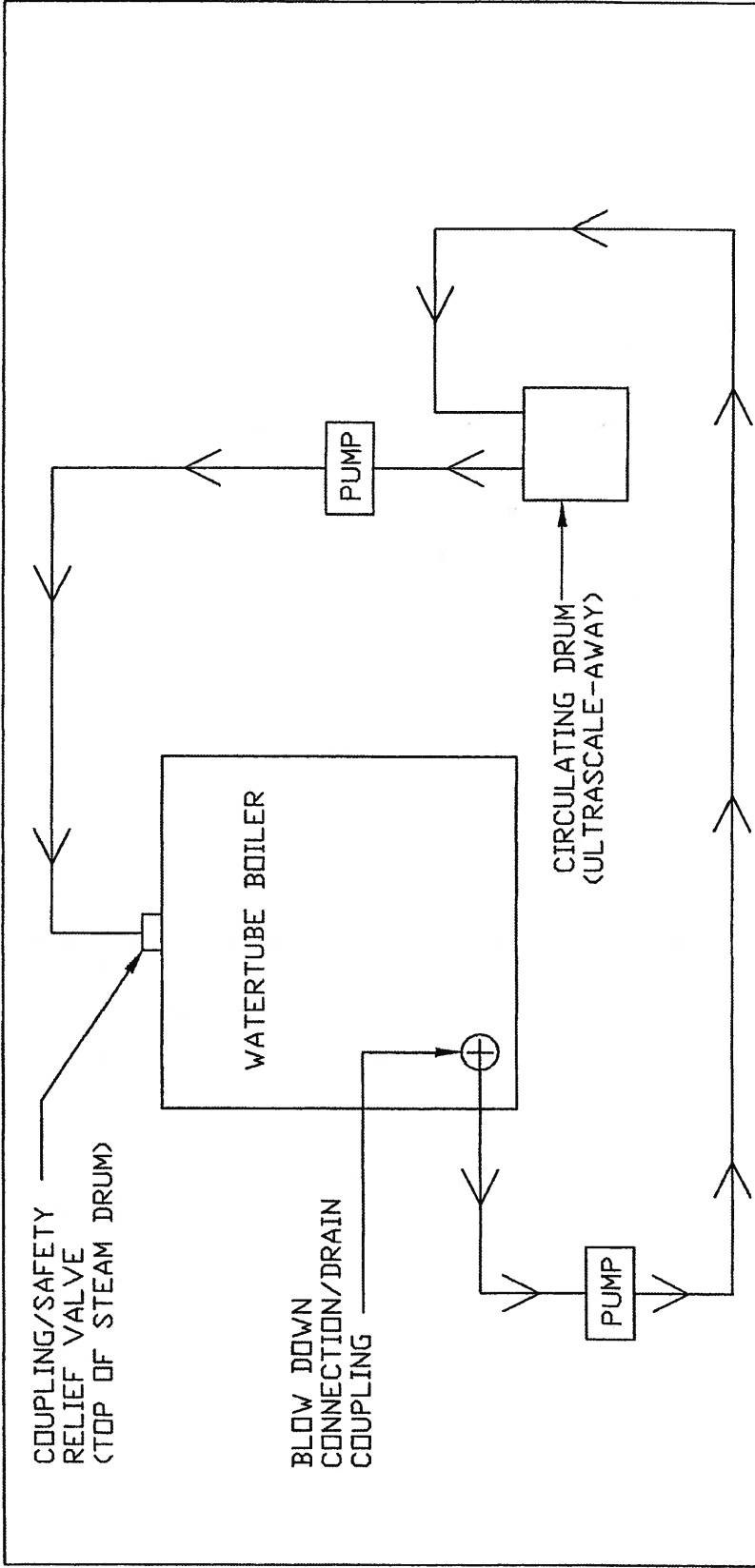
PROCEDURE FOR USING ULTRASCALE-AWAY WITH WATERTUBE BOILERS

1. Drain the boiler.
2. Flush the boiler. Check for blocked tubes. *
3. Close drain valve(s).
4. Fill the boiler with water to bottom of steam drum.
5. Add the required amount of UltraScale-Away through the top of the steam drums. **
Top off with water to the top of the steam drum.
6. Circulate UltraScale-Away solution from opposite corners of the boiler using (2) pump system. Solution entry through coupling at the top of the steam drum, solution exits through blow-down valve connections, back to open top circulating drum. Top of the boiler should also be vented to atmosphere to allow gases to escape.
7. Circulate for (4) hours, then alternate pumps to the opposite corner and circulate for another (4) hours, or until solution is no longer foaming in the circulating drum.
8. Drain, flush, refill and start up boiler.

*UltraScale-Away requirement is based on water content of the boiler in question and the amount of scale build-up in the boiler. Minimum recommendation is for a 25% solution. Based on the amount of scale build-up in the boiler. You may need to use up to a 50% solution.

FOR OPTIMUM CIRCULATION AND THE BEST CLEANING RESULTS, USE THE TWO PUMP SYSTEM DIAGRAMMED ON THE FOLLOWING PAGE WHEN CLEANING WATERTUBE BOILERS WITH ULTRASCALE-AWAY.

Fuel Efficiency LLC
P.O. Box 271
Clyde, NY 14433
Tel: (800)448-9794 Fax: (315)923-9182
sales@fuelefficiencyllc.com



FUEL EFFICIENCY LLC	TYPICAL ULTRASCALE-AWAY PIPING DETAIL FOR WATERTUBE BOILER		
	CLYDE, NY	SIZE B	DRG NO. US-A 100
PH.315/923-2511	SCALE NONE	DATE 9-26-00	REV 0
			SHEET 1 OF 1