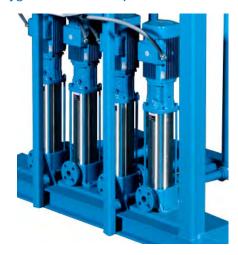




The SR3, single-stage atmospheric deaerating heater offers uniform heating, while removing up to 99% of the oxygen in the make-up water.



SR3 Deaerating Feedwater Heaters include factory installed pumps and factory installed suction piping. Suction piping includes standard shut-off valve and flexible connector.

FEATURES

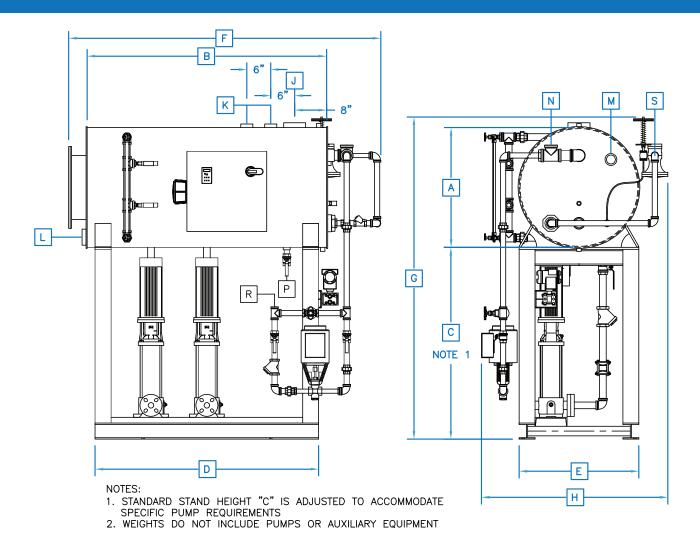
- 99% OXYGEN REMOVAL prevents boiler system corrosion and costly retubing
- UNRESTRICTED VENTING assures quick release of liberated gasses and NO BACK PRESSURE for gravity returns
- ATMOSPHERIC DESIGN requires no safety valves or annual inspection
- ELECTRONIC INSTRUMENTATION for modulating level control includes a HART compatible differential pressure transmitter, PID controller, and motorized control valve
- ULTRA SENSITIVE steam regulator provides uniform reliable heating at all loads
- \bullet NO PRESSURE DECAY reduces the chance for pump cavitation
- STAINLESS STEEL construction of all internal heating surfaces
- DURATHERM LINING is field renewable and increases the overall system lifespan
- CUSTOM ENGINEERED PACKAGED SYSTEM with low net positive suction head (NPSH) pumps and high quality components insures reliable service and single source responsibility
- HIGH TEMPERATURE returns are used for heating
- LOW PRESSURE returns can flow by gravity back to the deaerator or can be pumped through the makeup nozzle

ADDITIONAL OPTIONS

- Pump discharge piping
- Pump staging
- Combination motor starters

Industrial Steam offers a complete line of atmospheric and pressurized deaerators ranging in size from 3,400 lbs/hr to 100,000 lbs/hr. These systems provide oxygen removal from .03 cc/liter to .005 cc/liter per ABMA testing procedures. Packaged systems from AFS insures that you have all components necessary for operation.

SR3 .03 Atmospheric Deaerating Feedwater Heaters



CAPACITIES & STANDARD DIMENSIONS TABLE 1SR3 2SR3 | 3SR3 | 4SR3 5SR3 6SR3 8SR3 10SR3 12SR3 15SR3 18SR3 21SR3 MODEL No. **RATING IN LBS/HR** 3,450 6,900 10,350 13,800 17,250 20,700 27,600 34,500 41,400 51,750 62,100 72,450 (A) VESSEL OD 24 30 30 36 36 42 48 48 48 54 60 (B) SHELL LENGTH 48 60 83 84 96 84 84 96 120 120 120 144 (C) STAND HEIGHT 48 48 48 48 48 48 48 48 48 48 48 48 (D) STAND I FNGTH 48 60 80 80 92 80 80 92 116 116 116 140 (E) STAND WIDTH 24 30 30 36 36 42 48 48 48 54 60 60 (F) OVERALL LENGTH: APPROX 132 132 156 72 108 120 108 108 120 (G) OVERALL HEIGHT: APPROX 84 90 90 96 96 102 108 108 114 120 108 (H) OVERALL WIDTH: APPROX 40 46 46 52 52 58 64 64 64 70 76 76 (J) VENT 4 4 4 4 4 4 6 6 6 6 6 6 (K) GRAVITY RETURNS (QTY) 2 (2) 3 (2) 3 (2) 4 (2) 2 (2) 2 (2) 2 (2) 3 (2) 3 (2) 3 (2) 3 (2) 3 (2) (L) HIGH PRESSURE RETURNS 2 2 2 2 2 2 3 3 3 3 3 3 (M) OVERFLOW 2 2 2 2 2 2 3 3 3 3 3 3 (N) PUMPED RETURNS 2 2 3 3 3 (P) DRAIN 1 1-1/2 1-1/2 1-1/2 2 (R) MAKEUP INLET Sized as Required by Job Conditions (P) STEAM INLET CAPACITY TO OVERFLOW 110 195 270 390 445 525 690 975 1,230 1,835 780 1.570 MINUTES STORAGE 14.0 13.9 13.0 13.9 12.7 12.6 12.5 11.3 11.8 11.8 12.6 12.6 SHIPPING WT(LBS) 700 1,000 1,225 1,400 1,560 1,985 2,300 2,545 2,985 3,910 4,245 4,850 OPERATING WT(LBS) 1,100 1,770 2,300 2,945 3,325 4,090 5,045 5,685 6,910 8,880 10,375 12,210 FLOODED WT (LBS) 1,490 2,540 3,370 4,490 5,090 6,190 7,790 8,820 10,830 13,840 16,500 19,560

Notes: System Includes 48" stand *Includes 12" for panel **Inlet "K" includes makeup and returns ***Not including boiler feed pumps & panel All dimensions in inchs