

About



Power Plant Equipment Company manufactures the brand name "Blue Valley" deaerators, boiler feed systems, blowdown heat recovery systems, blowdown receivers, sample coolers and other custom boiler room products.

The Blue Valley brand has been used worldwide since 1976. Many of our customers include several utility plant design consulting engineers as well as many national industrial plants, universities and hospitals.

We strive for prompt response, accurate shipment dates, superior designs and above all, a quality standard better than others. Please consider PPE manufactured products for your next project.



Manufacturers of Boiler Room Equipment & Custom Fabrication

DEAERATORS

Deaerators are mechanical devices that remove dissolved gases from boiler feedwater. Deaeration protects the steam system from the effects of corrosive gases. It accomplishes this by reducing the concentration of dissolved oxygen and carbon dioxide to a level where corrosion is minimized. A dissolved oxygen level of 5 parts per billion (ppb) or lower is needed to prevent corrosion in most high-pressure boilers. While oxygen concentrations of up to 43 ppb may be tolerated in low-pressure boilers, equipment life is extended at little or no cost by limiting the oxygen concentration to 5 ppb. Dissolved carbon dioxide is essentially completely removed by the deaerator.



CUSTOM FABRICATION



Contact us:

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Or visit us online:

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CUSTOM FABRICATION



Steam Accumulator

Steam accumulators manufactured in sizes to fit your steam load applications. Our steam accumulators are manufactured to ASME code requirements.



Skid Mounted Pump Units

Twin booster pump packages with controls for domestic water service.



Isolator Kit

Includes heat exchanger, pump, expansion tank, air separator & control panel. The isolator kit is used for isolating the process loop from your boiler.



Header Assembly Nozzles

Stainless Steel header assembly nozzles for a large deaerator.



Steam Humidification Skid

Skid mounted electric boiler package for humidification. Package includes 2 600KW boilers, blowdown, feedwater, chemical feed treatment, water softener.



Skid Mounted Boiler/Water Heater

Package includes (2) copper finned high efficiency boilers, pre-piped pumps, and (2) domestic hot water heaters.