

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

CUSTOM FABRICATION

Power Plant Equipment's custom fabrication capabilities include the design, fabrication, piping, wiring, painting and testing of deaerator systems, feedwater tanks, blowdown equipment and mechanical equipment skid packages. We can provide packaged systems with pumps, heat exchangers, boilers and other miscellaneous equipment for cost effective, convenient installations.



ATMOSPHERIC BOILER FEED SYSTEM



Contact us:

14400 College Blvd. ■ Lenexa, KS 66215
913-592-4111

Or visit us online:

www.powerplantequip.com

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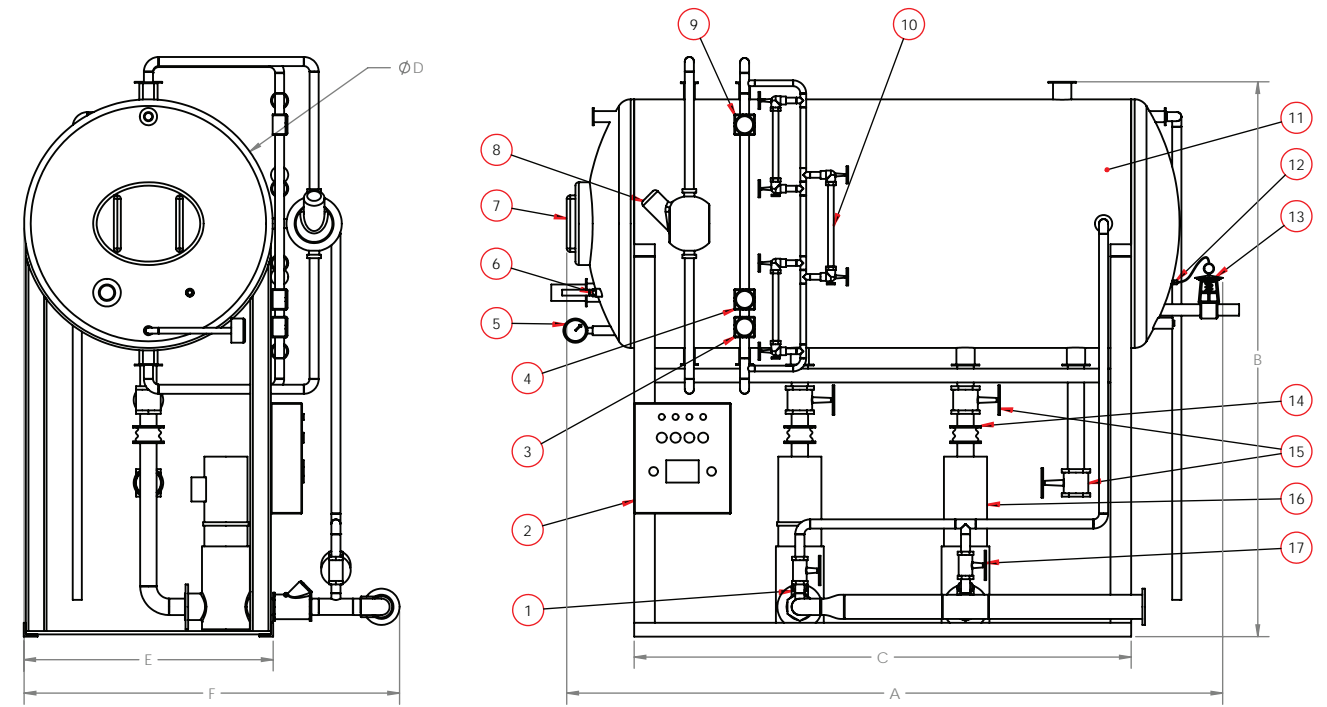
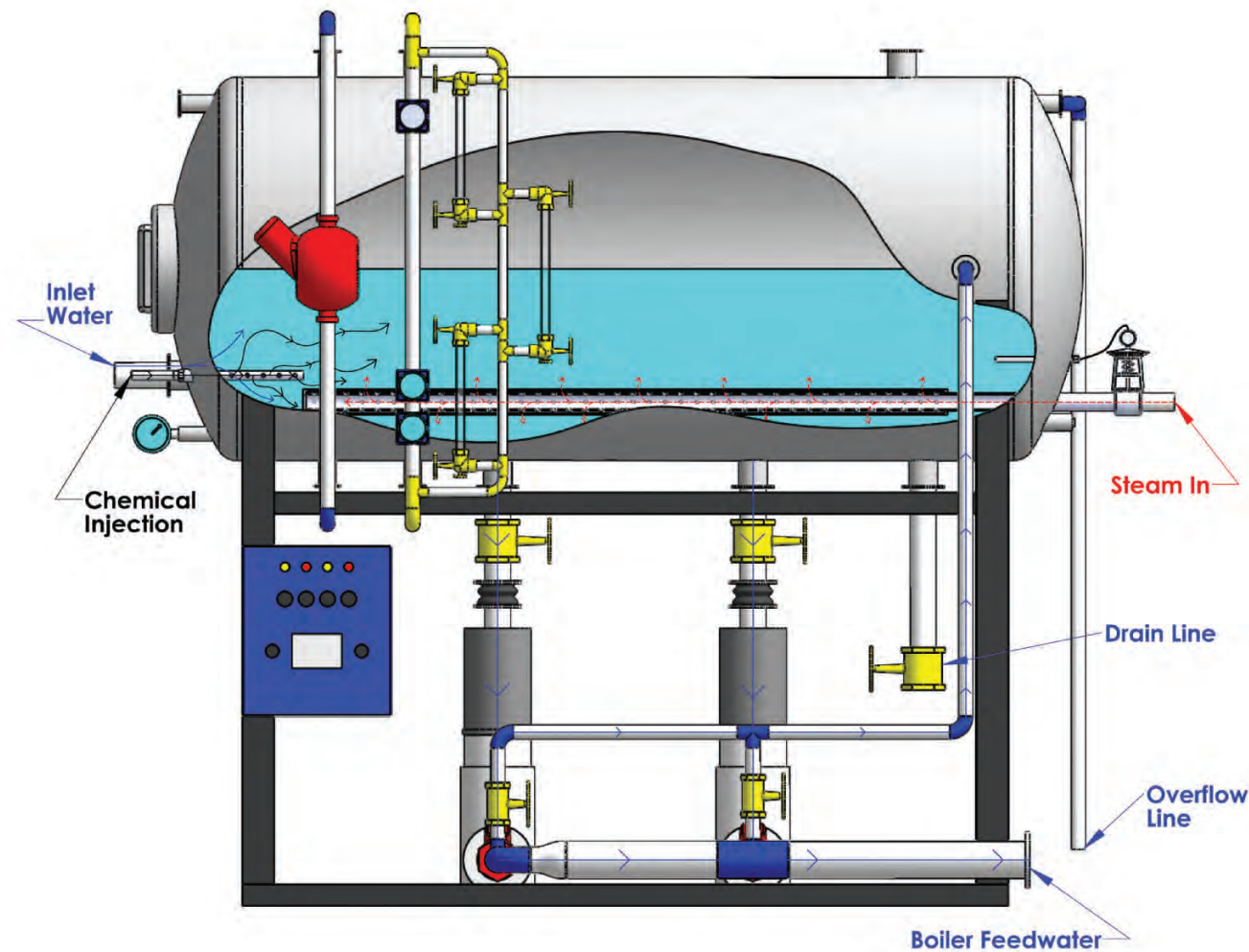
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ATMOSPHERIC BOILER FEED SYSTEM

FEATURES

A packaged feed system is used when conditions do not warrant the cost of a deaerator. The feed system partially deaerates and heats the water through a sparge tube. The final oxygen removal will require substantially more oxygen scavenger chemicals than a pressurized deaerator. This added chemical cost may or may not justify the use of a pressurized deaerator.

Cut-Away View



1. Check Valve
2. Electrical Control Panel
3. Low Water Pump Cut-Off
4. Low Water Level Alarm
5. Temperature Gauge
6. Chemical Injection Nozzle
7. Access Manway 12 x 16
8. Level Controller
9. High Water Level Alarm
10. Safety Type Full Length Sight Glass Assembly
11. ASME Code Tank Section VIII
12. Temperature Probe
13. Water Temperature Regulator
14. Flexible Coupling
15. Tank Isolation Valve
16. Boiler Feed Pump
17. Pump Isolation Valve

Product Measurements

Storage Capacity (gallons)	A	B	C	D	E	F
100	74	102	60	30	30	43
200	98	102	84	30	30	43
400	111	120	93	48	48	54
600	130	138	110	54	54	60
800	140	144	118	60	60	66
1,000	174	144	152	60	60	66
1,500	181	168	156	72	72	78
2,000	180	180	152	84	84	90
2,500	220	180	192	84	84	90
3,000	262	180	234	84	84	90
4,000	267	204	236	96	96	102
5,000	264	216	230	108	108	114
8,000	339	228	301	120	120	126
10,000	339	228	384	120	120	126