

Feedwater Heaters



PROJECT OVERVIEW

We helped a valued client re-design, manufacture and install high pressure (HP) and low pressure (LP) feedwater heaters. The heaters are used in the coal-fired electricity generation process and replaced existing equipment.

The HP heaters are vertical type, "U" tube head down, surface contact, with integral drain colling de-superheating sections. Adding to the complexity, the HP heaters incorporated Internal Bore Welding (IBW), which requires specialist skills and equipment.

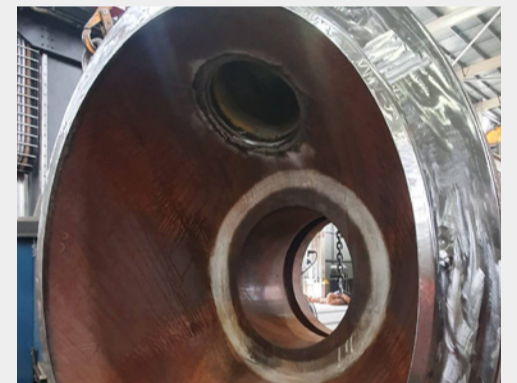
The LP heater is a horizontal, "U" tube type, surface contract heater with an integral subcooled zone and vent pipe to remove non-condensable gases.

HP FEEDWATER SPECIFICATION

Year	2019
Dimensions	1600mm
Design Pressure	2.4MPa/FV(Shell); 24MPa(Tube)
Material	Carbon Steel
Classification	Class 1B
Number of Tubes	1044
Tubesheet Thickness	260mm
Internal Bore Welded (IBW)	Internal Bore Welded (IBW)
Weight	37.1T

LP FEEDWATER SPECIFICATION

Year	2020
Dimensions	1429mm
Design Pressure	0.62MPa/FV(Shell); 3.4MPa(Tube)
Material	Arsenical Brass
Classification	Class 1B
Number of Tubes	577
Tubesheet Thickness	60mm
Internal Bore Welded (IBW)	Expanded + Flared
Weight	20.7T



Project Enquiries

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