

DEAERATOR HEAD



A steam deaerator head is a specialized component used in boiler feedwater systems to efficiently remove dissolved gases, primarily oxygen and carbon dioxide, from the feedwater before it enters the boiler. By utilizing steam, the deaerator head heats the feedwater and facilitates the separation of these gases, which helps prevent corrosion and scale buildup inside the boiler and associated piping. The design optimizes the distribution and mixing of steam and water, ensuring thorough gas removal with minimal energy consumption. Compact and robust, a steam deaerator head enhances boiler performance and extends equipment life. It is suitable for various industrial applications where high-quality, oxygen-free feedwater is crucial. Easy to install and maintain, the device supports system reliability and operational efficiency. Deaerator heads are available in different sizes and configurations to meet specific capacity and space requirements.

DESIGN PARAMETERS

- Hydrotest Pressure 18 kg/cm²
- Max. Working Temperature.: 220 °C

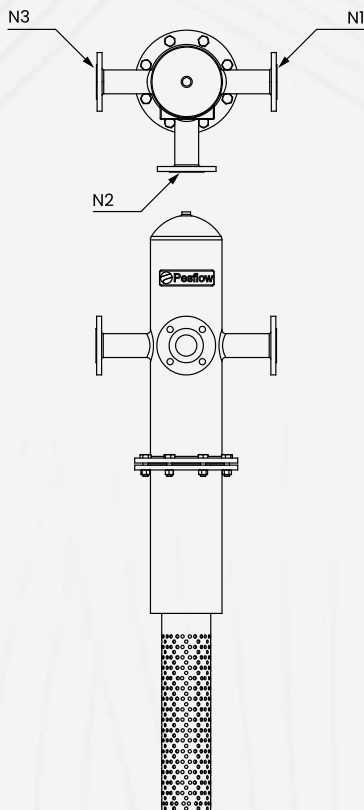
BILL OF MATERIAL

Sr. No	ITEM DESCRIPTION	MATERIAL
1	Body	MS/SS
2	Flanges & Fittings	MS/SS
3	Fasteners	MS/SS
4	Perforated Sheet	MS/SS
5	Gasket	Non-Asbestos / Spiral Wound Gasket

NOZZEL SIZE CHART

NOZZLE	DESCRIPTION	PDH-150	PDH-200	PDH-250	PDH-300
N1	Condensate Inlet	50 NB	80 NB	100 NB	125 NB
N2	Make Up Water	40 NB	50 NB	80 NB	100 NB
N3	Flash Steam Inlet	50 NB	80 NB	100 NB	125 NB

CAPACITY CHART

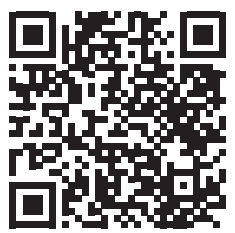


BOILER CAPACITY (Kg/Hr)

upto 3000
 3000-7000
 7000-15000
 15000-25000

MODEL (NB)

PDH-150
 PDH-200
 PDH-250
 PDH-300



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