De-aerator Head
UDH

UNI KLINGER is keeping with the innovative Methods to help Process Industries achieve higher levels of operational Efficiency have to proper and thorough mixing of Boiler Feed water with the other available thermal streams as well as removal of non condensable gases from BFW tank.

What is a Deaerator Head –

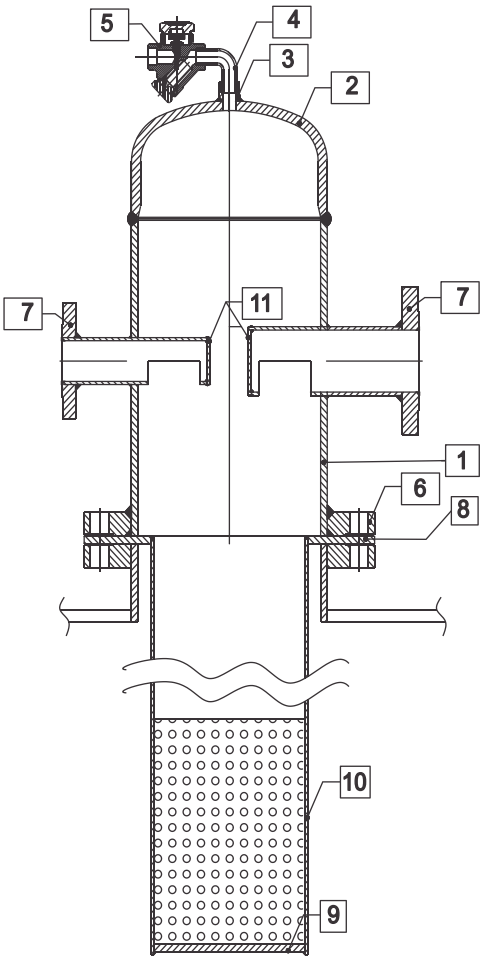
An attachment to the existing BFW tank

- *Mixing nozzles for Flash steam, Condensate from Plant areas and Fresh Make-up water*
- *SS perforated mixing pipe immersed in feed water*
- *Optional recycling water circulation system on Request.*

Features:-

Various reasons to go for Deaerator Head for Process Boilers

- *Removes Air, Oxygen, and other non condensable gases.*
- *Provides effective mixing of BFW with available thermal streams.*
- *Immersed Perforated Pipe allows uniform heating in Feed water tank.*
- *Improves efficiency of Boilers by preheating Feed water.*
- *SS internals avoid corrosion.*
- *HP boilers can afford to go for a pressurized de-aeration system. But for process boilers a separate DA vessel will cost as much as the boiler cost and may not be affordable and justified.*



MATERIAL OF CONSTRUCTION:

Body Carbon Steel/ Stainless Steel

Internals SS 316

SIZES AVAILABLE:-

150 NB to 300 NB

(Other sizes also available as per application)

INSTALLATION:-

Preferably in Vertical position.

OPERATING CONDITIONS :

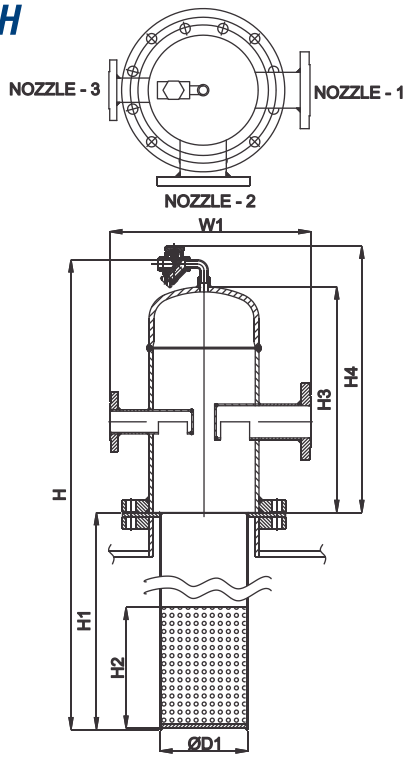
Maximum Operating Pressure : 10.50 kg/cm2(g)

Maximum Operating Temperature : 400°C

OPTIONAL:-

IBR/Non-IBR

Deaerator Head
UDH



BILL OF MATERIAL:-

No.	PART NAME	MATERIAL	MATERIAL CODE
11	End Plate	Carbon Steel	Carbon Steel
10	Deep Tube SCH. 10`S	Stainless Steel	AISI 316
9	End Plate	Stainless Steel	AISI 316
8	Connecting Plate	Stainless Steel	AISI 316
7	SORF Flanges Class 150	M.S.	M.S.
6	Branch Pipe	Carbon Steel	ASTM A 106 Gr. B
5	Thermostatic Trap	Forged Steel	ASTM A 105
4	Bend 1/2"	M.S.	M.S.
3	Half Coupling BSP #3000	Carbon Steel	ASTM A 105
2	Dish End	M.S.	M.S.
1	Dearator Head Pipe SCH.40	Carbon Steel	ASTM A 106 Gr. B

SR.	Size	Dearator Head ØD (Inches)	Perforation Tube ØD1 (Inches)	Height H (mm)	Height H1 (mm)	Height H2 (mm)	Height H3 (mm)	Height H4 (mm)	Width W (mm)	Width W1 (mm)	Condensate Nozzle -1	Flash Steam Nozzle -2	Make up Nozzle -3
1	150 NB	6"	4"	1760	1200	400	450	560	188	356	50 NB	80 NB	40 NB
2.1	200 NB	8"	6"	1860	1200	400	550	660	214	417	80 NB	100 NB	50 NB
2.2	200 NB	8"	6"	2460	1800	400	550	660	214	417	80 NB	100 NB	50 NB
3.1	250 NB	10"	8"	2510	1800	500	600	710	241	471	100 NB	150 NB	80 NB
3.2	250 NB	10"	8"	3110	2400	500	600	710	241	471	100 NB	150 NB	80 NB
4.1	300 NB	12"	10"	2710	1800	500	800	910	266	522	125 NB	150 NB	100 NB
4.2	300 NB	12"	10"	3310	2400	500	800	910	266	522	125 NB	150 NB	100 NB

HOW TO ORDER

While ordering always specify total length, design and working pressure/Temperature.
Example :- UDH 200 NB Total Length 1860 mm

Other Products : Cast / Forged Steel Piston Valves, Bellow seal valves, High Pressure valves (Gate/Globe) , Strainers – "Y" Type, ITVS
Steam Traps (Thermodynamic, Thermostatic, Ball Float Traps and IBT), Pressure Reducing Station, Condensate Recovery Products.
Level Gauges (Reflex, Transparent, Bicolor), Sight Glass, Hot Water Generation System, Safety and Relief Valves.

FSD Products : Compressed Asbestos / Non Asbestos Fiber Sheeting / Cut Gaskets, Spiral Wound Gaskets / Gland Packing

In view of technical progress designs and dimensions are subject to change without notice.

UNI KLINGER LIMITED
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AN ISO 9001 : 2015 COMPANY

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