

# SHELL AND TUBE GLASS LINED HEAT EXCHANGER

## Your Benefits

- Extended Equipment Longevity
- Optimised Design to Other Glass Lined, Graphite Heat Exchanger and High Alloy Equipment
- Multiple Applications
- Particle Free Application / Process
- Work at 6 kg / cm<sup>2</sup> Pressure



**Standard Glass™**  
Customer Inspired Excellence

## Structure:

- Tubes are completely welded to the tube-sheets to make a mono-block structure
- The entire surface coming in contact with corrosive fluids is completely glass-lined
- It can be installed both vertically and horizontally
- Thoroughly inspected for pinhole and hydraulic tests as required

## Characteristics:

- Excellent Corrosion Resistance
- No Contamination of Media
- Free from Fouling Deposits and Easy for Cleaning Work
- Space-saving construction

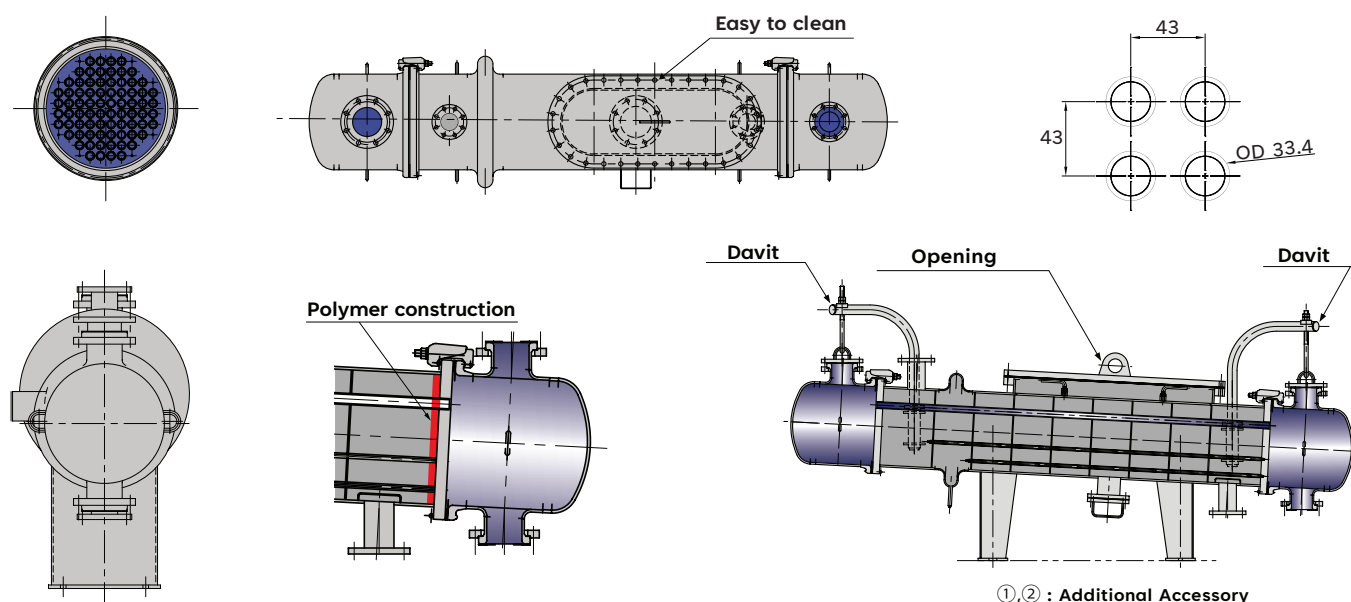
## Application:

- The condensation of the stream
- Evaporation of the liquid
- Heating of the liquid
- Cooling of the liquid

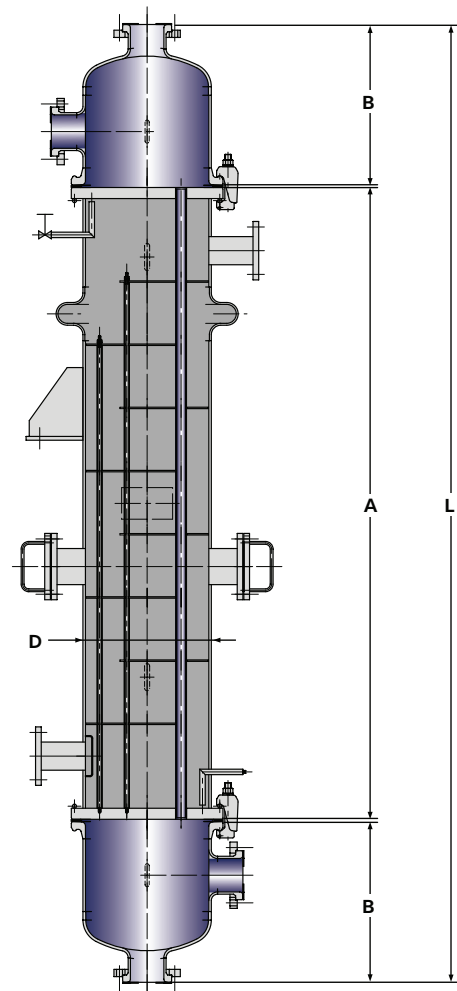
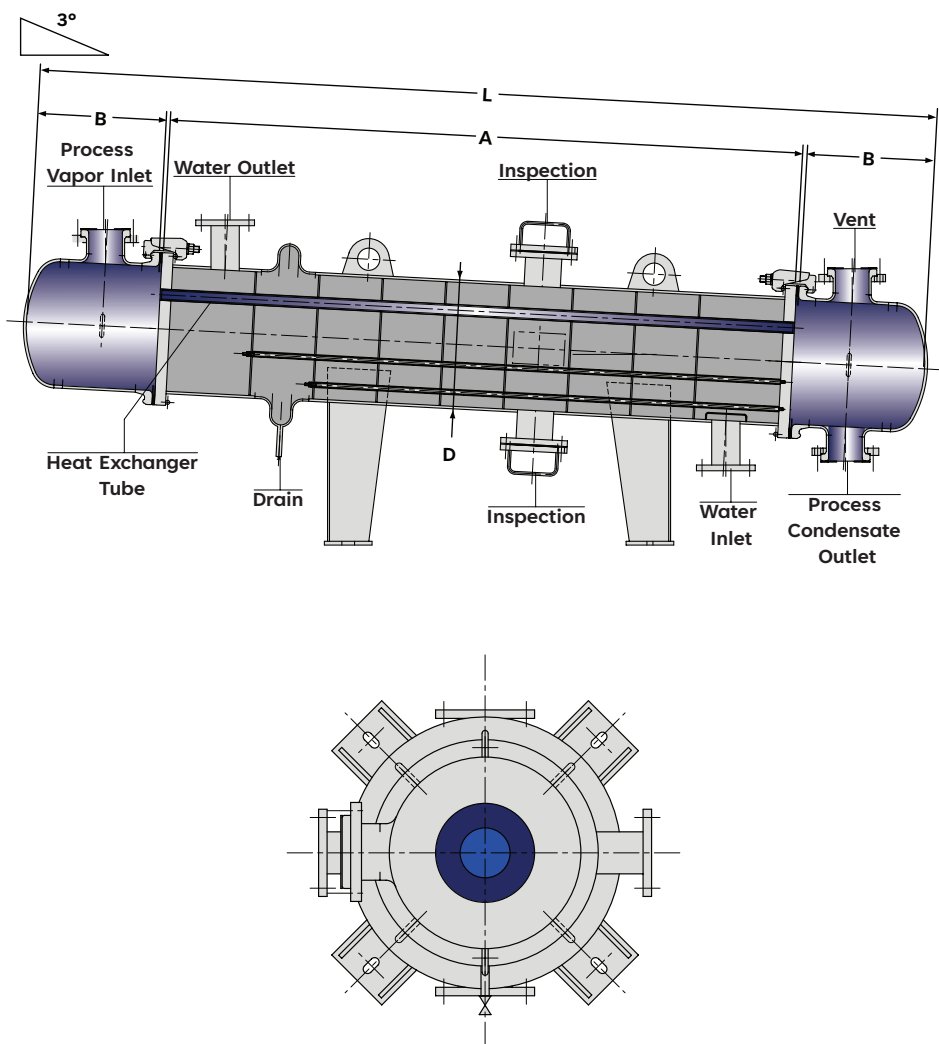
## Option:

Various types are fabricated according to the process and maintenance requirement.

- Polymer construction type
- Easy to clean
- Davit arm installation type
- Smart Seal on nozzle



Maximum Design Pressure	Shell Side	6 Kg / cm <sup>2</sup>
	Tube Side	FV ~ 6 Kg / cm <sup>2</sup>
Maximum Design Temperature	Shell Side	180 °C
	Tube Side	180 °C
Allowable Temperature Difference Against Thermal Shock	$\Delta t = 100\text{ }^{\circ}\text{C}$	
	However, depending on the conditions, $\Delta t = 80\text{ }^{\circ}\text{C}$	
Overall Heat-Transfer Co-Efficient	150 ~ 350 kcal / m <sup>2</sup> h °C (170 ~ 400 W / m <sup>2</sup> K)	
Pinhole Test	D.C. 10,000 V Electric test	
Hydro Test	6 Kg / cm <sup>2</sup>	
Available Sizes	Ranging from 2 to 40 m <sup>2</sup>	



## STANDARD DIMENSIONS

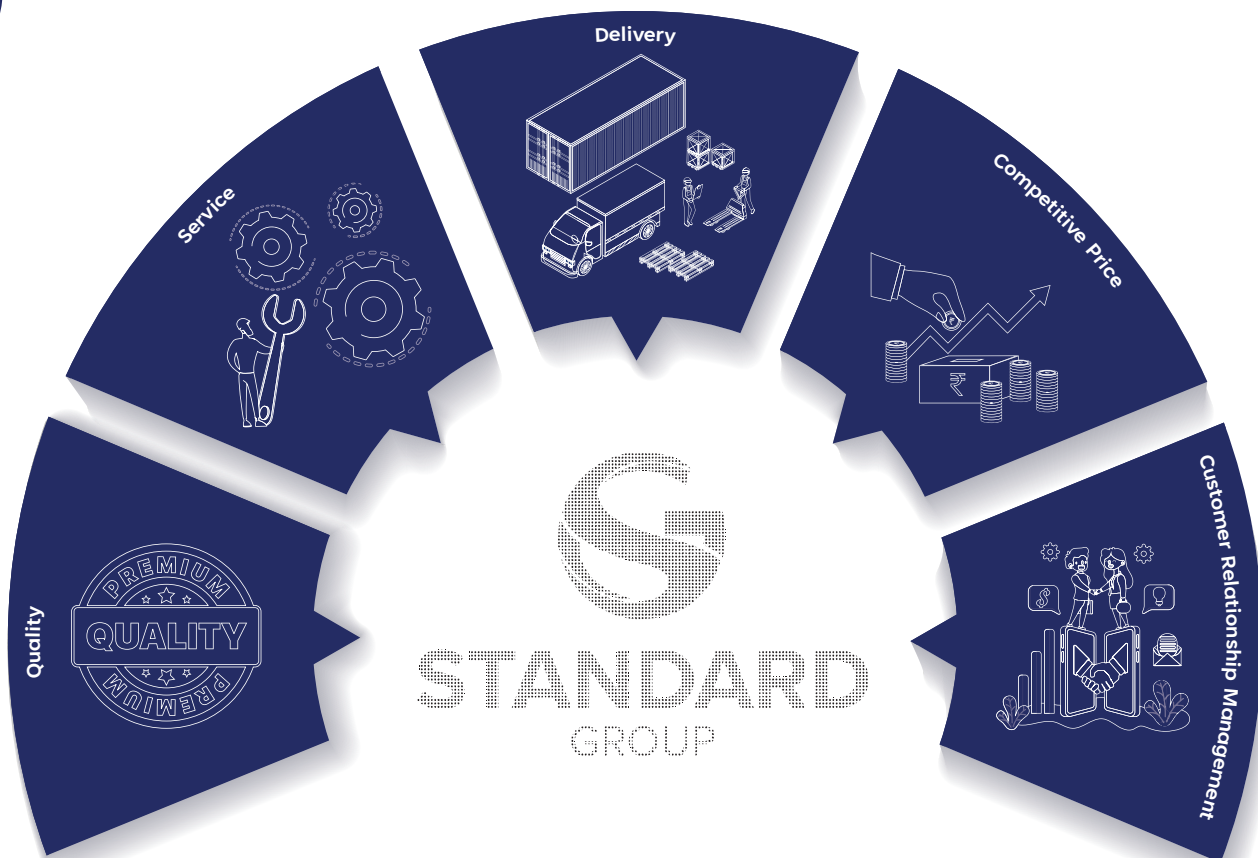
Model No	Heat Transfer area (m <sup>2</sup> ) Approx.	Tube Sheet OD (mm)	Shell Diameter (mm) ØD (D)	Length of Heat Exchanger without end covers (mm) A	Length of end cover (mm) B	Total length of Heat Exchanger with end covers (mm) L	Vapour Volume (L) Approx.	Jacket Volume (L) Approx.	Horizontal Net Wt. (approx. kg)	Vertical Net Wt. (approx. kg)
SHEH / STV - 2	2	406	324	1390	375	2164	81	138.0	700	655
SHEH / STV - 4	4	488	406	1390	530	2226	110	152.0	841	724
SHEH / STV - 6	6	488	406	1390	530	2226	110	152.0	841	724
SHEH / STV - 8	8	590	508	1390	550	2514	218	262.0	1025	865
SHEH / STV - 10	10	590	508	1390	550	2514	218	255.0	1145	945
SHEH / STV - 12	12	590	508	1990	550	3114	218	326.0	1532	1318
SHEH / STV - 14	14	590	508	1990	550	3114	218	326.0	1585	1318
SHEH / STV - 16	16	692	610	1990	580	3174	324	344.0	1614	1488
SHEH / STV - 18	18	692	610	1990	580	3174	324	344.0	1648	1486
SHEH / STV - 20	20	692	610	1990	580	3174	324	344.0	1648	1531
SHEH / STV - 22	22	692	610	2740	580	3924	324	566.0	2318	2106
SHEH / STV - 24	24	692	610	2740	580	3924	324	566.0	2334	2118
SHEH / STV - 26	26	692	610	2740	580	3924	324	566.0	2362	2244
SHEH / STV - 28	28	692	610	2740	580	3924	324	566.0	2404	2263
SHEH / STV - 30	30	692	610	2740	580	3924	324	566.0	2418	2368
SHEH / STV - 32	32	795	711	2740	630	4024	407	822.0	2534	2368
SHEH / STV - 34	34	795	711	2740	630	4024	407	822.0	2585	2392
SHEH / STV - 36	36	795	711	2740	630	4024	407	822.0	2634	2392
SHEH / STV - 38	38	795	711	2740	630	4024	407	822.0	2684	2415
SHEH / STV - 40	40	795	711	2740	630	4024	407	822.0	2814	2467

Certification available:



Our **company** serves:

- Pharmaceuticals
- API
- Chemical
- Agrochemical
- Biotechnology
- Life Sciences
- Food and Beverages



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