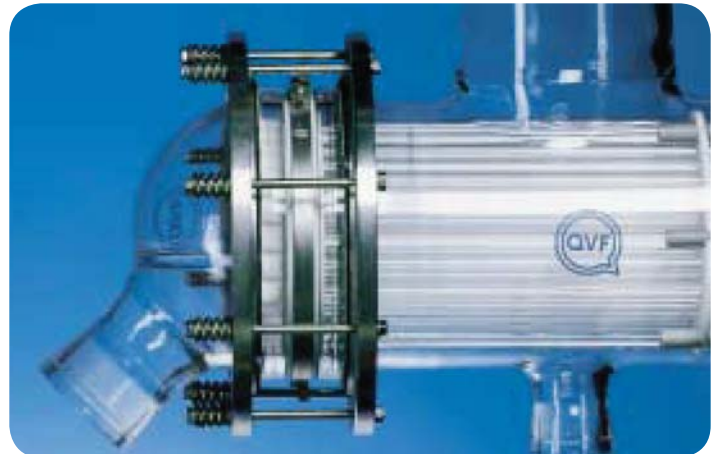


**Product Description**

Shell and tube heat exchangers provide a versatile alternative to coil-type heat exchangers. They were conceived as condensers, but they are equally suitable for heat transfer between two liquids or gases. Available in either a single pass or a triple pass version, the RBW series heat exchangers offers a range of capabilities to meet high-corrosion process needs effectively. It can cope with the most stringent demands for product purity, process versatility and ease of maintenance.

It is available in models ranging from 2.5 to 25 sq. meters of heat transfer. Standard units are equipped with a Borosilicate 3.3 shell, glass tubes, PTFE baffles, and individual tube seals. Single or triple pass designs are available.



*RBW shell and tube sides both corrosion resistant*

DN	Maximum Temperature Difference for Glass Heat Exchanger Tubes (K)	Permissible operating temperature (°C)	Maximum Permissible operating pressure (bar g)		Permissible differential pressure for tube plate (bar)
			Shell	Tube side*	
150	130	-50/+150	-1/+2	3	4
200	130	-50/+150	-1/+1	3	4
300	130	-50/+150	-1/+1	3	4

*\* Dependant upon Material of Construction with bonnets.*

When installing shell and tube heat exchangers appropriate precautions should be taken. Details of these can be found in the installation and operating manual supplied with each item. The standard version of these heat exchangers are designed to be installed horizontally, however vertical version can be supplied.

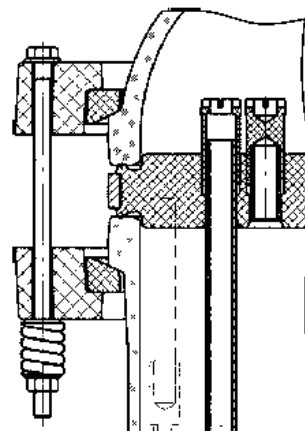
Versions can also be provided with silicon carbide heat exchanger tubes (SiC) for increased heat transfer efficiency and various materials of construction for bonnets.

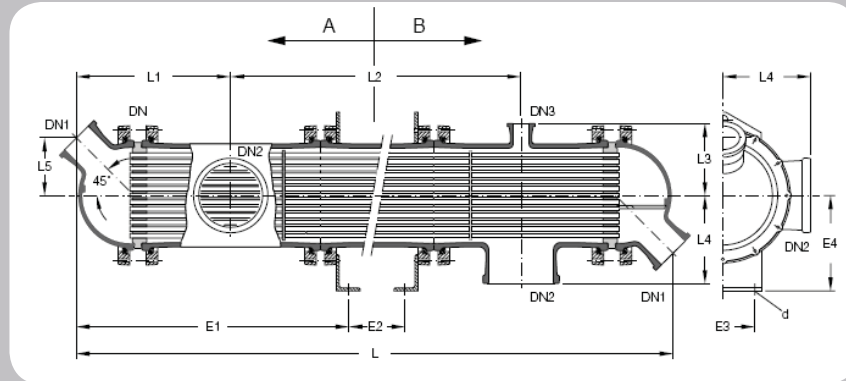
**The Model RBW Sealing Mechanism**

The model RBW features individual tube seals. By tightening the threaded PTFE bushing the bushing cone is compressed forming the tube seal. This allows an extremely reliable seal and simple replacement or plugging of tubes from the end.



*RBW with SiC tubes and stainless steel bonnets*





DN	Area (m <sup>2</sup> )	DN1	DN2	DN3	L	L1	L2	L3	L4	L5	Type	Reference
150	2.5	50	100	50	1774	332	1110	160	200	108	A	RBW150/25G1G
150	2.5	50	100	50	1774	332	1110	160	200	108	B	RBW150/25G3G
150	3.2	50	100	50	2274	332	1610	160	200	108	A	RBW150/32G1G
150	3.2	50	100	50	2274	332	1610	160	200	108	B	RBW150/32G3G
150	4.0	50	100	50	2774	332	2110	160	200	108	A	RBW150/40G1G
150	4.0	50	100	50	2774	332	2110	160	200	108	B	RBW150/40G3G
150	5.0	50	100	50	3274	332	2610	160	200	108	A	RBW150/50G1G
150	5.0	80	100	50	3274	332	2610	160	200	108	B	RBW150/50G3G
200	5.0	80	150	50	2282	386	1510	175	250	138	A	RBW200/50G1G
200	5.0	80	150	50	2282	386	1510	175	250	138	B	RBW200/50G3G
200	6.3	80	150	50	2782	386	2010	175	250	138	A	RBW200/63G1G
200	6.3	80	150	50	2782	386	2010	175	250	138	B	RBW200/63G3G
200	8.0	80	150	50	3282	386	2510	175	250	138	A	RBW200/80G1G
200	8.0	80	150	50	3282	386	2510	175	250	138	B	RBW200/80G3G
200	10.0	80	150	50	3782	386	3010	175	250	138	A	RBW200/100G1G
200	10.0	80	150	50	3782	386	3010	175	250	138	B	RBW200/100G3G
300	12.5	100	200	50	2318	504	1310	235	275	180	A	RBW300/125G1G
300	12.5	100	200	50	2318	504	1310	235	275	180	B	RBW300/125G3G
300	16.0	100	200	50	2818	504	1810	235	275	180	A	RBW300/160G1G
300	16.0	100	200	50	2818	504	1810	235	275	180	B	RBW300/160G3G
300	20.0	100	200	50	3318	504	2310	235	275	180	A	RBW300/200G1G
300	20.0	100	200	50	3318	504	2310	235	275	180	B	RBW300/200G3G
300	25.0	100	200	50	3818	504	2810	235	275	180	A	RBW300/250G1G
300	25.0	100	200	50	3818	504	2810	235	275	180	B	RBW300/250G3G