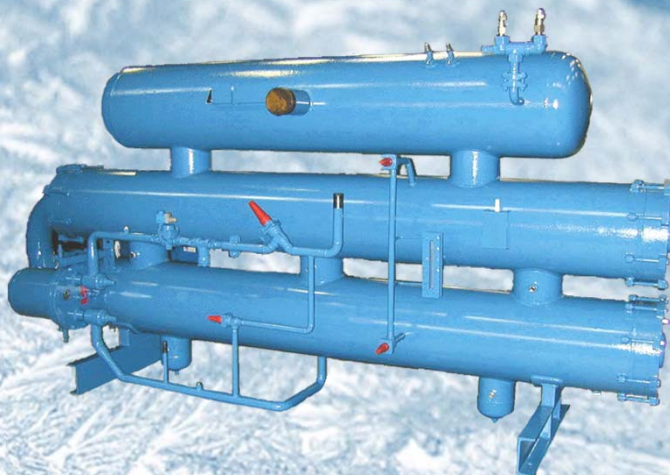




TEKNOTHERM

MARINE



RSW - LIQUID CHILLER VKN

Type VKN

Flooded Shell & Tube design for seawater, brine and other fluids. Designed for ammonia and halocarbons as refrigerant.

Shell

Made of seamless steel tube in quality St. 35 according to class requirements.

Tube End Plates

These are plates in stainless steel SIS 2343 and are electrically welded to the chiller shell. The holes for the tubes are exactly made with grooves to assure a safe tightening when tubes are rolled in.

The tubes are made of titanium Grade 2. ASTM 355. Titanium is extremely qualified in resisting corrosion from sea water and brackish water.

Supporting Plates

For support of the tubes and to avoid vibration and noise.

Water endcovers

The water endcovers are in standard design of cast iron, and are made for flange connections. The larger models will have endcovers in hot dipped galvanized steel. For corrosion protection the water endcovers are equipped with corrosion anodes.

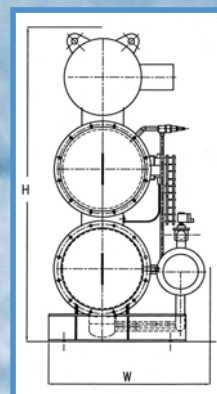
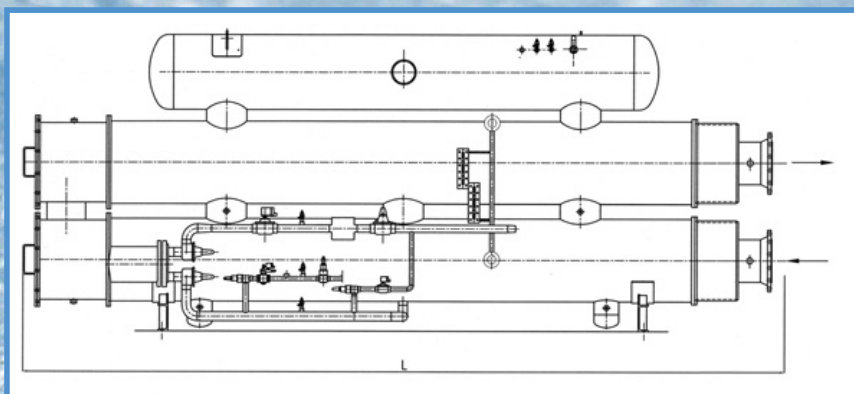
Suction vessel

Suction vessel of ample size constructed with inside baffles to give extremely good separation of refrigerant drops and oil from the suction gas.

Design and testing

This is performed according to Det Norske Veritas' and most major classification societies' requirements. After testing, the chiller is sealed and charged with nitrogen gas with a small overpressure. The chiller external surface is painted with a protecting paint.

RSW - LIQUID CHILLER VKN



Type	Nom.cap.	Water side		Unit dimensions			Weight kg Net
	kW	m ³ /h	D.N	L mm	W mm	H mm	
VKN2 x 24"/4 2 x F330	1500	900	300	5020	1100	2220	4400
VKN2 x 24"/3,5 2 x F330	1250	900	300	4520	1100	2220	3900
VKN2 x 24"/3 2 x F330	1000	850	300	4520	1100	2220	3400
VKN2 x 22"/4 2 x F268	1160	600	250	5020	1000	2120	3350
VKN2 x 22"/3,5 2 x F268	950	550	250	4520	1000	2120	3350
VKN2 x 22"/3 2 x F268	800	550	250	4000	1000	2120	2875
VKN2 x 18"/3,5 2 x F180	650	400	200	4230	900	1850	1900
VKN2 x 18"/3 2 x F180	540	350	200	3740	900	1850	1600
VKN1 x 18"/3,5 1 x F180	325	200	125	4230	900	1350	1350
VKN1 x 18"/3 1 x F180	290	200	125	3740	900	1350	1100
VKN2 x 16"/3 2 x F126	390	280	150	3565	900	1580	1245
VKN2 x 16"/2 2 x F126	240	230	150	2575	900	1580	875
VKN1 x 16"/3 1 x F126	205	140	100	3200	900	1200	650
VKN1 x 16"/2 1 x F126	145	150	100	2240	900	1200	600
VKN2 x 14"/2 2 x F98	205	220	125	2575	800	1520	700
VKN1 x 14"/2 1 x F98	100	100	80	2200	800	1100	550

**Consult Teknotherm for dimensioning of chiller
for a specific installation.**

We reserve the rights to change specification without notice.

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