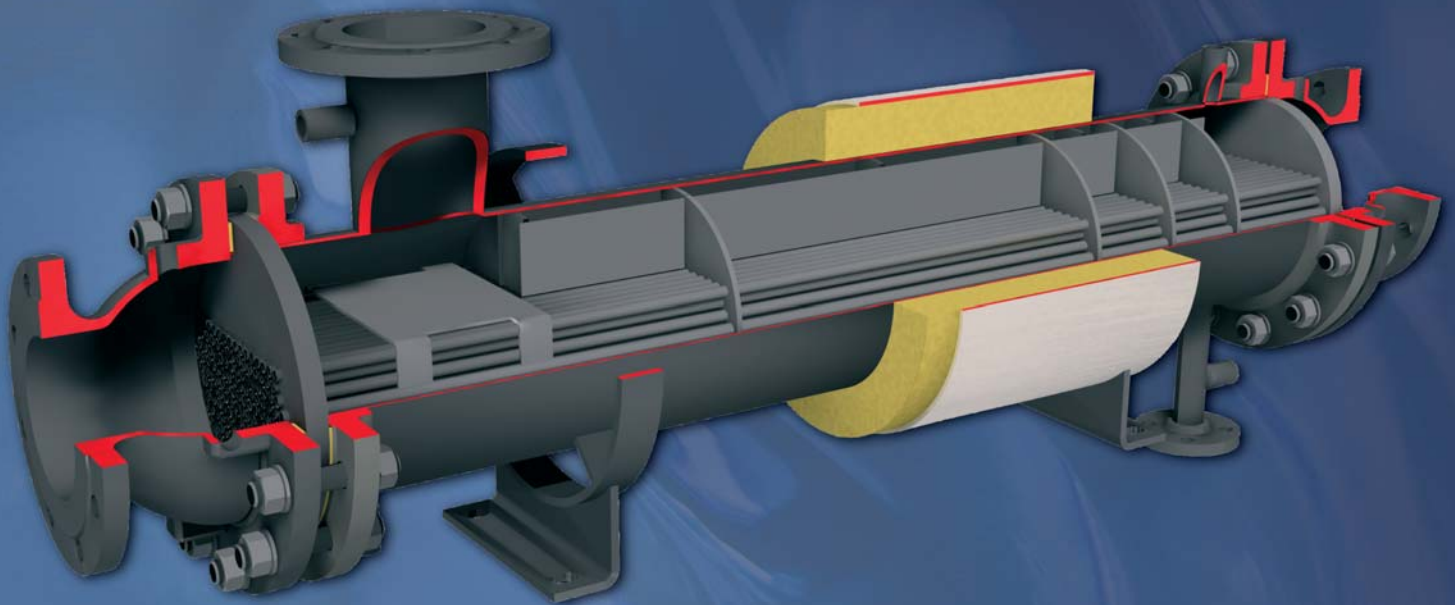




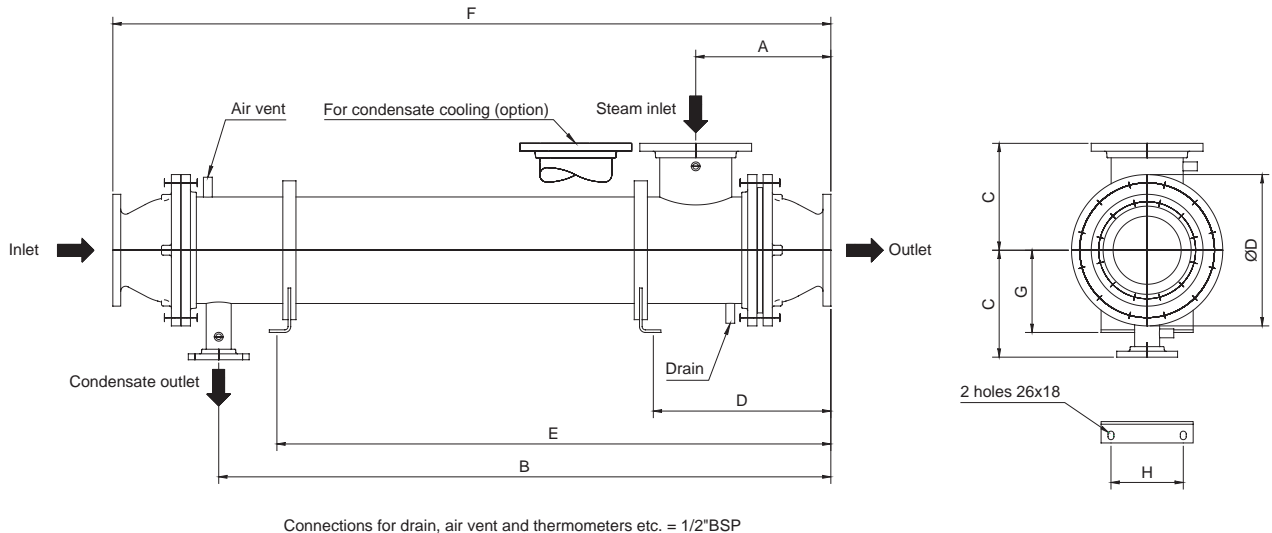
Multi-purpose heater
in noble materials

VESTA™ MD COOLER/CONDENSER



VESTA™ MD coolers and condensers are shell & tube heat exchangers applicable as dump condensers, drain coolers, tank washing heaters or oil coolers.

The straight tube design condenser in extremely durable materials is available in designs for either atmospheric or pressurised (up to 16 barg) operation. VESTA™ MD is approved by all major marine classification societies.



Description

Tube sheets and water boxes in aluminium bronze and tubes in CuNi 90/10 provide the advantages of a very durable product resistant to seawater and requiring no sacrificial anodes. The VESTA™ MD can be installed in vertical or horizontal positions.

The externally sealed floating head tube sheet of the straight tube coolers/condensers compensates for thermal expansion. The design conditions for the shell and tube side are 16 bar(g)/204°C and 16 bar(g)/100°C respectively.

The capacity range of the VESTA™ MD cooler is 400 – 6,000 kg/h steam at 3 bar(g)/157°C which is subcooled to 90°C with 32°C seawater. As a tank washing heater, the maximum capacity is up to 360 m³/h seawater heated from 5°C to 80°C.

STANDARD PRODUCT RANGE

Capacity and dimensions

Type	A	B	C	ØD	E	F	G	H
MD 15	281	L+5	253	285	L-120	L+233	170	130
MD 20	319	L+29	280	340	L-125	L+285	210	170
MD 25	386	L+56	307	405	L-80	L+363	250	230
MD 30	411	L+62	333	460	L-115	L+384	250	230

	Nozzles	MD15	MD20	MD25	MD30	
Sea water inlet	N1	DN100	DN125	DN150	DN200	Fixed size
Sea water outlet	N2	DN100	DN125	DN150	DN200	Fixed size
Steam inlet	N3	DN100	DN125	DN150	DN200	Max. size
Condensate outlet	N4	DN40	DN40	DN50	DN65	Max. size
Inlet for drain cooling (optional)	N5	DN100	DN125	DN150	DN200	Max. size

Standard programme – weights in kg

Type \ Length	600	750	850	1000	1200	1500	1800	2000
MD	93	99	104	110	119	132	143	151
MD	137	148	155	166	180	202	220	234
MD	209	226	238	255	279	314	339	360
MD	277	302	319	343	377	426	461	480