

Customer	
Department	
Referee	
Phone/Fax	

VDL Delmas GmbH
Wärmetauscher+Kühlanlagen



TECHNICAL DATA AND SPECIFICATION FOR COOLING PLANTS

General information

(permissible dimensions, permissible weight, description, function, operating and assembly conditions, impact stress, permissible limits)

Regulations for acceptance

(i.e.: TÜV / ASME / TEMA / Germanischer Lloyd / American Bureau of Shipping / Det Norske Veritas / Bureau Veritas)

Data for the heat exchanger

For specification sheet see enclosure	<input type="checkbox"/> 3-03	<input type="checkbox"/> 3-04	<input type="checkbox"/> 3-05	<input type="checkbox"/> 3-06	<input type="checkbox"/> 3-14	<input type="checkbox"/> 3-18	<input type="checkbox"/>
---------------------------------------	-------------------------------	-------------------------------	-------------------------------	-------------------------------	-------------------------------	-------------------------------	--------------------------

General assembly and operating conditions, surface protection

Installation	<input type="checkbox"/>	indoors	<input type="checkbox"/>	outdoors, sea air or aggressive surroundings
	<input type="checkbox"/>	outdoors, under a canopy	<input type="checkbox"/>	on deck of ocean-going ships or drilling rigs
	<input type="checkbox"/>	outdoors, normal climate	<input type="checkbox"/>	explosion protected EEX
VDE-degree of protection IP	<input type="checkbox"/>	23	solid bodies $\geq \varnothing 12.5$ mm	splash water 60° vertical
	<input type="checkbox"/>	54	dust protected	splash water from all directions
	<input type="checkbox"/>	55	dust protected	hose water from all directions
	<input type="checkbox"/>	56	dust protected	strong hose water (gush water when installed on deck)
	<input type="checkbox"/>	57	dust protected	occasional immersion in water when installed on deck
sound pressure level	<input type="checkbox"/>	no demands	<input type="checkbox"/>	with demands: dB(A) in m distance
surface protection			inner side	outer side
	degreasing/derusting	high pressure jet of water	<input type="checkbox"/>	<input type="checkbox"/>
	sand-blasting	SA 2.5	<input type="checkbox"/>	<input type="checkbox"/>
	prime coat	2 Component Epoxy	<input type="checkbox"/>	<input type="checkbox"/>
	intermediate coat	2 Component Epoxy	<input type="checkbox"/>	<input type="checkbox"/>
	top coat	2 Component Epoxy	<input type="checkbox"/>	<input type="checkbox"/>
	metal spraying of zinc		<input type="checkbox"/>	<input type="checkbox"/>
hot-dip galvanizing		<input type="checkbox"/>		
installation/fixing	<input type="checkbox"/>	no vibration absorbers	<input type="checkbox"/>	with vibration absorbers
connection socket	<input type="checkbox"/>	no compensators	<input type="checkbox"/>	with compensators
condensation water	<input type="checkbox"/>	one condensation water tub per heat exchanger	<input type="checkbox"/>	condensation water tub in housing

Supply aggregates	Primary side =		Secondary side =	
additional pressure loss in the system	mbar pressure loss by customer		mbar pressure loss by customer	
use of filters expected	<input type="checkbox"/>	by customer	<input type="checkbox"/>	DELMAS
	filter class, mesh size:		filter class, mesh size:	
	filter pressure loss mbar		filter pressure loss mbar	
use of blowers (or pumps) expected	<input type="checkbox"/>	by customer	<input type="checkbox"/>	DELMAS
number, capacity (vol. capacity, stat. pressure)	per piece	m ³ /h against mbar	per piece	m ³ /h against mbar
power supply	<input type="checkbox"/>	three-phase	<input type="checkbox"/>	direct current
				Volt Hz
Monitoring devices				
Temperature	<input type="checkbox"/>	inlet	<input type="checkbox"/>	outlet
	<input type="checkbox"/>	by customer	<input type="checkbox"/>	DELMAS
Pressure	<input type="checkbox"/>	inlet	<input type="checkbox"/>	outlet
	<input type="checkbox"/>	by customer	<input type="checkbox"/>	DELMAS
Filter difference in pressure	<input type="checkbox"/>	by customer	<input type="checkbox"/>	DELMAS
Monitoring device f. leakages/condensation	<input type="checkbox"/>	by customer	<input type="checkbox"/>	DELMAS