

Design Data

Design pressure, internal:	19.65 bar g
Design temperature, internal:	120 C
Minimum design metal temperature (MDMT):	10 C
Design liquid density at 15 deg C:	1004.0 kg/m ³
Head shape:	Ellipsoidal
Filter medium:	Cooling water
Corrosion allowance:	Ext: 0.0; INT: 3.0 mm
Wind design and Siesmic design:	Per PTS 11.10.01 AND PTS 12.20.01

PROCESS OPERATING DATA

Operating Fluid	Cooling Water	Density @Working Temperature	1004 kg/m ³
Operating Pressure	MAX:1200; NORMAL:1000; MIN:850 kPa g	@15 Deg C	1015 kg/m ³
Operating Temperature	MAX:35; NORMAL:30; MIN:25 Deg C	Viscosity	0.7972 cP
Ambient Temperature	MAX.: 35; MIN: 22 Deg C		
Operating Philosophy	1 * 100%		

Filter Details

Flowrate:	Max. 300m ³ /hr, normal 150m ³ /hr, min. 45m ³ /hr
Filtration required:	Particles larger than 10 micron
Filtration efficiency:	98%
Contaminants	
Maximum Pressure Drop	Clean 30 kPa; Dirty 100 kPa
Calculated Pressure Drop	Clean VTF kPa; Dirty VTF kPa
Turndown(if any)	
Filter Type/Internals	Wedge Wire Filter Elements
Manufacturer	VTF
Surface Area	VTF m ²
NO. of Elements/Size	VTF
Backwash Required/Type	Yes/External Motor Diving & Internal Rotating Mechanism

BASE DETAILS

Masses	Fabrication(Shipping)	TBD kg
	Erected	TBD kg
	Operating	TBD kg
	Test	TBD kg
	Removable Internals	BY VENDOR kg
Support Method		LEGS
Anchor Chair	Height	N/S
Baseplate Details		TBD
Anchor Bolt Details	Size	TBD
	No. OFF	TBD
	B.C.D	N/A

NOZZLE DATA

MARK	SIZE N.B. (mm)	No OFF	RATING, TYPE & FACING	ELEVATION FROM REF. TAN LINE	PLANT ORIENT DEG	PROJECTION (mm)	SERVICE	REMARKS
A	200	1	150# WN-RF	VTF	VTF	VTF	SEAWATER INLET	TO BE CONFIRMED WITH SITE VISIT
B	200	1	150# WN-RF	VTF	VTF	VTF	SEAWATER OUTLET	
C	VTF	1	150# WN-RF	VTF	VTF	VTF	VENT	
D	VTF	1	150# WN-RF	VTF	VTF	VTF	DRAIN	
PSV	VTF	1	150# WN-RF	VTF	VTF	VTF	PRESSURE SAFETY VALVE	
E	VTF	1	BODY FLANGE	VTF	VTF	VTF	MECHANICAL ACCESS OPENING/QUICK OPENING	

Information to be included:

1. Preliminary GA, Vessel size (ID, Height TL to TL), main nozzles size, flow direction etc.
2. Datasheet applicable.
3. Process Guarantee on performance & experiences list.