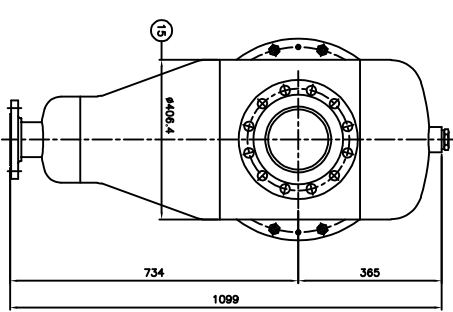
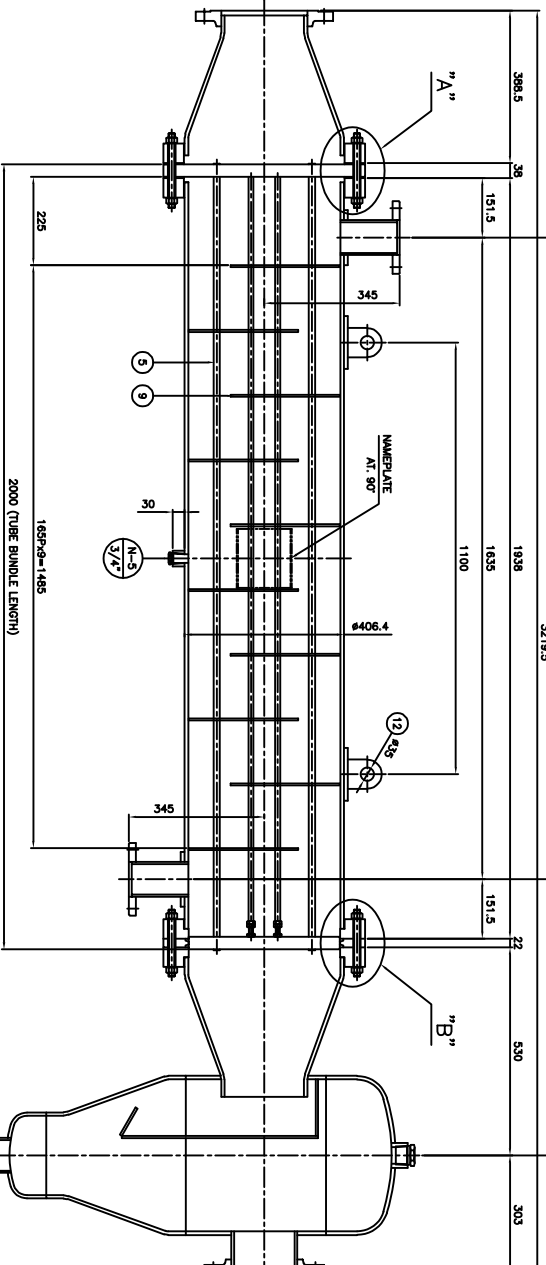
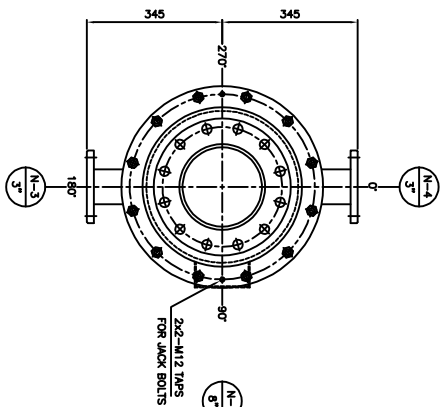


A circular diagram with a central cross. Eight small circles are arranged in a ring around the center, each containing a small cross. The entire diagram is enclosed in a larger circle.



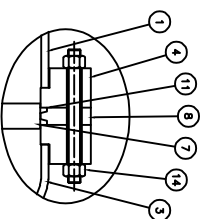
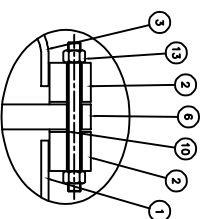
DESIGN DATA				
CODE OR REGULATION	ASME SEC. VIII DIV. 1, 2023 ED. & MGS A111			
ISSE CERTIFICATE MARK WITH DESIGNATOR "U"	NO			
FLUID CIRCULATED	SHELL SIDE	TUBE SIDE		
OPERATING PRESSURE	COOLING WATER	MPaG	AIR	MPaG
DESIGN PRESSURE	0.49 MPaG	0.69 MPaG	1.177 MPaG	MPaG
DESIGN TEMPERATURE	100 °C	200 °C	MPaG	°C
HYDRO. TEST PRESS.	0.735 MPaG	1.766 MPaG	1.177 MPaG	MPaG
LEAK TEST PRESS.	0.49 MPaG	1.177 MPaG	1.6 (G-5) mm	mm
CORROSION ALLOWANCE	1.6 (G-5) mm	1.6 (G-5) mm	0.85 / 0.85	
JOINT EFFICIENCY(C/A)	1.0 / -			
RADIOGRAPHY	NO	NO	SPOT 20%	
STRESS RELIEF	NO	NO	NO	
P.W.M.T	NO			
M.A.M.T	-10°C at 0.49 MPaG	-10°C at 1.177 MPaG		
M.A.M.P	0.49 MPaG at 100°C	1.177 MPaG at 200°C		
IMPACT TEST	NO	NO		
NO. OF PASS	1	1		
VOLUME	0.113 m³	0.224 m³		
HEAT TRANSFER AREA	30 m²	m²		
WEIGHT	BUCKET 370 kg	UNIT 850 kg		

AFTER COOLER
DHA-1004476

1. ALL DIMENSION IN MILLIMETER UNLESS OTHERWISE NOTED.
2. FABRICATION TOLERANCE SHALL BE IN ACCORDANCE WITH ISIRI 2255.
3. ALL FLANGE BOLT HOLES TO STRADDLE THE NATURAL VESSEL CENTRELINES UNLESS OTHERWISE SPECIFIED.
4. SPECIFIED FILED WELD SIZE SHALL BE MINIMUM.
5. SADDLE & LUG WEAR PLATE SHALL BE PROVIDED WITH #6 WEEP HOLE. (WITH GREASE)
6. SHELL INSIDE WELD PARTS SHALL BE FLUSH GRINDING.
7. PAINT

-OUTSIDE
PRIMER : IZ180N(GRAY)-70₁₀
FINISH : QT6612-50₁₀
FINAL COLOR : RAL 7015

NOZZLE LIST						
NO.	SIZE & RATING	MATERIAL		PIE	QTY	TYPE
		FLANGE	PIPE			
N-1	KS 1BK 6" FLANGE	SA105	SA106-B	40	1	SOHFF AIR INLET
N-2	KS 1BK 6" FLANGE	SA105	SA106-B	40	1	SOHFF AIR OUTLET
N-3	KS 1OK 3" FLANGE	SA105	SA106-B	40	1	SOHFF WATER INLET
N-4	KS 1OK 3" FLANGE	SA105	SA106-B	40	1	SOHFF WATER OUTLET
N-5	PT-3/4" HMF COUPLING WITH PLUG	SA105 & BRASS	-	1	-	DRAIN
N-6	PT-1/2" HMF COUPLING WITH PLUG	SA105 & BRASS	-	1	-	VENT
N-7	KS 1BK 3" FLANGE	SA105	SA106-B	40	1	SOHFF DRAIN



DETAIL "A"

DETAIL "B"

No.	Description	Material	Size	Qty	Remark
15	SEPARATOR TANK	SA53-B	400X625T	1 set	
14	3RD RING / REAR	SUS-304	160X170L	12/24	
13	3RD RING / REAR	SUS-304	160X170L	12/24	
12	HEAT EXCHANGER	SUS-304	160X170L	12/24	
11	UPPINO LUG	SA53-B-70	118	2	
10	O-RING	VTOR	#6.4	2	
9	BASE	NON-ASBESTOS	13	2	
8	UPPINO RING	SB171-C28800	15	10	
7	UPPINO RING	SA105	#514432	1	
6	REAR TUBESHEET	SA268-2	#360432	1	CR. COATING
5	INNER TUBESHEET	SA268-2	#514432	1	CR. COATING
4	INNER PIN TUBE	SB111-070900 /A	#15.6431.14	301	
3	FLANGE	SA105	#514450	2	
2	REDUCER	SO233-WP8	400X2200A	2	STD
1	FLANGE	SA105	#514450	2	
0	SHELL	SA53-B	400X625T	1	

AFTER COOLER
ITEM NO. : DHC-AA476

GENERAL ASSEMBLY

Customer

POSCO

Manufacture

D
DAEHEUNG COOLER CO., LTD.
OIL COOLER & HEAT EXCHANGER

W/O No.	DATE

Serial No.	2506-4476-01
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DHA-1004476