



JET

for metal industries



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9 second industrial area ,15 May city,Helwan , Cairo.

- **INSTALLATION AND OPERATION**

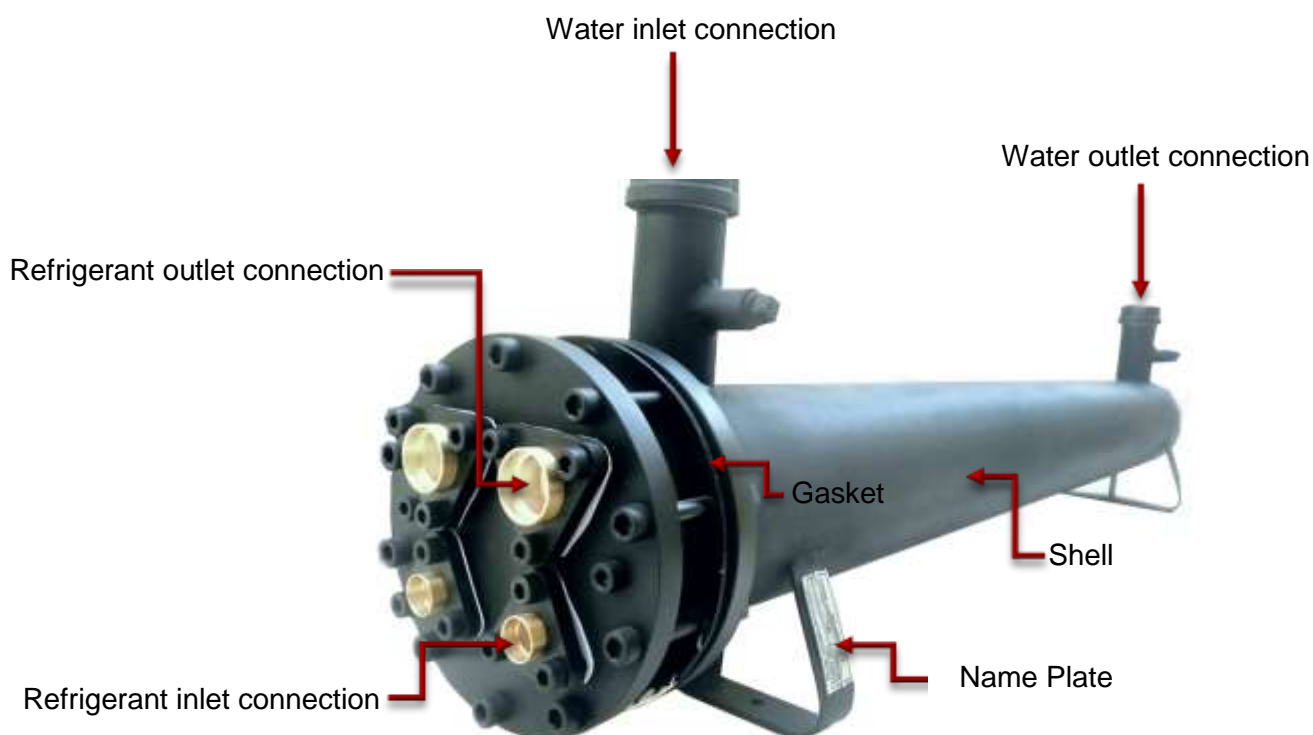
For correct installation and operation of the exchanger the following recommendations should be observed:

- install the exchanger in horizontal position
- purge completely the air from the exchanger during the water filling,
- keep the exchanger completely full of water or leave it totally drained when not in use for a long time.
- do not reverse the water inlet and outlet in order to not decrease the evaporator performance.
- do not expose the exchanger to excessive vibrations,
- avoid foreign particles entering the water circuit,
- do not operate with water temperature close to 0°C if not mixed with glycol,
- use only water or brine solutions compatible with the materials of the exchanger and not operate with temperatures close to freezing point.

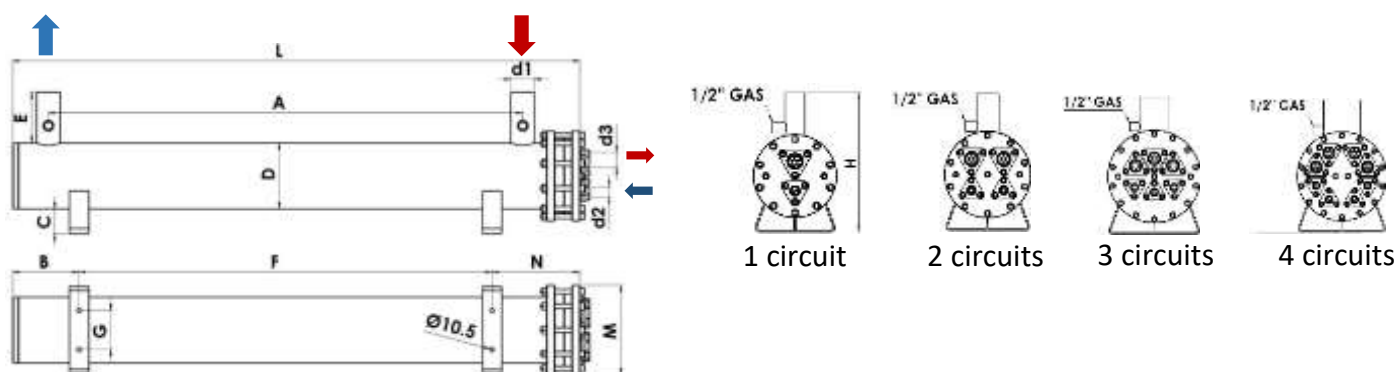
Construction Material		
Shell	Tubes	Cover
Carbon Steel*	Copper or Carbon Steel*	Carbon Steel*
Stainless Steel*	Stainless Steel*	Carbon Steel*

* Standard.

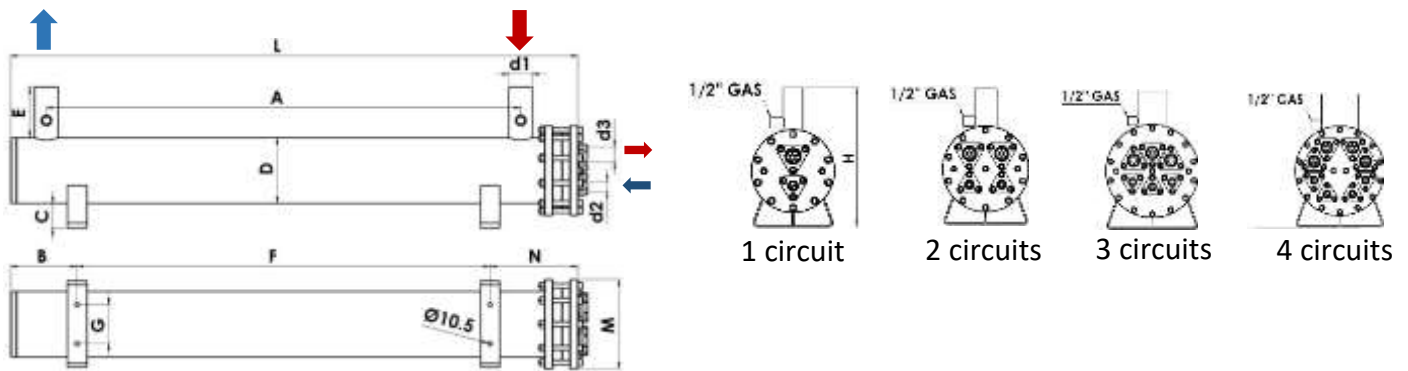
* Special order.



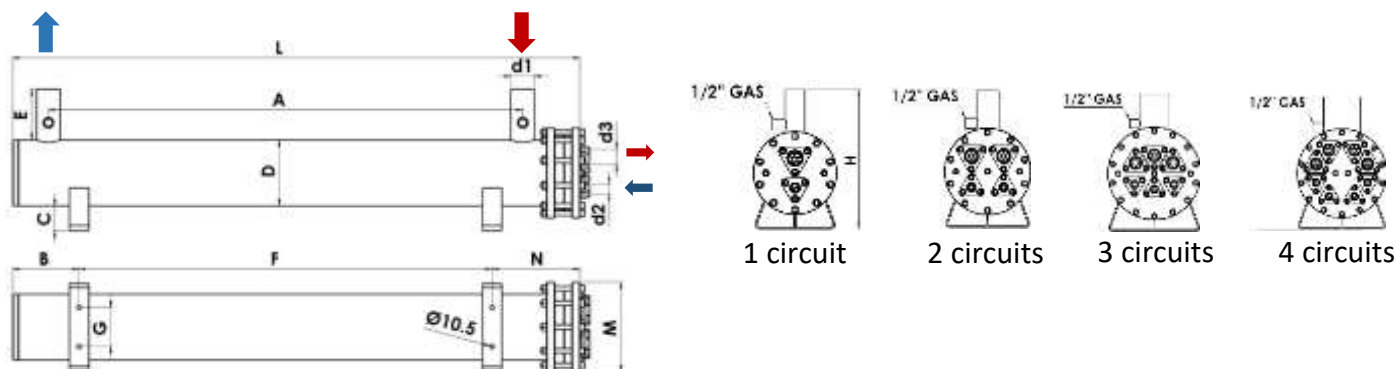
Pressure Test (PSI)	
Shell	150
Tubes	350



MODEL	GTEU	3	5	7	10	13	15	20	25	27	
Total Capacity	KW	10.56	17.6	26.4	35.2	45.8	52.8	70.4	88	95	
	Tons(RT)	3	5	7.5	10	13	15	20	25	27	
Water Flow Rate	m ³ /h	1.81	3.02	4.54	6	7.8	9.1	12.1	15.1	16.3	
Total capacity = sum total of all circuits											
Dimensions (mm)	A	509	689	839	1039	1199	1028	1188	1388	1548	
	B	135					170				
	C	65					65				
	D	141					168				
	E	130					130				
	F	410	590	740	940	1100	870	1030	1230	1390	
	G	100					100				
	H	335					362				
	L	735	915	1065	1265	1425	1265	1425	1625	1785	
	N	190					255				
WATER		d1	Ø 1-1/2"				Ø 2"				
connection	1 Circuit	d2	ØDS 22				ØDS 22			ØDS 22	
		d3	ØDS 35				ØDS 35			ØDS 54	
	2 Circuit	d2	ØDS 22				ØDS 22				
		d3	ØDS 35				ØDS 35				
R22 - R407C		Inlet water temperature +12°C Outlet water temperature +7°C					Evaporation temperature +2,5°C Condensation temperature +45°C Superheating 5°C				



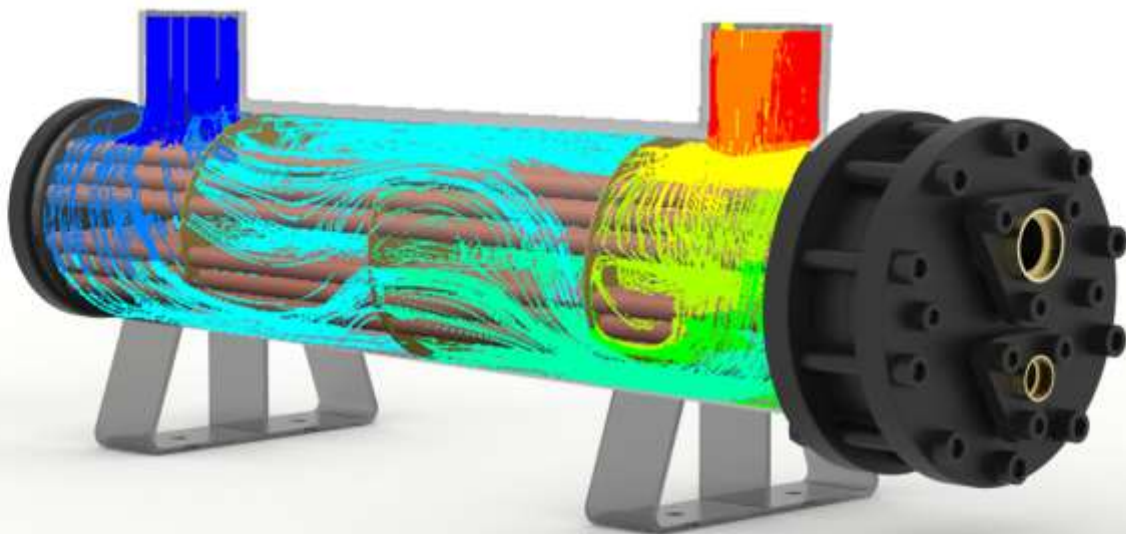
MODEL	GTEU	32	33	38	39	44	45	52	55	64	
Total Capacity	KW	112.6	116.2	133.8	137.3	154.9	158.4	183	193.6	225.3	
	Tons(RT)	32	33	38	39	44	45	52	55	64	
Water Flow Rate	m ³ /h	19.4	20	23	23.6	26.6	24.2	31.5	33.3	38.7	
Total capacity = sum total of all circuits											
Dimensions (mm)	A	1452	1482	1812	1842	1928	2022	2018	2088	2248	
	B	170									
	C	65									
	D	216									
	E	130									
	F	1320	1350	1680	1710	1860	1890	1950	2020	2180	
	G	150									
	H	413									
	L	1715	1745	2075	2105	2255	2285	2345	2415	2575	
	N	225									
WATER		d1	Ø 3"					DN 100			
connection	1 Circuit	d2	ODS 35					ODS 42			
		d3	ODS 54					ODS 64			
	2 Circuit	d2	ODS 28					ODS 35			
		d3	ODS 42					ODS 54			
	3 Circuit	d2	ODS 28					ODS 28			
		d3	ODS 42					ODS 42			
	4 Circuit	d2	ODS 22					ODS 22			
		d3	ODS 35					ODS 35			
R22 - R407C		Inlet water temperature +12°C Outlet water temperature +7°C					Evaporation temperature +2,5°C Condensation temperature +45°C Superheating 5°C				



MODEL	GTEU	70	76	90	100	110	128	134	140	
Total Capacity	KW	246.4	267.5	316.8	352	387.2	450.6	471.7	492.8	
	Tons(RT)	70	76	90	100	110	128	134	140	
Water Flow Rate	m ³ /h	42.3	46	54.4	60.5	66.5	77.4	81.1	84.7	
Total capacity = sum total of all circuits										
Dimensions (mm)	A	1722	1752	2042	2232	2372	1856	1936	2016	
	B	275						270		
	C	65						65		
	D	273						324		
	E	150						150		
	F	1500	1530	1820	2000	2150	1660	1740	1820	
	G	180						200		
	H	487						539		
	L	2110	2140	2430	2620	2760	2285	2365	2445	
	M	350						410		
N	345						355			
WATER		d1	DN 125				DN 150			
connection	1 Circuit	d2	ODS 42				ODS 54			
		d3	ODS 89				ODS 114			
	2 Circuit	d2	ODS 42				ODS 42			
		d3	ODS 64				ODS 89			
	3 Circuit	d2	ODS 35				ODS 35			
		d3	ODS 42				ODS 64			
	4 Circuit	d2	ODS 28				ODS 35			
		d3	ODS 42				ODS 54			
R22 - R407C		Inlet water temperature +12°C Outlet water temperature +7°C Superheating 5°C				Evaporation temperature +2,5°C Condensation temperature +45°C				

Design and calculation

- We use the latest software to reach the most accurate design.
- We apply a flow simulation for all product to check the heat transfer before manufacturing and compare the result after production.





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