

Dry-Expansion

Shell and Tube Evaporators



BG SERIES



HEAT
EXCHANGERS



HFO
READY

Materials use for standart Design Direct Expansion

- Copper Tubes
- Plastic Baffles
- Tubes Sheet, Carbon Steel
- Shell and Water Connection Carbon Steel
- Header and Refrigerant Connection Copper Tubes

Material use in Marine / Sea Water Resistant

- Copper-Nickel / Brass / Stainless Steel 304
- Baffles Stainless Steel / Brass / PE Plastic
- Tubes Sheet Stainless Steel 304
- Shell and Water Connection Stainless Steel 304
- Header and Refrigerant Connection Copper Tubes

CAPACITY & MAKSIMUM ALLOWED WATER FLOW CHART

Capacity in The Chart following working condition in Refrigerant R407C

Brine : Water, Temp In Brine 12 c, Temp Out Brine 12c

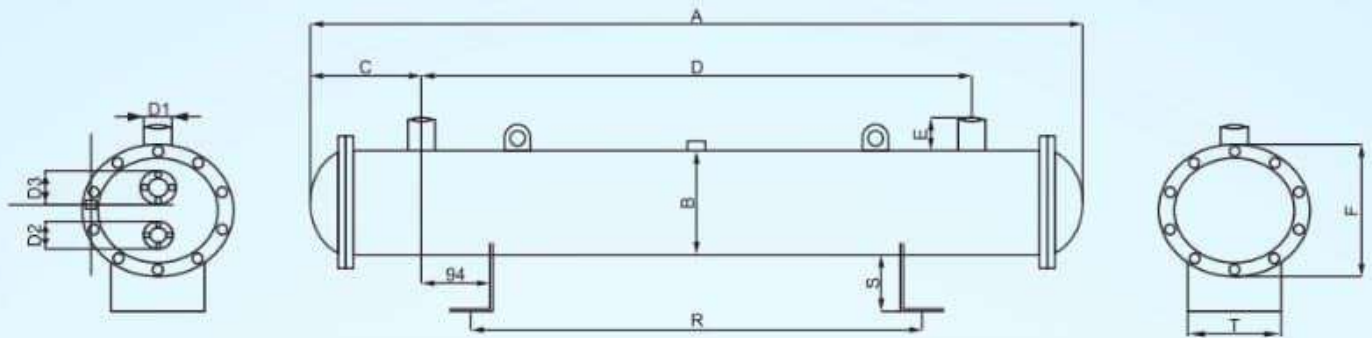
Temperature Evap 2,75 c, Temperature Condenser 45,26 c, SC 3 K – SH 5 K

BG_Model	COOLING CAPACITY KW	CAPACITY IN TR	WATER PRESSURE DROP	WATER FLOW M3/h	MAX WATER FLOW M3/h
BG-151	19	5,4	16	4	6,3
BG-152	30	8,5	29	6	7,5
BG-153	36	10,3	27	6	10
BG-154	48	13,7	41	8	11
BG-171	56	16	34	9,5	11,5
BG-172	64	18	35	10,8	14,5
BG-173	80	22,5	40	13,5	119
BG-174	94	26,7	44	16	22
BG-211	125	35,5	40	21,1	35
BG-212	145	41	48	24,7	35
BG-213	165	47	37	27,8	35
BG-311	204	58	35	34,6	55
BG-312	238	67,7	41	40,4	55
BG-371	325	92	44	55,1	80
BG-372	338	96	31	62,2	80
BG-373	403	115	41	68,3	80
BG-421	447	127	47	76,1	110
BG-422	509	145	40	86,8	110
BG-423	575	164	54	98	110
BG-501	675	191	62	115	180
BG-502	795	225	57	135,5	180

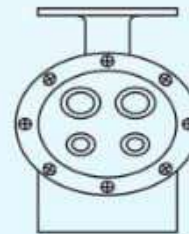
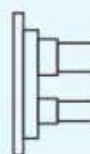
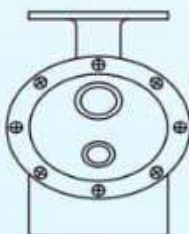
DESIGN DATA

TYPE	SHELL SIDE				TUBE SIDE			
	MT c	MP/ Bar	TM c	PT / Bar	MT c	MP/ Bar	TM c	PT / Bar
STANDART	90	30	-10	42,9	90	10	-10	14.3
MARINE	90	40	-10	64.4	90	10	-10	14.3

MT: Maximum allowed Temperature. MP: Maximum Pressure. PT: Pressure Test . TM: Temperature Minimum



BG Model	Dimension						Support			Connections			Volumes-Weights		
	A mm	B mm	C mm	D mm	E mm	F mm	R mm	T mm	S mm	Ref-in Conn	Ref-out Conn	Water Conn	Weight KG	Vol Tube side	Vol Shell Side
BG-151	915	165	137	700	80	195	550	160	75	5/8"	7/8"	T11	36	4.1	8.2
BG-152	1015	165	137	850	80	195	650	160	75	5/8"	7/8"	T11	42	4.8	9.6
BG-153	1275	165	143	1050	80	195	800	160	75	5/8"	7/8"	T2	47	6.1	12.2
BG-153.1	1275	165	143	1050	80	195	800	160	75	1/2"	3/4"	T2	47	6.1	12.2
BG-154	1425	165	143	1200	80	195	950	160	75	5/8"	3/4"	T2	53	6.8	13.6
BG-154.1	1425	165	143	1200	80	195	950	160	75	1/2"	3/4"	T2	53	6.8	13.6
BG-1771	1300	216	151	1045	85	230	800	160	75	3/4"	1"	T21	62	8.2	16.4
BG-171.1	1300	216	151	1045	85	230	800	160	75	5/8"	7/8"	T21	62	8.2	16.4
BG-172	1450	216	151	1190	85	230	950	160	75	3/4"	1"	T21	68	9.3	18.5
BG-172.1	1450	216	151	1190	85	230	950	160	75	5/8"	7/8"	T21	68	9.3	18.5
BG-173	1650	216	151	1390	85	230	1100	160	75	3/4"	1"	T21	73	10.4	21.1
BG-173.1	1650	216	151	1390	85	230	1100	160	75	5/8"	7/8"	T21	73	10.4	21.1
BG-174	1800	216	151	1540	85	230	1200	160	75	7/8"	1,1/8"	T21	78	11.6	23
BG-174.1	1800	216	151	1540	85	230	1200	160	75	3/4"	1"	T21	78	11.4	24.4
BG-211	1490	267	212	1175	95	260	800	160	75	1,1/8"	1,5/8"	J3	84	12.1	26.5
BG-211.1	1490	267	212	1175	95	260	800	160	75	7/8"	1,3/8"	J3	84	11.8	26.5
BG-212	1630	267	212	1310	95	230	1000	160	75	1,1/8"	1,5/8"	J3	88	12.8	28.9
BG-212.1	1630	267	212	1310	95	230	1000	160	75	7/8"	1,3/8"	J3	88	12.3	28.9
BG-213	1800	267	212	1480	95	230	1200	160	75	1,3/8"	1,7/8"	J3	93	114.1	31.9
BG-213.1	1800	267	212	1480	95	230	1200	160	75	1"	1,3/8"	J3	93	14	31.9
BG-311	1850	318	239	1485	120	290	1200	260	95	1,3/8"	1,7/8"	J4	126	18.3	43.1
BG-311.1	1850	318	239	1485	120	290	1200	260	95	1"	1,3/8"	J4	126	18	43.1
BG-312	2060	318	239	1695	120	290	1400	260	95	1,7/8"	2,1/8"	J4	133	20.8	47.7
BG-312.1	2060	318	239	1695	120	290	1400	260	95	1,3/8"	1,7/8"	J4	133	20.6	47.7
BG-371	2035	355	267	1615	140	350	1300	300	115	1,7/8"	2,1/8"	J5	201	27.2	77.4
BG-371.1	2035	355	267	1615	140	350	1300	300	115	1,3/8"	2,1/8"	J5	201	26.9	77.4
BG-372	2035	355	267	1615	140	350	1300	300	115	2,3/8"	2,7/8"	J5	218	30.3	73.4
BG-372.1	2035	355	267	1615	140	350	1300	300	115	2"	2,5/8"	J5	218	29.8	73.4
BG-373	2040	355	267	1615	140	350	1300	300	115	2,3/8"	2,7/8"	J5	225	34.2	68.8
BG-373.1	2040	355	267	1615	140	350	1300	300	115	2"	2,5/8"	J5	225	33.8	68.8
BG-421	2355	406	299	1850	160	400	1500	300	115	2,3/8"	2,7/8"	J6	308	44.7	127.6
BG-421.1	2355	406	299	1850	160	400	1500	300	115	2"	2,5/8"	J6	308	44.6	127.6
BG-422	2355	406	299	1850	160	400	1500	300	115	2,5/8"	3"	J6	324	53	127.5
BG-422.1	2355	406	299	1850	160	400	1500	300	115	2"	2,7/8"	J6	324	51	127.5
BG-423	2360	406	299	1850	180	400	1500	300	115	2,5/8"	3"	J6	345	63	111
BG-423.1	2360	406	299	1850	180	400	1500	300	115	2"	2,7/8"	J6	345	62.6	111
BG-501	2265	457	338	1695	200	490	1400	400	135	2,7/8"	3,5/8"	J8	440	66.4	195.6
BG-501.1	2265	457	338	1695	200	490	1400	400	135	2,3/8"	3"	J8	440	66.5	195.6
BG-502	2275	457	338	1695	200	490	1400	400	135	2,7/8"	3,5/8"	J8	468	75.3	185.7
BG-502.1	2275	457	338	1695	200	490	1400	400	135	2,3/8"	3,5/8"	J8	468	74.9	185.7



BG Series Performa

BG Series dapat menggunakan Refrigerant R407F, R407C dan refrigeran R410A juga R134a dan HFC lainnya, refrigeran HFO seperti R1234ze juga refrigeran alami seperti R290 dan R1270.

BG Series telah banyak digunakan pada komersial proyek dan industri produk inovatif, berkualitas tinggi dengan harga terjangkau dan ketersediaan produk serta garansi selama 1 tahun.

BG Series Juga tersedia untuk kebutuhan:

- Standart penggunaan Marine
- Standart Food Grade
- Standart dengan penggunaan bahan kimia yang bersifat korosive

untuk info lebih lanjut segera menghubungi distributor anda atau support Product Engenering Kami

di produksi oleh

anugerah bangkit indonesia
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Distributor