

WATER COOLED "AMMONIA" CONDENSER

MVCC 012 - 1 - 08- S

MATERIAL TUBE S = STAINLESS 304
T = STAINLESS 316

SIZE SHELL....INCH (SHELL 8 INCH)

NUMBER OF CIRCUIT 1 = 1 CIRCUIT , 2 = 2 CIRCUIT , 3 = 3 CIRCUIT

NOMINAL COMPRESSOR HORSE POWER (12 HP) AT : TC 42 °C , WATER IN 30 °C / OUT 35 °C

REFRIGERANT	NOMINAL HEAT CAPACITY (BTU/hr)
R22	12 x 1 x 8,333.4 x 0.91* = 91,000
R134A	12 x 0.95 x 8,333.4 x 0.91* = 86,450
R404	12 x 0.91 x 8,333.4 x 0.91* = 82,810
R407	12 x 0.98 x 8,333.4 x 0.91* = 89,180
R507	12 x 0.93 x 8,333.4 x 0.91* = 84,630

REMARK : EXCLUDE HEAT REJECT 125% , * FACTOR FOR AMMONIA 91 %

AT FOULING FACTOR :

0.0005 ft.hr ^o F/BTU (DISTILLED WATER)	114 %
0.00075 ft.hr ^o F/BTU (FRESH WATER)	103 %
0.00085 ft.hr ^o F/BTU (COOLING TOWER)	100 %
0.001 ft.hr ^o F/BTU (CLEAN RIVER WATER)	94 %
0.0015 ft.hr ^o F/BTU (RIVER WATER)	82 %

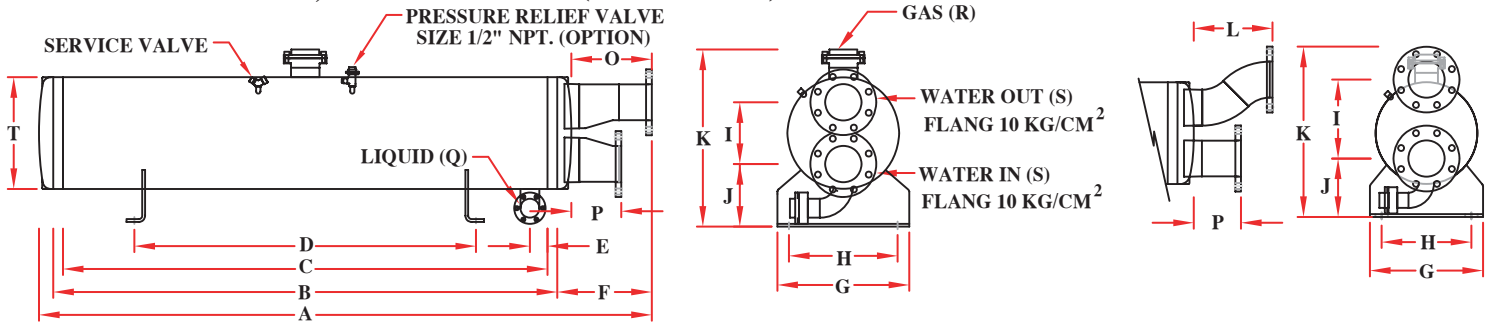
MVCC = NORMAL SEA WARE CONDENSER TYPE

FMVCC = MODIFIED TYPE

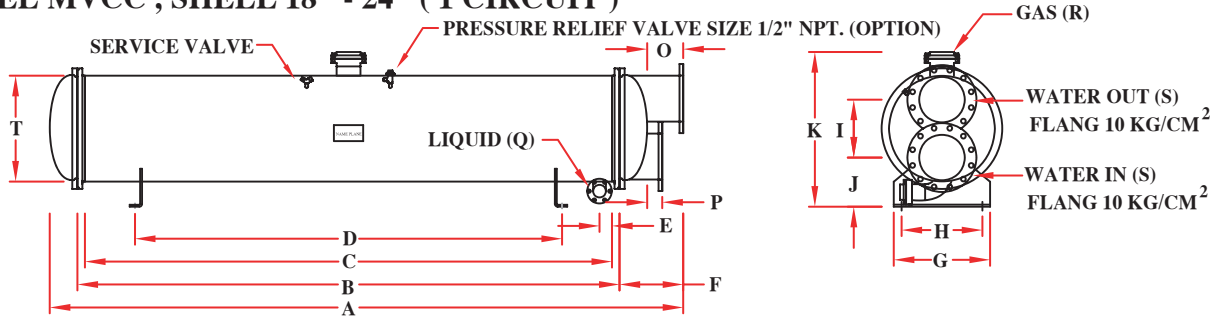


BRAND 3Q

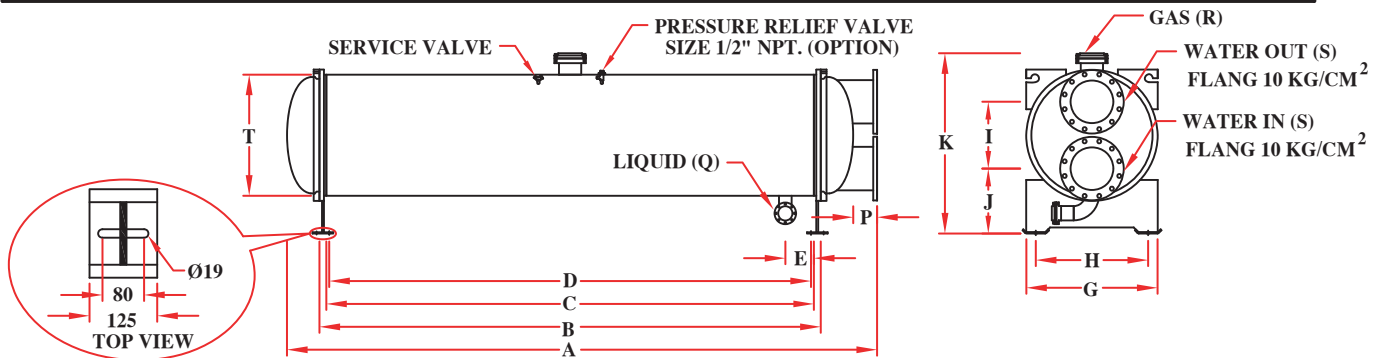
MODEL MVCC , SHELL 12" - 16" (1 CIRCUIT)



MODEL MVCC , SHELL 18" - 24" (1 CIRCUIT)



MODEL	DIMENSION (millimetre)															DIMENSION (inch)				NO OF PASSES	APPROX WEIGHT (kg)				
	A	B	C	D	E	F	G	H	I	J	K	L	O	P	Q	R	S	T							
MVCC 070-1-12S	2338	1980	1918	1463	56	303	360	286	251	186	542	251	-	150	1 1/2"	2 1/2"	4"	12 1/2"	2	242.2					
MVCC 090-1-12S	2548	2190	2128												289.1										
MVCC 105-1-12S	2838	2480	2418												335.9										
MVCC 090-1-14S	2326	1980	1918	1463	56	301	420	346	197	199	564	-	256	159	2"	3"	4"	14"	2	328.5					
MVCC 110-1-14S	2627	2380	2318														390.4								
MVCC 135-1-14S	3384	2980	2918												2032	359	282	213		620	341	-	200	5"	452.4
MVCC 120-1-16S	2414	1980	1908	1463	60	301	420	346	214	217	641	-	326	150	2 1/2"	4"	5"	16"	2	403.9					
MVCC 150-1-16S	2336	2590	2518														1778			359	321	230	691	360	-
MVCC 185-1-16S	2737	2980	2908												2463	60	328	460		386	255	221	690	-	200
MVCC 150-1-18S	3046	2590	2518	2040	60	328	460	386	255	221	690	-	200	100	2 1/2"	4"	6"	18"	2	606.6					
MVCC 255-1-18S	3436	2980	2908																	2440	697.5				
MVCC 170-1-20S	3026	2590	2518	2040	60	304	460	386	277	235	739	-	200	100	2 1/2"	4"	8"	20"	2	732.3					
MVCC 250-1-20S	3416	2980	2908																	2463	843.1				
MVCC 260-1-24S	2992	2590	2518	2040	60	251	460	386	343	253	842	-	200	100	2 1/2"	4"	8"	24"	2	1030.4					
MVCC 400-1-24S	3382	2980	2908																	2463	1182.7				



MODEL MVCC , SHELL 26" - 30" (1 CIRCUIT)

MODEL	DIMENSION (millimetre)															DIMENSION (inch)				NO OF PASSES	APPROX WEIGHT (kg)
	A	B	C	D	E	G	H	I	J	K	P	Q	R	S	T						
MVCC 320-1-26S	2912	2480	2408	2322	100	724	604	390	338	1028	100	3"	5"	8"	26"	2	1290.2				
MVCC 435-1-26S	3412	2980	2908	2822													1490.2				
MVCC 460-1-28S	2932	2480	2408	2322	100	775	655	420	349	1047	100	3"	5"	8"	28"	2	1502.3				
MVCC 550-1-28S	3432	2990	2908	2822													1716.1				
MVCC 580-1-30S	3206	2730	2658	2572	100	826	706	460	354	1098	100	3"	5"	8"	30"	2	1800.4				
MVCC 630-1-30S	3456	2980	2908	2822													1909.4				
MVCC 730-1-32S	3600	2980	2896	2816	100	875	755	480	400	1179	200	4"	6"	10"	32"	2	2184.0				
MVCC 835-1-34S	3626	2980	2896	2816													100	927	807	520	406
MVCC 935-1-36S	3646	2980	2896	2816	100	978	858	550	416	1281	200	4"	6"	10"	36"	2	2643.2				