

CLIMMA Sea Water Circuit - Product details and technical specifications

SEA WATER CIRCUIT COMPONENTS

- Sea water pump
- Calibration valve for the sea water circuit (when the chiller capacity is more than 60.000 Btu/h)
- Sea water strainer
- Sea water intake and sea water outlet
- If the system has a backup pump, then there must be a relay box to manage multiple pumps

SEA WATER PUMPS AND CALIBRATION VALVE / POMPE MARE E VALVOLE DI CALIBRAZIONE PER L'ACQUA MARE

To select the sea water pump, check the chiller power in Btu/h and look in the below table for the "Chiller capacity" to select the correct model. Then look for the part number to get the sea water pump code. To the Veco part number, add the last letter to select the power supply*.

To select the calibration valve, check the column "Calibration valve" corresponding to the selected sea water pump. Calibration valve is mandatory when the chiller capacity is more than 60.000 Btu/h, otherwise warranty can be voided.

Chiller Capacity / Capacità chiller	Pump model / Modello Pompa	Part nr. / Codice	Pump flow rate / Portata pompa		Pump head / Prevalenza		Power / Consumo	Weight / Peso	Ports / Attacchi		Calibration valve / Valvola calibrazione
			L/m	Mc/h	Mt	Ft	W	Kg - lb	delivery / mandata	intake / aspirazione	
Up to – fino a											
17.000 Btu/h	MD 120	M3353*	14	0,8	4	13	120	3,5 – 7,7	½ MTP	1' FTP	STAD15 – M3166B
30.000 Btu/h	TMB65	M73295*	25	1,5	5	15	135	5 – 10	1' M BSP	1' M BSP	STAD25-M3166A
72.000 Btu/h	B-C20/A	M67270*	60	3,6	11	33	370	9,5 – 20,9	1' F BSP	1' F BSP	STAD25-M3166A
120.000 Btu/h	B-C 22/1/A	M67610*	100	6,0	10	33	450	10,5 – 23,1	1' F BSP	1' F BSP	STAD32 – M3166C
300.000 Btu/h	B-C41/1E	M67275*	250	15,0	13	32	750	18 – 40	1-1/2' F BSP	1-1/2' F BSP	STAD40 – M3166D
500.000 Btu/h	B-NM 40/12F	M67280*	500	30,0	8	26	1100	33 – 72,7	PN16-40 **	PN16-65 **	STAF-R65-2 M3166F
800.000 Btu/h	B-NM 50/12F/A	M81140*	800	48,0	12	39	2200	63-138,9	PN16-50 **	PN16-65 **	STAF-R65-2 M3166F

* Available power supply

- U = 230/1/50
- W = 230/1/60
- V = 230/3/50
- X = 230/3/60
- Y = 400/3/50
- Z = 400/3/60

** PN16 - Flange EN1092-1

Example: Chiller of 144kBtu/h and 230/1/50 as power supply. Select "Chiller capacity up to" 300.000 (the minimum greater than your chiller power value) and then select the pump M67275*. Check power supply and add the correct letter; so if it's 230/1/50 Veco correct part nr. is M67275U.

SEA WATER STRAINER / FILTRO ACQUA MARE

Based on the intake size of the selected sea water pump.

Prod.Code	Description
M70665	Sea water strainer 1/2 BSP
M3334D	Sea water strainer 1" BSP
M3334E	Sea water strainer 1-1/2" BSP

SEA WATER INTAKE / PRESA MARE

Based on the intake size of the selected sea water pump.

Prod.Code	Description
M64215	Sea water intake 1/2"
M64216	Sea water intake 3/4"
M64210	Sea water intake 1"
M64217	Sea water intake 1" ¼

SEA WATER OUTLET / SCARICHI ACQUA MARE

Based on the delivery size of the selected sea water pump.

Prod.Code	Description
M64825	Sea Water Outlet 1/2"
M64830	Sea Water Outlet 1"

RELAY BOX FOR MULTIPLE PUMPS / SCATOLE RELAY PER POMPE MULTIPLE

When there is an additional pump for backup or the system has more than one pump, then it is necessary to add a relay box for multiple pumps.

Prod.Code	Description	Power in	Power out
M82820	Main supply for self priming pump A092819C	110-230/50-60Hz	12V – 2A – 24W
MREL2I	Pump relay box for 2 units	115V	
MREL2U	Pump relay box for 2 units	230V	
MREL6I	Pump relay box for 3-6 units	115V	
MREL6U	Pump relay box for 3-6 units	230V	