

CLIMMA Fresh Water Circuit - Product details and technical specifications

FRESH WATER CIRCUIT COMPONENTS

- Fresh water pump
- Automatic air bleeder
- Expansion tank
- Fancoil manifolds
- Gauge manifold
- Fancoil hoses
- Optional fancoil water valve

FRESH WATER PUMP

To select the fresh water pump for the system, select the pump based on the total fancoils' capacity (not the chiller capacity). The minimum flow is 10 lt/m (2,6 GPM) every TON (12.000 Btu/h) of installed fancoil capacity. To select the correct Veco part number, add to the Veco part number code given in the table the correct letter for the required power supply*.

To select the air bleeder and the expansion tank, use the following table and check for the correct models based on the selected water pump.

Veco Part nr.	Fancoil total Capacity (btu/h)	Pump Model	W	Nominal flow rate		Head		Air Bleeder	Expansion Tank	Delivery port	Intake port	Weight	
				L/m	GPM	Mt	Ft					Kg	Lb
M67285*	12.000	NM 1/AE	370	15	4	22	73	1' - M66660	5 lt	1' F BSP	1' F BSP	8,6	21,5
M67285*	24.000	NM 1/AE	370	25	6	21	69	1' - M66660	5 lt	1' F BSP	1' F BSP	8,6	21,5
M67290*	36.000	NM 2/S/A	550	30	8	29	96	1' - M66660	5 lt	1' F BSP	1' F BSP	14,2	35,5
M67290*	48.000	NM 2/S/A	550	40	10	27	89	1' - M66660	8lt	1' F BSP	1' F BSP	14,2	35,5
M67295*	60.000	NM 25/12A/A	750	50	13	23	76	1' - M66660	8lt	1' F BSP	1-1/2' F BSP	14,2	35,5
M67295*	72.000	NM 25/12A/A	750	60	15	23	76	1' - M66660	8lt	1' F BSP	1-1/2' F BSP	14,2	35,5
M67295*	84.000	NM 25/12A/A	750	70	18	23	76	1' - M66660	8lt	1' F BSP	1-1/2' F BSP	14,2	35,5
M67295*	96.000	NM 25/12A/A	750	80	20	22	73	1' - M66660	12 lt	1' F BSP	1-1/2' F BSP	14,2	35,5
M67300*	150.000	NM 10/AE	1100	125	31	23	76	1-1/4' - M66665	12 lt	1-1/4' F BSP	2' F BSP	20,2	50,5
M67300*	200.000	NM 10/AE	1100	160	40	22	73	1-1/4' - M66665	18 lt	1-1/4' F BSP	2' F BSP	20,2	50,5
M81850*	250.000	NM 11/BE	1500	200	50	22	73	1-1/4' - M66665	18 lt	1-1/4' F BSP	2' F BSP	24,7	61,8
M67305*	300.000	NM 40/16C/B	2200	250	63	23	76	1-1/2' - M66670	24 lt	PN16-40**	PN16-65**	39,0	97,5
M67305*	400.000	NM 40/16C/B	2200	315	79	22	73	1-1/2' - M66670	24 lt	PN16-40**	PN16-65**	39,0	97,5
M71795*	500.000	NM 50/16B/B	5500	500	125	31	102	2' - M66796	2x 24lt	PN16-50**	PN16-65**	64,0	160,0
M71795*	700.000	NM 50/16B/B	5500	630	158	29	96	2' - M66796	2x 24lt	PN16-50**	PN16-65**	64,0	160,0

*Available Power Supply

- U = 230/1/50
- W = 230/1/60

- I = 115/1/60
- V = 230/3/50
- Y = 400/3/50
- Z = 400/3/60

** PN16 - Flange EN1092-1

AUTOMATIC AIR BLEEDER / DISAREATORE AUTOMATICO

Select the air bleeder model based on the selected fresh water pump (see pump table).

Code	Description
M66795	Automatic air bleeder ¾"
M66660	Automatic air bleeder 1 "
M66665	Automatic air bleeder 1 "1/4
M66670	Automatic air bleeder 1 "1/2
M66796	Automatic air bleeder 2"

EXPANSION TANK / VASI D'ESPANSIONE

Select the expansion tank model based on the selected fresh water pump (see pump table).

Code	Description
M3603A	Expansion tank 5 liters
M3603B	Expansion tank 8 liters
M3603C	Expansion tank 12 liters
M3603D	Expansion tank 18 liters
M3603E	Expansion tank 24 liters

FANCOIL MANIFOLDS / COLLETTORI FANCOIL

Select the fancoil manifold based on the number of fancoils in your circuit.

Code	Description
M62815	Fan Coil Manifold 1"x2
M62820	Fan Coil Manifold 1"x3
M62825	Fan Coil Manifold 1"x4
M62830	Fan Coil Manifold 1"x5
M62835	Fan Coil Manifold 1"x6
M62775	Fan Coil Manifold 1"x7
M62780	Fan Coil Manifold 1"x8
M62840	Fan Coil Manifold 1"x9
M62845	Fan Coil Manifold 1"x10

PRESSURE GAUGE MANIFOLD / KIT MANOMETRO

The pressure gauge kit can be installed in the circuit to measure the fresh water circuit pressure and it includes the water valve to charge the circuit.

Code	Description
M65260	Gauge manifold for CWS

FANCOIL FLEXIBLE INSULATED HOSE / TUBO ISOLATO PER FANCOIL

Insulated flexible hose for the fresh water circuit. (all our fancoils have a 16mm nipple so the last hose to the fancoil must be a 16mm)

Code	Description	Insulation	Diameter	Outer diam.
M67575B	Flexible reinforced hose 16 mm	9mm	16mm	40mm
M67575C	Flexible reinforced hose 25 mm	9mm	25mm	50mm

FANCOIL WATER VALVES / VALVOLE ACQUA FANCOIL

Water valves can be added to each single fancoil in order to stop the fresh water from circulating in the fancoil. It is mandatory when the fancoil is EH (electrical heating) so that the chiller can be working in cool mode and the fancoil can heat closing the valve and using the electrical heater.

Code	Description	Power Supply
M76660	Water valve Johnson for Fan Coil FC – 4 ways	230/1/50-60 Hz
M76660J	Water valve Johnson for Fan Coil EV– 4 ways	230/1/50-60 Hz