

CONSTANT TEMPERATURE CIRCULATORS



CONSTANT TEMPERATURE COLD WATER CIRCULATORS

SUITABLE FOR:

- LASERS
- X-RAY DIFFUSERS
- NMR MAGNETS
- ELECTRONIC MICROSCOPES
- EQUIPMENT REQUIRING WATER COOLING



N. MERZEL co.

SPECIAL REFRIGERATION EQUIPMENT

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SINCE 1968

MODEL M-2000-2
WITH LARGE STAINLESS STEEL RESERVOIR

CONSTANT TEMPERATURE WATER CIRCULATORS

We have over 40 years of extensive experience in building Cold Water Circulators for the Laser and Optical industry, and for University laboratories requiring cooling for such equipment as Mass-spectrometers, Microscopes, Lasers and X-ray diffusers. The best and simplest features of American and European Circulators are built into our equipment, **PLUS** we have incorporated additional protective devices, such as:

1. Time delay for the compressor, to prevent rapid cycling of the motor.
2. Thermal-magnetic motor protection of the compressor.
3. Coil - less water reservoir with a stainless steel heat exchanger on models M100 and up, to ensure clean water circulation.
4. Water flow pressurestat and time delay relay for pump protection in case of low water level (larger models).
5. Large outside cabinet to accommodate an oversized condenser for our tropical climate, and to make maintenance easier and faster.



MODELS M-100, M-150

Our Circulators are built to the highest standards, and contain the very best compressors and accessories available. The outside case has a baked epoxy paint finish. All models are built for continuous operation, with a temperature stability of plus/minus 1°C. All models are equipped with an automatic water pressure regulator and pressure gauge for pump protection and control.

The smaller models, M25, M38, M50, contain an insulated PVC reservoir, and are available with either a seal-less magnetic drive polypropylene pump with a capacity of 10 l/m at .6 Atm., or with a regular high pressure close-coupled pump with a brass peripheral impeller and stainless shaft, with a capacity of 12 L/M at 3.5 Atm. Larger models are available with pumps with capacities of up to 42 L/M at 5 Atm.

The following are some of the specifications and capacity ratings, rated at 20°C water temperature and 28°C ambients. Please note that our capacity ratings are for **50 Cycles** and do not have to be derated, as the 60 Cycles import.

Model No.	M25	M38	M50	M75	M100	M150	M250	M300	M400
BTU/hr.	1920	2970	4400	6000	9000	13400	24400	29200	38800
Kcal/hr.	480	750	1100	1500	2500	3350	6150	7300	9700
Voltage.	220	220	220	220	220	220	380	380	380
Comp. H.P.	1/4	3/8	1/2	3/4	1.0	1.5	2.5	3	4
Price.	—	—	—	—	—	—	—	—	—

Model No.	M500	M600	M650	M750	M850	M1000	M13,000	M2000-2
BTU/hr.	49000	54720	62000	72200	80400	94000	133,000	192,000
Kcal/hr.	12250	13680	15520	18000	20100	23200	32000	45000
Voltage.	380	380	380	380	380	380	380	380
Comp. H.P.	5	6	6.5	7.5	8.5	10	13	2X10
Price.	—	—	—	—	—	—	—	—

Prices do not include VAT, and are FOB Jerusalem Israel.



MODEL M-50