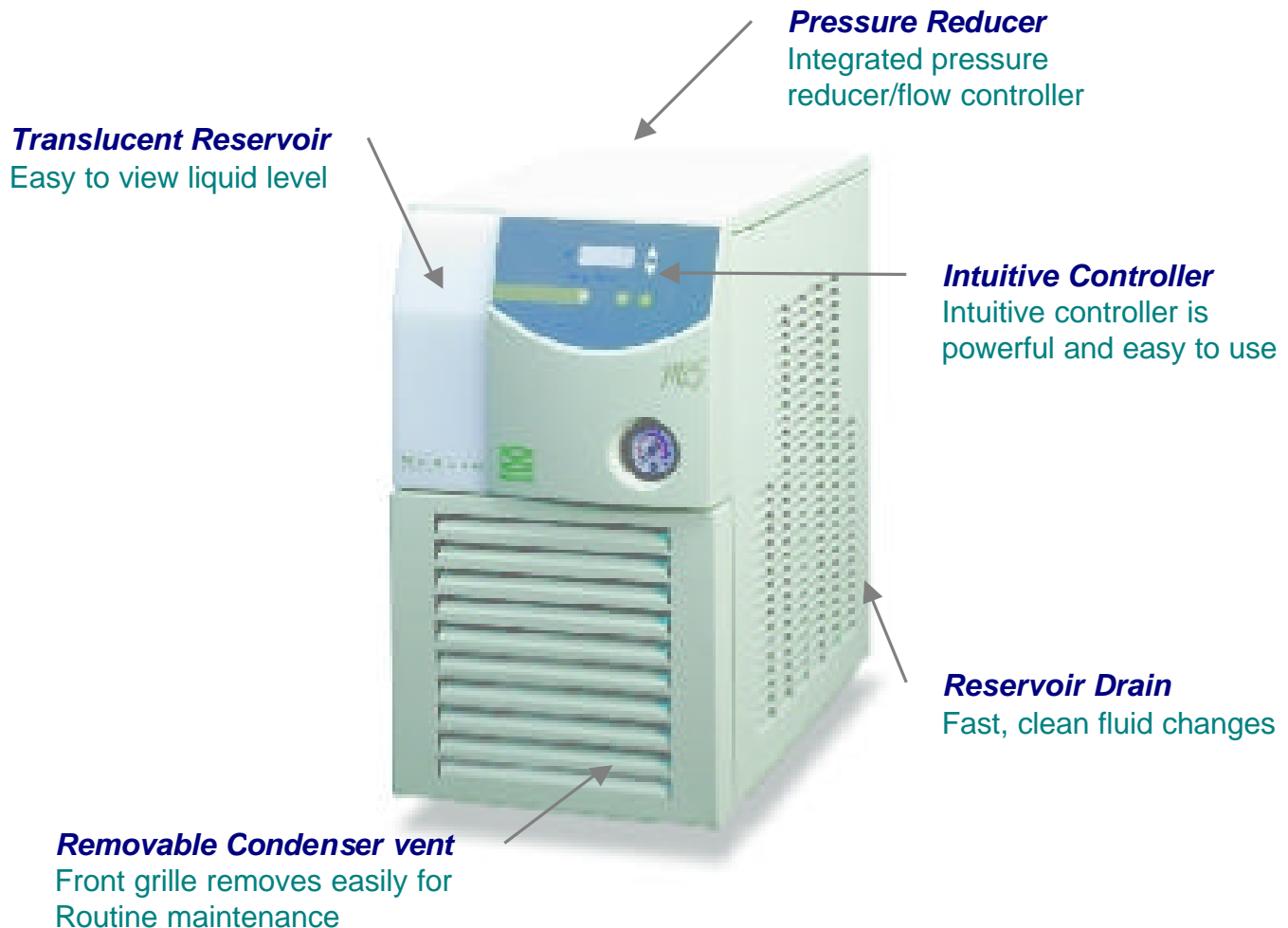


# The New Neslab Merlin Chiller

Offered by Signatone



## **Merlin Series**

The Merlin Series of chillers are a compact portable line of refrigerated recirculators ranging in cooling capacity from 810 watts to 5045 watts. This new Series will replace the CFT Series of chillers. The Merlin chillers are the result of a 1 1/2 year research and design effort by a dedicated cross functional team. This revolutionary new chiller utilizes Thermo NESLAB's 37 years of chiller design experience to offer:

- More cooling capacity, up to 30%
- Smaller footprint and overall size
- More standard features
- More options
- Improved pump coupling design for better reliability
- Warranty doubled to 2 years

<b>Merlin Series Specifications</b>			
Model	M-25	M-33	M-75
<b>Temperature Range</b>	5°C to 35°C	5°C to 35°C	5°C to 35°C
<b>Temperature Stability</b>	±0.1°C	±0.1°C	±0.15°C
<b>Cooling Capacity</b> 50 Hz	810 W @ 20°C 2765 BTU/hr @ 20°C 697 Kcal/hr @20°C 725 W @ 20°C 2474 BTU/hr @ 20°C 624 Kcal/hr @20°C	1250 W @ 20°C 4266 BTU/hr @ 20°C 1075 Kcal/hr @20°C 1125 W @ 20°C 3840 BTU/hr @ 20°C 968 Kcal/hr @20°C	2410 W @ 20°C 8225 BTU/hr @ 20°C 2073 Kcal/hr @20°C 2180 W @ 20°C 7440 BTU/hr @ 20°C 1875 Kcal/hr @20°C
<b>Pump</b>	MD-30/PD-1	MD-30/PD-1/PD-2	PD-1/PD-2
<b>Reservoir Volume</b> gallons/liters	0.5/1.8	0.5/1.8	0.5/1.8
<b>Dimensions</b> (HxWxD) cm	23 7/8 x 12 5/8 x 20 1/8 60.6 x 32.1 x 51.1	23 7/8 x 12 5/8 x 20 1/8 60.6 x 32.1 x 51.1	25 5/8 x 16 1/4 x 23 1/3 67.6 x 41.3 x 59.3
<b>Power Requirements</b> 50 Hz	115V/ 60Hz-100V/50Hz, 11Amps 230V/50Hz, 6 Amps	115V/ 60Hz-100V/50Hz, 15Amps 230V/ 50Hz, 8 Amps	200-230V/60Hz- 200V/50Hz, 12Amps 230V/ 50Hz, 10 Amps
<b>Shipping Weight</b>	150 Lbs/68 Kgs	150 Lbs/68 Kgs	200 Lbs/91 Kgs

## Merlin Options

### Low Level/Low Flow package

- Standard on Temperature Merlins
- Extra protection during unmonitored operation
- Low Reservoir Fluid Level Safety
  - User Selects if chiller shuts down or continues to run.
- Low Fluid Flow Safety
  - User Selects if chiller shuts down or continues to run.

### Extended Low Recirculating Fluid Temperature Range

- -15° C to +35° C

### Extended High Recirculating Fluid Temperature Range

- +5° C to +90° C

### Communication Package

- RS-232 or RS-485 (specify at time of order)
- Remote Start/Stop (Allows control by instrument "to be cooled) 12-24 volt AC or DC
- Status Relay (Dry contact to monitor fault status)