

Evaporative Cooling Tower Systems

Aqua-EvapTM

Outdoor Mechanical Room

- **Save Plant Floor Space**
- **Reduce Noise and Heat**
- **Installs Easily**

Valuable production floor space should be reserved for production equipment. A cooling tower system is a vital utility that can be safely and efficiently located outside your building. An "Outdoor Mechanical Room" secures your cooling system in an attractive weather-proof enclosure. Engineered packages install easily and can be re-located in the future without difficulty.



Aqua-EvapTM OMR Series are designed to match the footprint of the cooling tower for a compact and attractive housing for mechanical cooling equipment.



What's Inside:

- Heat, light and insulation.
- Ample space for pumps, tanks, and heat exchangers
- Electrical control panel - wired and tested
- Filtration equipment
- All necessary valves and instrumentation
- Custom package shown above
- See reverse for standard features and models.

Packaged systems save money.

Equipment description:

Enclosure includes engineered structure to support the tower, steel siding available in 8 colors, 1" wall insulation, two (2) 120V cage lights with switch, steel door with lock and keyset, and electric heater to prevent freezing.

Pump station includes one (1) process pump, diverting valve, stainless steel tank, makeup water valve, overflow, bleed line, piping with valves, gauges, and control panel.

Fully assembled, tested, wired, painted, sided, inspected, and ready for shipment.

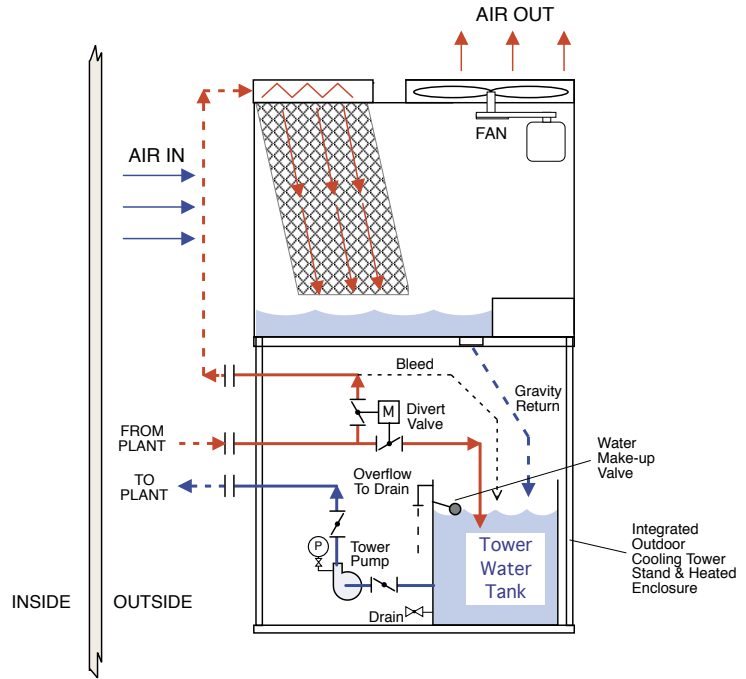
Options:

Duplex pump includes full capacity standby pump with automatic switchover on loss of pressure. Pre-piped, wired, tested.

CyClean filtration includes factory mounted cyclone separator and bag filter for continuous full stream filtration of the cooling tower water.

Fully customized designs including heat exchangers, closed loop process systems, remote panel control and alarm indication.

Typical Process Diagram



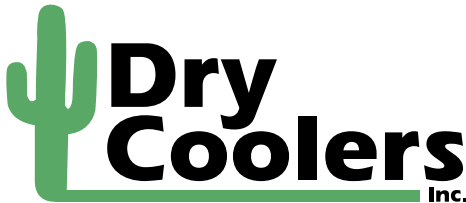
1. Pump runs continuously providing cool water to the heat source.
2. Thermostatically controlled tower bypass valve and cooling fan maintain temperature.
3. When valve is in bypass mode, all water drains from tower back inside enclosure to prevent freezing.
4. Inside of enclosure is lighted and heated.



CAPACITIES and DIMENSIONS

Note: Nominal Ton = 15,000 BTU/hr. Based on 78°F wet bulb ambient air and 95°F entering, 85°F leaving, 3 gpm/ton. Dimensions are subject to change. Consult factory for certified drawings. Consult factory for larger sizes.

MODEL NO.	NOM TONS	FLOW RANGE (GPM)	SYSTEM WEIGHT w/ TOWER (LBS)	WIDTH	LENGTH	HEIGHT w/ TOWER	TANK VOLUME (GAL)	PUMP HP	PIPE SIZE
OMR-219	146-219	400-600	22,800	12'-0"	8'-9"	19'-10"	1,300	25	6"
OMR-282	200-282	601-800	27,000	12'-0"	8'-9"	23'-8"	1,500	30	6"
OMR-425	296-425	801-1200	33,800	12'-0"	12'-8"	23'-8"	1,800	50	6"



3232 Adventure Lane
Oxford, MI 48371

1-800-525-8173
Michigan (248) 969-3400
Fax (248) 969-3401
www.drycoolers.com



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