

AVR
SERIES

AIR COOLED HEAT EXCHANGER

AquaVent AVR Series Air Cooled Heat Exchangers are ideal for efficient, cost effective heat exchange with ambient air, capable of cooling your process to within 5 - 10° F (3 - 5° C) above ambient. These systems are simple, highly efficient, reliable machines.

When combined with the **CLEANLOOP** closed-loop pump station, the AquaVent air cooler becomes a corrosion resistant, maintenance free method of cooling. There is no need for water makeup, water treatment, water blowdown, unsightly open tanks, clogged strainers or equipment that has to be flushed and cleaned. Other than filling the AVR + **CLEANLOOP** system with the appropriate concentration of inhibited ethylene or glycol for freeze protection, your system arrives ready for a lifetime of work.



The AquaVent AVR Series air coolers come in one- to six-fan configurations and can be arranged side-by-side or, if there is a space limitation, stacked on top of each other.

QUALITY CONSTRUCTION

Fins: Efficient corrugated aluminum

Tubes: Seamless ½" OD copper mechanically expanded into the aluminum fins

Headers: Heavy wall copper with NPTM or copper sweat connections

Fans: Individually balanced aluminum fans

Motors: ½ HP or 1½ HP open drip-proof motors suitable for outdoor service

Plenum: Galvanized exterior with interior plenums to prevent recirculation between fans

Testing: Coils are leak tested at 380psi

OPTIONS & UPGRADES

- Fan cycling control
- Motor fusing
- Copper fins
- Coated fins for seaside installations
- TEAO fan motors
- Stands for stacking air coolers
- Factory mounted UL508a control panel

OUR HIGHLY EFFICIENT SYSTEMS GUARANTEE
LONG LIFE AND MINIMAL DOWNTIME AND MAINTENANCE

DIMENSIONS & CAPACITIES

Model	Based on cooling 40% Ethylene Glycol from 145°F to 120°F at 100°F ambient		Based on cooling 40% Ethylene Glycol from 120°F to 110°F at 95°F ambient		Fans (Count @ HP)	Fan Diameter (Inches)	Total Full Load Amps at 460V / 3 phase (Amps)	Dimensions in Inches (W x L x H)	Shipping Weight (lbs)
	Flow (GPM)	Cooling Capacity (kW)	Flow (GPM)	Cooling Capacity (kW)					
AVR-005	6	20	10	13	1 @ ½ HP	24	2.0	48 x 36 x 45	220
AVR-008	10	33	16	21	1 @ ½ HP	24	2.0	48 x 36 x 45	295
AVR-011	16	55	24	32	2 @ ½ HP	24	4.0	48 x 72 x 45	340
AVR-013	18	62	27	36	2 @ ½ HP	24	4.0	48 x 72 x 45	355
AVR-017	23	78	36	50	2 @ ½ HP	24	4.0	48 x 72 x 45	355
AVR-025	34	116	53	72	2 @ 1 ½ HP	30	6.4	48 x 108 x 45	495
AVR-031	40	136	62	83	2 @ 1 ½ HP	30	6.4	48 x 108 x 45	550
AVR-042	58	200	83	113	3 @ 1 ½ HP	30	9.6	48 x 160 x 45	800
AVR-048	62	210	90	119	3 @ 1 ½ HP	30	9.6	48 x 160 x 45	900
AVR-058	68	235	116	159	4 @ 1 ½ HP	30	12.8	48 x 200 x 45	1050
AVR-062	75	260	122	164	4 @ 1 ½ HP	30	12.8	48 x 200 x 45	1100
AVR-079	93	320	155	212	5 @ 1 ½ HP	30	16.0	48 x 250 x 45	2100
AVR-096	120	405	185	260	6 @ 1 ½ HP	30	19.2	48 x 296 x 45	2500



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