AVV SERIES

EVAP-ASSIST™ HYBRID COOLER

AquaVent® AVV Series EvapAssist™ Hybrid Coolers are highly efficient air-cooled heat exchangers that use a small amount of water on hot days to significantly reduce the process fluid temperature. The EvapAssist is a good choice for customers that need to maintain 90-95°F (32-35°C) maximum fluid temperature.

These adiabatic coolers include evaporative media mounted to the air inlet sides. A small amount of water is introduced to saturate the evaporative media. As the water evaporates, the air is cooled. The pre-cooled air will cool the fluid circulating through the tubes allowing the system to produce coolant temperatures that are near or below ambient.

ADVANTAGES

SUPERIOR COOLING EFFICIENCY

Adiabatic cooling on hot days enhances the cooling efficiency by reducing the temperature of the intake air, resulting in lower coolant temperatures..

ENERGY SAVINGS

Variable speed fans automatically reduce speed as ambient temperature drops, reducing energy consumption while maintaining optimal cooling performance.

MINIMAL WATER CONSUMPTION

Substantially lower water usage compared to evaporative cooling towers, resulting in lower operational expenses.

SELF-DRAINING SUMP TANK

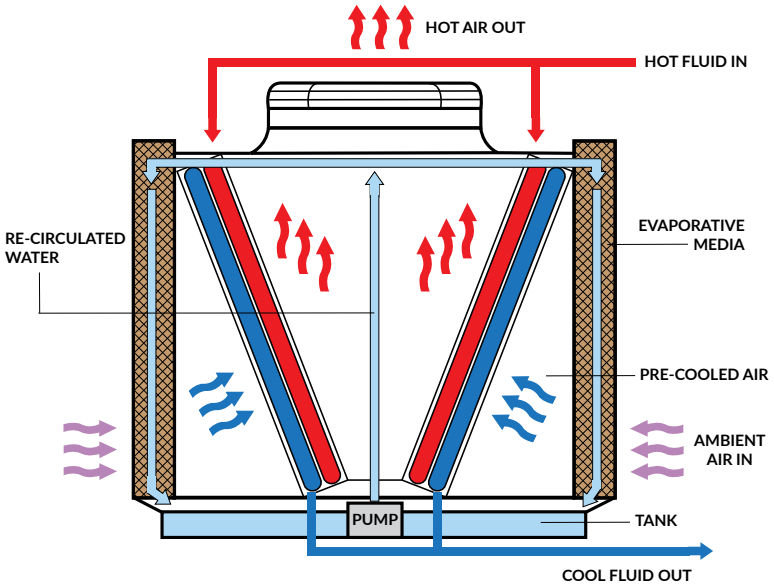
Water is retained and recirculated over the evaporative media and drained when not in use. No need for water treatment.

Shown with evaporative media removed

QUALITY CONSTRUCTION

- **Coated Fin Coil:** Copper tube heat exchanger with corrosion resistant polymer coated aluminum fins.
- **Low Noise Fans:** Cast aluminum sickle blades for low noise.
- **Accurate Temperature Control:** Electronically commutated fan motors are inherently variable speed and offer excellent low ambient control.
- **Housing:** Heavy gauge galvanneal steel with powder-coat and UV stabilizer suitable for outdoor service.
- **Replaceable Media:** Pre-cooling media are used to evaporate water as air passes through media. The media ensures the maximum amount of evaporation and air pre-cooling.
- **Stainless Steel Tank & Spray Pump:** Recirculates water over the evaporative media to maximize evaporation and pre-cool the air.

HOW IT WORKS



OPTIONS

Pump stations and filtration also available.

CLEAN**LOOP HY** Series Hydronic Pump Station

ExoShed Outdoor Mechanical Room

CLEAN**LOOP NF** Series Non-Ferrous Pump Station

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

DIMENSIONS & CAPACITIES

Model (60Hz)	Fans Count	Typical Flow (gpm)	Typical Cooling [1] (MBH)	Full Load Amps 460V / 3PH	Dimensions in Inches (L x W x H)	Shipping Weight (lbs)
AVV-1x2-6R-910-EC	2	50-100	250-500	9.5	131 x 78 x 71	1609
AVV-1x3-6R-910-EC	3	100-200	500-1000	14	178 x 78 x 71	2299
AVV-1x4-6R-910-EC	4	200-300	1000-1500	20.8	225 x 78 x 71	2992
AVV-2x2-5R-910-EC	4	150-250	750-1250	20.8	140 x 101 x 95	3646
AVV-2x3-5R-910-EC	6	250-350	1250-1750	31.2	187 x 101 x 95	5009
AVV-2x4-5R-910-EC	8	350-450	1750-2250	41.6	235 x 101 x 95	6373
AVV-2x5-5R-910-EC	10	450-550	2250-2750	52	282 x 101 x 95	7738
AVV-2x6-5R-910-EC	12	550-650	2750-3250	62.4	329 x 101 x 95	9103
AVV-2x7-5R-910-EC	14	650-750	3250-3750	72.8	376 x 101 x 95	10470
AVV-2x8-5R-910-EC	16	750-850	3750-4250	83.2	424 x 101 x 95	11442

[1] based on 10F approach

Note: Please consult our sales staff for a quick computerized selection and quotation. Specifications are subject to change without notice.

Dry Coolers Inc.

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