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

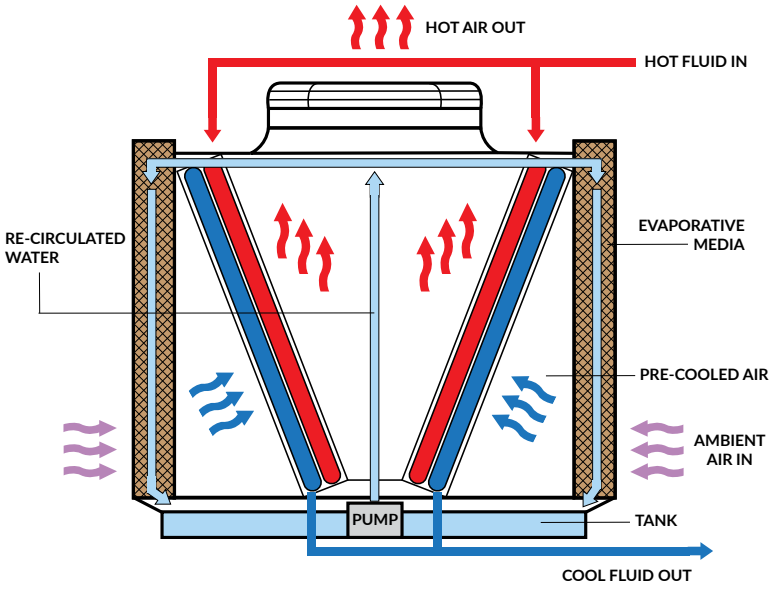
Water is retained and recirculated over the evaporative media and drained when not in use. No need for water treatment.

*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) | Typical Flow (gpm) | Typical Cooling (MBH) | Fans Count | Full Load Amps 460V / 3PH | Dimensions in Inches (L x W x H) | Shipping Weight (lbs) |
|---|---|---|---|---|---|---|
| AVV-1x2-6R-910-EC | 50-100 | 250-500 | 2 | 9.5 | 120 x 56 x 70 | 980 |
| AVV-1x3-6R-910-EC | 100-150 | 500-750 | 3 | 14 | 168 x 56 x 70 | 1250 |
| AVV-1x4-6R-910-EC | 150-200 | 750-1000 | 4 | 18.5 | 215 x 56 x 70 | 1650 |
| AVV-2x2-5R-910-EC | 150-250 | 750-1250 | 4 | 18.5 | 130 x 101 x 95 | 2500 |
| AVV-2x3-5R-910-EC | 250-300 | 1000-1500 | 6 | 27.5 | 180 x 101 x 95 | 3250 |
| AVV-2x4-5R-910-EC | 300-400 | 1500-2000 | 8 | 36.5 | 228 x 101 x 95 | 4000 |
| AVV-2x5-5R-910-EC | 400-500 | 2000-2500 | 10 | 45.5 | 274 x 101 x 95 | 4750 |
| AVV-2x6-5R-910-EC | 500-600 | 2500-3000 | 12 | 54.5 | 322 x 101 x 95 | 5500 |
| AVV-2x7-5R-910-EC | 600-700 | 3000-3500 | 14 | 63.5 | 370 x 101 x 95 | 6250 |

*Note: Please consult our sales staff for a quick computerized selection and quotation. Specifications are subject to change without notice.*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**ISO 9001:2015**