



Submittal Data Information

eVap 1000/1100

CANNONDESIGN
productsgroup

<http://evap.cannondesign.com>

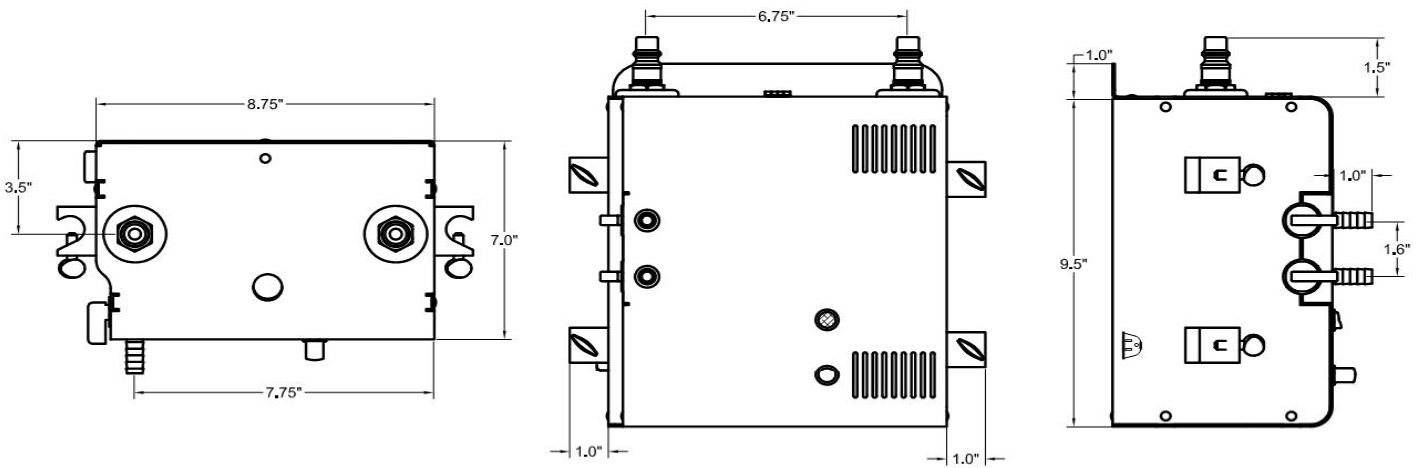
Effective: 5/7/2013

JOB NAME: _____
ENGINEER: _____
CONTRACTOR: _____

DATE: _____
SUBMITTED BY: _____
APPROVED BY: _____

ITEM	MODEL	GPM	PRESSURE	WATTS	ELECT.	NOTES

DIMENSIONS:



UNIT CHARACTERISTICS:

MAKE	MODEL	eVap FLOW GENERATED	eVap EXTERNAL PRESSURE GENERATED	eVap MAX POWER REQUIRED	eVap ELECT.	eVap HEAT EXCHANGER COOLING CAPACITY (AT 20 DEG F dT)	eVap SHIPPING WEIGHT	eVap SPEED	CONNECTION SIZES (eVap LOOP, SOURCE LOOP)	SOURCE CHILLED OR PROCESS WATER	SOURCE WATER FLOW RATE (AT 20 DEG F dT)	SOURCE WATER HEAT EXCHANGER PRESSURE DROP (ALLOW / CALC)
eVap	1000	0.5 GPM	0.5 PSI	12 WATTS	110 V 1 PH	5,000 BTUh	13 LBS	VARIABLE	3/8", 1/2"	WATER OR GLYCOL	1.0 GPM	5.0/1.26 PSI
eVap	1100	2.0 GPM	2.0 PSI	26 WATTS	110 V 1 PH	30,000 BTUh	14 LBS	VARIABLE	3/8", 1/2"	WATER OR GLYCOL	3.5 GPM	10/4.3 PSI

eVap COOLING UNIT:

Description

The eVap cooling system uses a highly efficient circulation pump and stainless steel heat exchanger to create a closed cooling loop to provide cool water to equipment while protecting the equipment from high pressures, poor quality and unlimited flooding potential of the main building's chilled water or process water loop.

Materials of Construction

- Enclosure: Steel with White Powder Coat Paint
- Power Switch: ON/OFF with Internal Green Light
- Fill Port: Stainless Steel
- Internal Piping: Copper with Lead Free Solder

ADDITIONAL SPECIFICATIONS

BRAZED PLATE HEAT EXCHANGER:

Description

The brazed plate heat exchangers offer the highest level of thermal efficiency and durability in a compact, low cost unit. The corrugated plate design provides very high heat transfer coefficients, resulting in a more compact design. The unit's stainless steel plates are vacuum brazed together to form a durable, integral piece that can withstand high pressure and temperature.

e3 ECOCIRC PUMP:

Description

e3 circulators are energy efficient circulators using permanent magnet, ECM (electronically commutated motor) technology. The e3 circulators are designed specifically for clean water applications. These circulators are lead free.

Motor

Designed with a shaftless spherical motor with permanent magnet technology for improved efficiency.
All e3 circulators are made from lead free construction

Operating Data

Motor

ECM Spherical Motor
100-140V 60HZ
5-28 Watts Power Consumption
Automatic Overload Protection
Low in-rush current
Variable-speed switch to manually adjust motor speed.

AIR SEPARATOR:

Description

An internal air separator automatically eliminates air in the piping system during both filling of the system and normal operation.

PUSH TO CONNECT FITTINGS:

Description

High pressure quick connection fittings are provided for connecting the eVap units to the building source water system. The quick connections allow for rapid installation and portability of unit while maintaining a leak free connection to high pressure system. Designed to be used with 1/2" female fitting, McMaster Carr Model Number 6534K23.

Materials of Construction

COVER PLATES: Stainless Steel ASTM 316L
CHANNEL PLATES: Stainless Steel ASTM 316L
BRAZING MATERIAL: Copper

Materials of Construction

Pump Body: Lead Free* Brass
O-Ring: EPDM
Bearing: Carbon/Alumina Ceramic
Impeller: Nylon/PPO
Motor: High Efficiency ECM
All Other Wetted Parts: Type 316 Stainless Steel
Shaft-less, seal-less construction

Pump

Maximum Working Pressure: 150 psi (10.3 Bar)
Maximum Working Temperature: 203°F (95°C)
Minimum Working temperature: 50°F (10°C)

Materials of Construction

Stainless Steel

Materials of Construction

Brass