



SUBMITTAL : ECO-119GLASME 119 Gallon Storage Tank



Job Name	Location
Purchaser	Engineer
Submitted to	Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction <input type="checkbox"/>
Unit Designation	Schedule #

Specifications	GS5-45HPC & -D
Performance	
Capacity per Heat Pump	4.5kw or 15,400 Btu/h
Recovery per HP @ 90°F Rise	20.6 Gallons per Hour
Storage Tank	ECO-119GLASME
Tank Volume Actual/Nominal	119 Gallons
Pressure Relief Valve (Psig & °F)	125 Psig
Temperature Sensor	Thermistor
Installed Tank Weight (lbs)	385lbs
Shipping Tank Weight (lbs)	435lbs
Anodes	2 x 1" Magnesium
Installation Location	Indoor
Tank Connection Sizes	
Cold Water Inlet	2" Female NPT
Hot Water Outlet	2" Male NPT
Cold Water to Heat Pump	3/4" Female NPT
Hot Water Return from HP	3/4" Female NPT
Cleanout Hand Hole	2" Male Plug
Pipe Size - Tank to Heat Pump	
Cold Water pipe - Tank to HP	As designed
Hot Water pipe - HP to Tank	As designed
Max Pipe Length inc	66ft
Max Vertical Separation of	23ft
Approvals	
Tank	ASME
Warranty	
Tank	5 Years

Construction

The tank shall be manufactured from mild steel with a baked on Cobalt enriched porcelain glass lining
Tank outer jacket shall be steel with a baked on powder coating for protection

The ECO-119GLASME Tank is only certified for Indoor installation, it cannot be located external to the building

Insulation

A minimum of 1 7/8" insulation shall be sprayed on to the tank to reduce heat loss

Insulation shall not contribute to global warming

Connections

Connections to the Hot and Cold building supplies shall be 2" NPT Female type

Connections to the Hot and Cold piping to the Heat Pump shall be 3/4" NPT Female type

Cold Water Piping from Storage Tank to Heat Pump and return of Hot Water piping from Heat Pump to Tank shall be 1/2" Copper or PEX.

Reducing nipples shall be field supplied and installed

Controls

The tank shall be supplied with one 91101-45190 Temperature sensors installed in midpoint sensor well to control an individual GS5-45HPC or -D Heat Pump
If more than two Heat Pumps shall be connected to the tank each additional Heat Pump shall requires it's own 91101-45190 Temperature Sensor or the ECO-CMB-BAC Controller shall be used to control the SANCO2 system which shall have a separate Tank Temperature sensor and other sensors to install

Pressure and Temperature Relief

Tank shall be supplied with a factory installed ASME certified Pressure and Temperature Relief valve
Settings shall be at 150 Psig for Pressure and 210°F for Temperature

Mixing Valve

A field supplied and field installed Mixing or Anti Scald valve is required to be used with the ECO-119LASME Tank
Mixing Valve size and Flow Rate is to be determined using maximum Flow

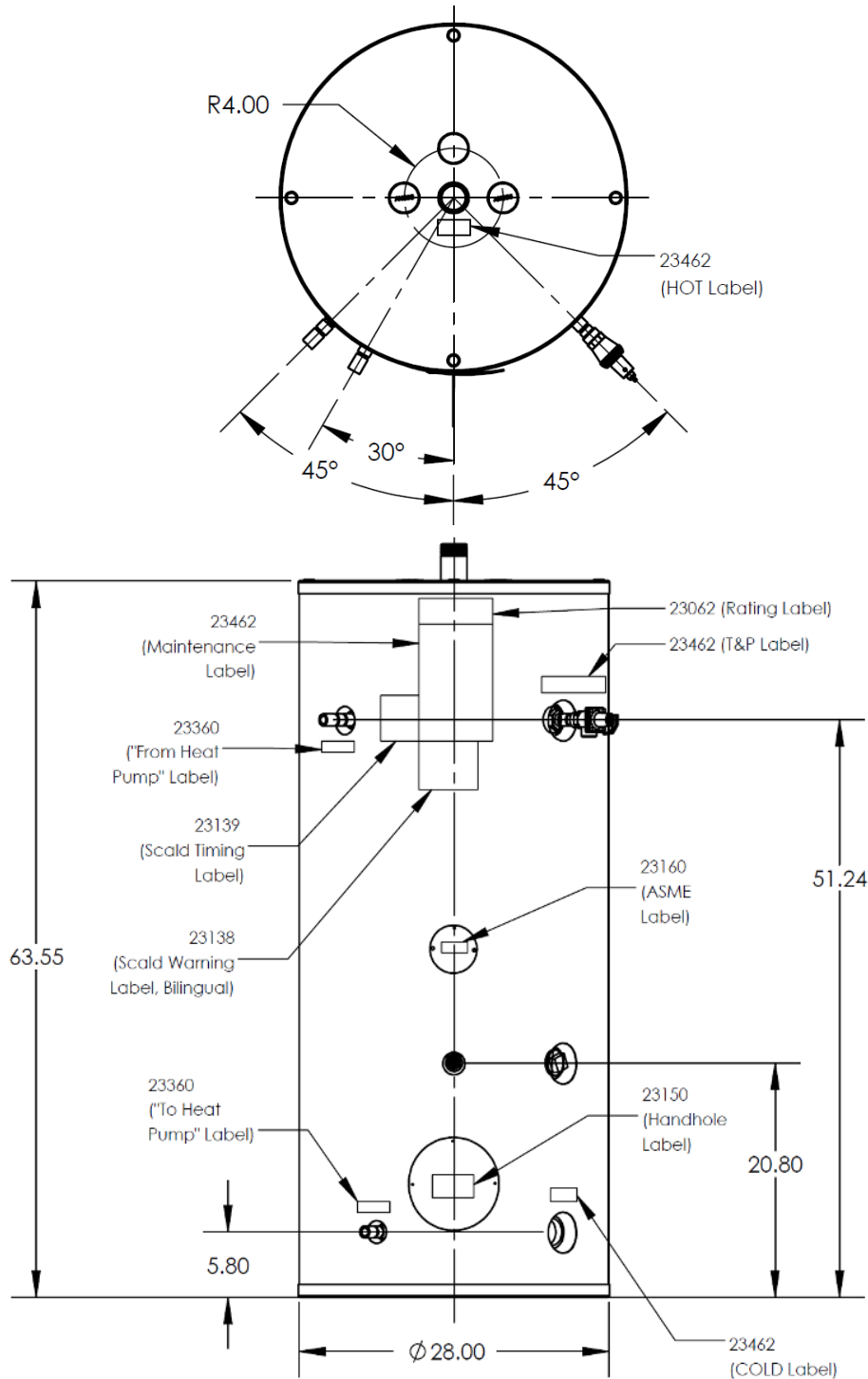


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ECO-119GLASME Dimensions



Eco2 Systems LLC

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Due to Eco2 Systems LLC's policy of on-going product development specifications are subject to change without notice

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SUB-ECO2-ECO119-072025