Mytee ETM-LX-PLUS Escape Pre Heat Exchanger Only Stainless Steel Low Pressure 20220514 140Psi



Model Number: 20220514

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Manufacturer: Clean Storm

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Helps that the heat from the vacuum motors 185 degree exhaust and transfers to pre-heat the garden hose for the water box up to 140 degrees F.
100% more water molecule vibration than standard garden hose water temperature.

- Constructed of high quality corrosion resistant steel
- Rolled formed to shape and then precision weld
- Specialty designed built in flow restrictor to assure maximum heat exchange
- Designed to minimize pressure loss in the heating system
- Leak tested to assure that they are totally functionable
- Compact in size and require minimum installation space
- Significant energy savings

Max BTU Output:

95,000

Max Hot Water Flow:

7 GPM

Max Air Flow:

225 CFM

Heat Transfer Area:

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2 Sq. Ft

Empty Weight (lbs):

6 lbs

Water Connection:

3/4"

Air Connection:

1-1/2"

Height (Inches):

16"

Width:

5-1/8"

Max. Working Pressure:

140 psi

Max. Working Temp (F):

230°F

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Notes: This is not everything you need to pre-heat the water for a the Mytee Escape truckmount.
Water and air flow should be in apposing directions for best results.
Do not allow to freeze.
Heat exchanger will not work until the wand is on the floor. I takes 5 minutes for the vacuum motors air exhaust to heat up after the wand removes over 50% of the air flow from the partial occlusion.
Heat exchanger is stored on the side of the truckmount so the hot air can blow out the door of the van or trailer. Water flow is the opposite direction. Comes in the front and the hot water comes out the rear. You will have to have a hot water rated garden hose transfer the water from the side rear of the heater exchanger and carry to the front face of the truckmount.
The max recommended temperature for the 2" ID vacuum hose is 140 degrees F. The air coming out of the back of the Escape Plus is over 185 degrees F once the one is on the floor and they have been running for 5 minutes. This means it is possible to melt the vacuum hose. We do sell 450 degree rated silicone hose below.

We recommend you install a pressure reduction valve as it is harder for the float valve to turn off the fill tank once full with hotter water.

White Magic B098 Water Pressure Reducer for Truckmounts to 50 psi

Upgrade hot air transfer hose from plastic to silicone rated for 450 degree F.
SteamBrite 20220520 Truckmount Through the Floor Exhaust Hose 2in ID X 6 ft Long Silicone

Connects to male nipple on heat exchanger to convert the 3/4 Male pipe to male garden hose connection to assist in connecting the hot water hose to transfer

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hot water to front of truck mount

Brass 3/4 Female Pipe X Male Garden Hose Adapter 30073

To assist connection between hot water hose and front of machine so will not kink if front of machine is close to the door.

Clean Storm Garden Hose 90 Degree Turn Brass for Bathroom Sinks 20210929

Transfer hot water from the heat exchanger to the front of the Mytee Escape

Clean Storm Auto Fill Hose 6 ft By 1/2 Inch ID with 90 degree Fitting for Hot water Garden Hose 20130305

Use to transfer 3/4" Male pipe thread coming off the heater and turn them into 3/4" Swivel garden hose connection.

3/4 FGHX Garden Hose Swivel Fitting X 3/4in Fpt with Washer Brass [8.705-034.0] 30006 30-006 BR326 GH-660B

Screws onto the 2" ID vacuum hose on one side and slips over the AH69 fitting

Clean Storm AH44 Vacuum hose Cuff 2in Thread X 2.0in Slip - 2in Standard 8.708-904.0 B016 J11630 530009

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Goes between H136V and AH69
Hose Vacuum Hose 2.0in ID Double Lined By The Per Foot 20140808 (NO Hose Cuffs)
Order about 6 - 10 feet depending on heat exchanger placement.

To assist with connecting 2" ID vacuum hose to the back wall air exhaust of the Escape
Mytee H136V Male Vinyl Hose Cuff EACH

Installed on inbound side of heater to assist in connection of 2" ID vacuum hose
2in Barbed X 1-1/2in Mip Plastic Connector Vacuum Port 20130429 Insert Fitting AH69

Join Multiple Heaters in Series for more heat.
Plastic White Nylon High Temperature Hex Pipe Nipple 1-1/2 Inch Mpt 28618W

Question: Can this be used on the ETM-LX-115?

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Answer: You can but since this other model only has 2 vacuum motors in it, it will not get near as hot.

Question: What is the side bleeder port connection size?
Answer: This is a dry well that does not need to be capped off. It is for 3rd party sensor to monitor the air temperature of the heat exchanger.

Question: Can this be used on the high pressure side after the pressure pump?
Answer: No, this is for garden hose only water pressure.

Question: Does the heat exchange reduce the air flow to the wand?
Answer: No it does not as once the wand is on the carpet the air flow through the truckmount is less than 50% of what it is open flow. The heat exchange can handle 225 cfm and so the truckmount open flow rating would have to be over 450 cfm before it was restricting the dry times.

Question: What is the maximum water temperature I can achieve with this heater?
Answer: About 140 degrees F max. The water pump seals are not rated higher than this number. The vacuum motor exhaust will not get hot until you place the wand on the floor and restrict the air flow. This is dumping the hot water into the water box and this hot water is running through the pump and pressure regulator too.

Question: Do you have a heat exchanger that can used on the high pressure side after the pump?
Answer: It is possible but the cost to build this is almost twice the price to purchase a propane, kerosene, or diesel heater, close to $5000.

Optional

Transfer the building supplied hot water out to the Escape Heater to further increase the heat.

Clean Storm Live Reel with 100 ft Hot Water Transfer Garden Hose 3/8in ID Hose included SBM100GL 20220406

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Availability: This product was added to our catalog on Friday 13 May, 2022

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