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Mytee ETM-LX-PLUS Escape Pre Heat Exchanger Stainless Steel Low Pressure Starter Kit 20220521



Model Number: 20220521

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Manufacturer: Clean Storm

Mytee ETM-LX-PLUS Escape Pre-Heat Exchanger Stainless Steel Low Pressure Starter Kit 20220521

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 most 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.
Starter Kit includes:

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White Magic B098 Water Pressure Reducer for Truckmounts to 50 psi

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

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

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

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

Hose Vacuum Hose 2.0in ID Double Lined By The Per Foot 20140808 (NO Hose Cuffs)

Starter set includes 6 feet.

Mytee H136V Male Vinyl Hose Cuff EACH

2in Barbed X 1-1/2in Mip Plastic Connector Vacuum Port 20130429 Insert Fitting AH69

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Optional
Works on 425 psi carpet cleaning pressures
When adding this option place closer to the hot air exhaust and the the low pressure heater second in series.
Mytee ETM-LX-PLUS Escape Post Heat Exchanger Titanium Medium Pressure Heater 425Psi Bundle 20220524

Optional: Join multiple heaters in series
Plastic White Nylon High Temperature Hex Pipe Nipple 1-1/2 Inch Mpt 28618W

Optional: 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

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Question: Can this be used on the ETM-LX-115?
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, example 1000 psi?
Answer: It is possible but the cost to build this is more than the price to purchase a propane, kerosene, or diesel heater, close to $3000.

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 Thursday 19 May, 2022

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