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Model Number: 20220522

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Manufacturer: Clean Storm

Mytee ETM-LX-PLUS Escape Post Heat Exchanger Only Titanium Medium Pressure 20220522 (2 month build time required)

Helps that the heat from the vacuum motors 185 degree exhaust and transfers to the high pressure rinse water after the water pump.
100% more water molecule vibration than standard garden hose water temperature.

- Constructed of titanium shell and titanium coil
- 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
- Equipped with stainless steel holding brackets

Max BTU Output:

135,000

Max Hot Water Flow:

11 GPM

Max Air Flow:

225 CFM

Heat Transfer Area:

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2.5 Sq. Ft

Empty Weight (lbs):

4 lbs

Water Connection:

1"

Air Connection:

1-1/2"

Height (Inches):

20"

Width:

5-1/8"

Max. Working Pressure:

425 psi

Max. Working Temp (F):

230°F

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Notes: This is not everything you need to 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 of air flow direction. The high pressure water comes in the front and the hot water comes out the rear while the hot air comes in the rear and leaves the front. You will have to have a jumper hose from the high pressure out off the face of the machine to the heater intake.
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.
You can also stack the medium pressure heater with the low pressure heater below.
The medium pressure heater must be installed closest to the hot air and the low pressure mounted secondary. In other words, use the air that leaves the medium pressure heater to feed the low pressure heater with a 1.5" nylon pipe nipple.

Options below:

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

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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Connects to male nipple on heat exchanger to convert the 1 Male pipe to 1" female pipe connection
2 units needed
Brass Coupler 1 Inch Fip X 1 Inch Fip Brass Coupling 28063 103AH-F

Two units needed
1in Mip X 1/4in Fip Brass Bushing Adapter 28112

Two sets recommended
Foster FK2BH2B QD 1/4in Male/Female Set Brass Quick Disconnect Used for Carpet and Tile Cleaning

Two units needed
1/4in Mip X 1/4in Mip Brass Hex Nipple Pipe Thread BR072 P/N-3325-4 - 8.706-780.0 28212L

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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

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

If you are going to use the optional silicone hose, you will have to file or grind off a little plastic as the barbs are just over 2" wide.

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

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Join multiple heaters in series for even 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?
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: 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. We tested the Escape plus to have 242 cfm open flow and 121 with the wand on the carpet. (sorry 350+ cfm from Mytee is a misprint) Read more HERE.

Question: What is the maximum water temperature I can achieve with this heater?
Answer: About 185 degrees F max. Example like in upholstery cleaning. Depending on your flow rate for carpet cleaning will be less. You can stack the low pressure heater with the medium pressure heater for improved results and also feed system with building supplied how water with the hose reel below.

Question: Can you make this to handle higher pressures for tile cleaning?
Answer: So far no. The thicker walled metal makes it cost too much as well as then does not transfer the heat as well. Currently you have to disconnect the heater water pressure when cleaning tile.

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 20 May, 2022

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