Mytee ETM-LX-PLUS Escape Post Heat Exchanger Titanium Medium Pressure Heater 425Psi Bundle 20220524



Model Number: 20220524

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Manufacturer: Clean Storm

Mytee ETM-LX-PLUS Escape Post Heat Exchanger Titanium Medium Pressure Heater 425Psi Bundle 20220524
(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

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Heat Transfer Area:

2.5 Sq. Ft

Empty Weight (lbs):

4 lbs

Water Connection:

1"

Air Connection:

1-1/2"

Length (Inches):

20"

Width:

5-1/8"

Max. Working Pressure:

425 psi

Max. Working Temp (F):

230°F

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Notes: This bundle is everything you might need to heat the water for a the Mytee Escape truckmount on the medium pressure side.
Water and air flow should be in opposing 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 on the floor 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 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 kit includes the 450 degree rated silicone hose below. You can also stack the medium pressure heater with the low pressure heater bundle below with a high temperature nylon pipe nipple (see bottom of this webpage.) The medium pressure heater must be installed closest to the hot air and the low pressure mounted secondary near the face of the truck mount if you decide to purchase both kits. In other words, use the air that leaves the medium pressure heater is used to feed the low pressure heater with a 1.5" nylon pipe nipple. 425 max cleaning psi, so for tile cleaning. Please disconnect the high pressure hose from this heater if you need to clean with more pressure.
Heater does not include installation instructions as you should be able to self install with the parts at hand. All parts shipped loose. Bundle does not include required teflon pipe tape or pipe dope. If you set the wand down and quit cleaning it is not possible to over heat the water since the air is only 185 degrees F. 1 year manufacture's warranty against manufactured defects, but not against freeze damage or over pressurization damage.

Bundle includes these items below:

1
Mytee ETM-LX-PLUS Escape Post Heat Exchanger Only Titanium Medium Pressure 20220522 Heater Only 425Psi

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You might have to file the barbs down a bit so the 2" ID hose slides over as the hose barb is just over 2" ID.

You can use a file or bench grinder.

Mytee Male Lynx To 2 Inch Hose Barbed Adapter 20220523

1

400 degree rated exhaust hose

SteamBrite 20220520 Truckmount Exhaust Hose 2in ID X 6 ft Long Silicone

2 units

Connects to male nipple on heat exchanger to convert the 1 Male pipe to 1" female pipe connection

Brass Coupler 1 Inch Fip X 1 Inch Fip Brass Coupling 28063 103AH-F

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

2 sets
One for the heater, one for the jumper hose
Foster FK2BH2B QD 1/4in Male/Female Set Brass Quick Disconnect
Used for Carpet and Tile Cleaning

1
Install between brass street 90 and female brass QD
Jumper Solution Hose 3000Psi 1/4in ID X 6 Ft Long X 1/4in Mip Ends
Non Marking Jacket 9815-6

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Install between male QD and 6 ft jumper hose to bend the high pressure out down over to the heat exchanger water inlet

1/4in Mip X 1/4in Fip Street 90 Brass Elbow [BR282] 28-157 28-157S 28157

2 units

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

2 units

Hose Clamp 620032 1/2in Wide All 302 Stainless Steel Band Steel Nut 1-9/16 - 2-1/2 inches

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

Options:

Low pressure heater is used to pre-heat the garden hose as it falls into the water box on the Escape

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

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

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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 hot 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.

Question: Will I get 135,000 BTU from a Mytee Escape ETM-LX-Plus?
Answer: No. This is the max BTU the heater can displace based on how you feed it. Example if I took an onboard gasoline generator 600 degree engine exhaust and mixed it with the 185 degree Mytee exhaust and was performing a low water flow cleaning, like cleaning with an upholstery wand.

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

MF135T -->
More Questions and Answers in the Forums:
Evolution of Mytee Escape ETM Truckmounts

Can the Mytee Escape PLUS really product 350 CFM?

Mytee Escape LX-Plus: Regulated to 1000 psi - What does this mean?

Ford F-150 Lightning Pro Power 9.6-Kw capable of running a Mytee Escape ETM-LX-Plus?

Parts & Accessories > Heaters > Heater Repair Parts > Mytee ETM-LX-PLUS Escape Post Heat Exchanger Titanium Medium Pressure Heater 425Psi Bundle 20220524

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Availability: This product was added to our catalog on Monday 23 May, 2022

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