

HECAT FAC 500 FLUSHER-CLEANER-RECYCLER

OPERATING INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE OPERATING FLUSHER

USE ONLY DRY SHOP AIR WITH THIS FLUSHER. ALTHOUGH THE FLUSHER IS EQUIPPED WITH AN AIR FILTER, CAUTION MUST STILL BE USED TO AVOID EXCESSIVE CONTAMINATION OF THE A/C SYSTEM WITH MOISTURE FROM THE SHOP AIR SUPPLY.

Basic Flushing Procedure:

The following sequence of flushing and purging operations is recommended. This is to assure that the final flush is from “top to bottom” and the remaining solvent is purged from the lowest part of the A/C component during the air purging cycle.

When flushing a condenser and/or high-pressure liquid lines, connect the rubber or flush hose to the outlet side (bottom port) of the component first, then the clear plastic return hose to the inlet side (top port). This is done to perform the first flush in a back flush direction to back out debris trapped at the entrance of this component. Perform flushing operation per equipment operating instructions, then reverse the hoses at the quick couplers and complete the final flushing and air purging of the component from the inlet (top) through the outlet side (bottom).

When flushing an evaporator, the back flushing direction in this component is in the “top to bottom” configuration only the one flush will be necessary followed by the air purge process.

Filling the Flusher

- Place drain valve and control valve in the closed or off position.
- Remove filler cap at back of machine and install 2 gallons of an approved solvent (Hecat SAFE-FLUSH recommended).
- Other solvents will work with this unit, however foaming type solvents are not to be used as they will contaminate the flusher and stop the pulsing action.
- If flushing fluids containing CF 20 or 141 are used they will dry out the seals in the control valve and they are cost prohibitive due the fact that they evaporate too rapidly and will not recycle well.
- Fill flush tank only to the full mark (slot behind sight glass) at sight glass on back of flusher. **DO NOT OVERFILL**

Flusher Operation:

- With the control valve in the OFF position and before connecting shop air to the flusher, drain the air filter.
- Connect shop air supply to the air filter.
- Using the flusher adapters, connect the flusher hoses to the A/C component.
- After the flusher is connected to the A/C component, turn the control valve to the FLUSH position for 20 to 30 seconds, this will allow 20 to 30 oz's. of solvent to flow through the system.
- Turn the control valve to the OFF position for about 10 seconds to allow a bleed off of the residual pressure.
- Reverse the hoses as instructed previously and repeat the flushing operation in a back flushing mode.
- Move control valve to the PURGE position and allow the system to purge for 20 to 30 minutes, (some solvent manufacturers may recommend a longer period of purging, depending on how readily their solvent will vaporize).
- Repeat operation for the remaining component and then return control lever to the OFF position. This completes the flushing operation.

Recycling Procedure:

- Should the flushing tank be emptied, during the flushing operation, it will not be necessary to change the position of the hoses to recycle the solvent.
- The control valve may be moved to the RECYCLE position at any time and the solvent will be moved through the particle and dryer filters and returned to the flush tank.

Changing / Draining Flushing Fluid:

- Technician should use good judgement as to how frequently to drain the flusher, install a new particle filter and/or install new solvent.
- Flushing of several extremely dirty A/C systems in succession will obviously contaminate the solvent much more rapidly and decrease the number of systems that can be flushed before changing the solvent.
- With shop air supply connected to the flusher, connect both hoses to each side of the anti evaporation nipple on the back of machine, turn control valve to the Recycle position and allow all the solvent to flow into the FLUSH tank.
- Remove drain hose from it's retaining clip and place open end of hose in a suitable drain container.
- Place the control valve in the PURGE position and open the drain valve SLOWLY to avoid solvent being blown from the hose too rapidly.
- Allow solvent to flow from drain hose until only air comes from the hose, return control valve to the OFF position, close drain valve and disconnect shop air before attempting to remove filler cap.

Filter Service

- **The flusher is equipped with a non-bypass spin on particle filter and a filter dryer to clean the solvent during the recycling operation.**
- **The spin on filter is a Pro Line # PPL20064 or equivalent and may need to be changed when the solvent is changed depending on how severe the contamination of the A/C systems has been during flushing operations.**
- **Should the recycling operation become too slow, it may be necessary to replace the Filter-dryer. This dryer is a standard # 163 commercial dryer with 3/8" flare fittings. These dryers are generally available from a commercial refrigeration supply store.**
- **The vent filter has an activated charcoal element to control solvent emissions and the element is replaceable separately as needed.**