

HECAT® FAD-100

Universal A/C Flush Fitting Kit

PATENT PENDING

These instructions are intended as guidelines for general operation of the Universal Flush Fitting Kit. The clamp assemblies and support plates included in this kit can be installed on most A/C line or tube ends for attachment of the flusher being used. The support plates are slotted to allow for different size tubes or line nuts to be supported against the lower end of the sealing clamp. The chamfered area on the support plates will allow the flared end of the tubes to sit level. This way the sealing cone can be seated without slipping or damaging the end of the tube. Seating of the sealing cone into the fittings or tube ends does not require the use of wrenches or other tools.

Sealing cones damaged by tools must be replaced. Although the hard cones have proven to be very effective and durable, rubber cones have recently been added to this kit to allow for the positive seal necessary to perform refrigerant flushing and vacuum recovery with the H1000 flusher. Rubber cones can also be used for pressure and vacuum testing of components.

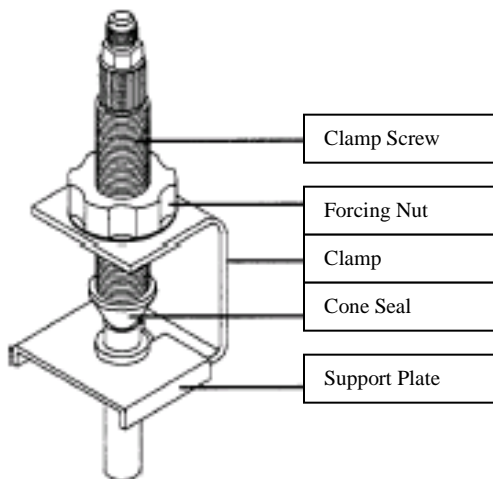
Installation and Use:

- After selecting the correct support plate to fit the tube or line fitting, tighten the clamp screw until the cone is seated firmly against the end of the tube or line fitting on the A/C component.
- While holding the clamp screw by hand, rotate the forcing nut an additional 1/8 to 1/4 turn. This will provide a leak-tight seal for the flushing operation.
- The rubber cone will distort some as it tightens and may require a minor amount of additional tightening on the forcing nut to make the necessary positive seal. Rubber cones will return to their original shape when removed.
- To remove the clamp assembly, hold the clamp screw and back off the forcing nut to free up the sealing cone without damaging the end of the cone.

Changing the Sealing Cone:

- When using the adapters on a tube or fitting which is too small for the sealing cone to enter, replace the cone shaped seal with the concave seal or the 3/8" tube seal.
- To replace the sealing cone, hold the forcing nut and back out the clamp screw until the cone is pulled out the end of the clamp screw. Insert the desired sealing cone into the end of the clamp screw and tighten the screw until the cone bottoms in the screw, using the non-slotted support plate against the end of the cone.
- The Rubber Cone can be installed and removed by hand.

IMPORTANT: DO NOT use pliers or other tools to twist the sealing cone out of the clamp screw, because it could damage the sealing cone.



Included in this Kit:

- (1) #300031 - Storage Case (w/ foam insert)
- (2) #300012 - Zinc Plated U-Clamp
- (2) #300013 - Zinc Plated Clamp Screw
- (2) #300014 - Solid Aluminum Forcing Nut
- (2) #300024 - Support Plate (1/2" tube)
- (2) #300023 - Support Plate (5/8" tube)
- (2) #300022 - Support Plate (3/4" tube)
- (2) #300021 - Support Plate (7/8" tube)
- (2) #300020 - Support Plate (blank for manifolds)
- (2) #300017 - 3/8" Tube Seal (UHMW)
- (2) #300018 - Cone Shaped Seal (UHMW)
- (2) #300018B - Cone Shaped Seal (Buna N)
- (2) #300019 - Concave Seal (UHMW)

- **CONNECTING THREAD SPEC:** The clamp screw terminates with a 1/4" male SAE refrigerant flare to allow for universal use with the many flushing methods and flushing equipment.
- When shipping with a Hecat flusher the FAD-100 kit will include a pair (2) of 90 degree 1/4" female flare to male quick connect adapters needed to connect to the specific Hecat flusher model selected.
 - #300001 for the FAC series flushers that use 1/4" pneumatic industrial interchange (Parker H3C)
 - #300002 for the H1000 flusher that uses 3/8" hydraulic high flow non valved (Parker BST-N3).
- **INTERNAL FLOW DIAMETER:** The internal flow path is 0.250" minimum to allow for high flow flushing.

If used properly this tool will not damage A/C lines or connections. The technician is responsible to ensure of this tools proper use and Hecat is not responsible for any damage done due to the misuse of this tool. Because of ongoing product improvements, we reserve the right to change design, specifications, and materials without notice. To order replacement parts or if you have any questions, call our Toll-free Technical Support Line: 1-800-380-9501