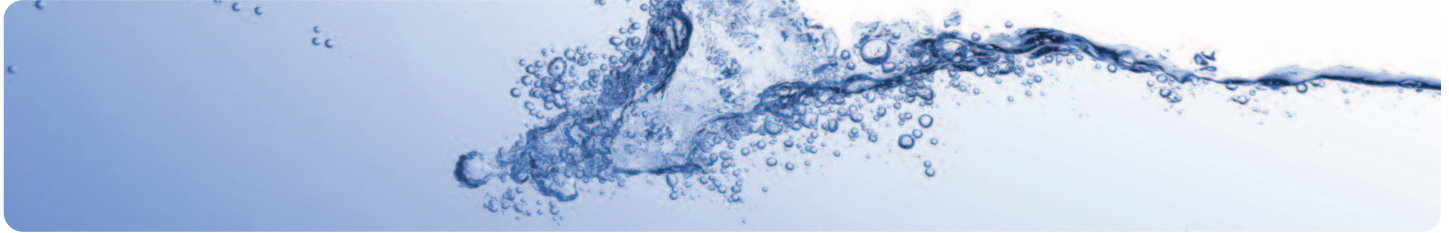


# Line Set Cleaning Procedure for Retrofits Using Genetron® ST-20™ Flush



When installing a new R-410A air-conditioning system to replace an existing R-22 system, it may be possible to use the existing line set. Consult the OEM's installation manual to determine if the line sizing is correct prior to using the existing line set.

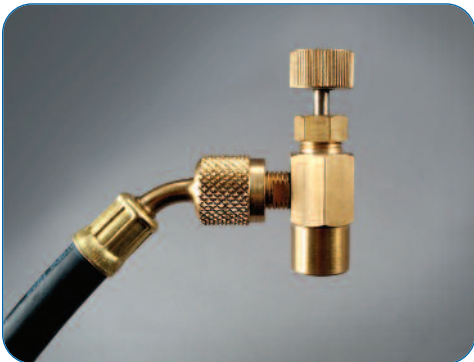


Figure 1



Figure 2

## Recommended tool list:

- Can of Honeywell Genetron® ST-20™ Flush
- Honeywell Genetron ST-20 Flush Dispensing Valve (Part no. ST-001)
- Refrigeration service hose
- Injection tool or compression fitting
- Container to capture contaminated flush

## Line Set Cleaning Procedure for Retrofits

1. Before starting any work, put on approved safety goggles and nitrile gloves. Work only in a properly ventilated area.
2. Recover the existing R-22 charge; it is illegal to vent any refrigerant.
3. Disconnect any electrical power feeds to the system including any solenoids or reversing valves.
4. Using a tubing cutter, cut the liquid and suction line at both the condensing unit and the evaporator.
5. Temporarily connect the liquid and suction lines at the evaporator using clear plastic tubing, suitable adapters and hose clamps.
6. Apply a partial restriction to the outlet of the liquid line and position a clean container at the liquid line to catch solvent and contaminants as they are purged from the system. Purged material may include acids, oil and particulate debris, which must be disposed of properly.
7. Connect the Flush can valve as shown in *Figures 1 and 2* or use a valve capable of connecting to 7/16" 28 thread. These valves are currently offered for sale at most refrigeration and air-conditioning wholesalers.

8. Connect the refrigeration service hose or refrigeration manifold set to the can valve and the suction line. Using an injection tool or a compression fitting and adapters, connect a refrigeration service hose to the suction line at the condensing unit location.
9. Invert the ST-20 can, open the valve and dispense a 15 - 20 second burst of ST-20 Flush. Inspect the clear tubing at the evaporator and look for liquid. If no liquid is present continue 15 second purges until liquid is observed. Follow ST-20 with a regulated supply of dry nitrogen and push the solvent into the receiving container while observing the condition of the purged material. When the solvent runs clear with no oil or contaminants present, the flushing operation is complete. Follow with a dry nitrogen purge. Never pressurize the ST-20 Flush container. Dispose the waste material properly.
10. Connect the line set to the new evaporator and condensing unit and evacuate and leak check per current guidelines.

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#### Honeywell Genetron Refrigerants

101 Columbia Road

Morristown, NJ 07962-1053

Phone: 1-800-631-8138

[www.genetron.com](http://www.genetron.com)



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May 2011

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