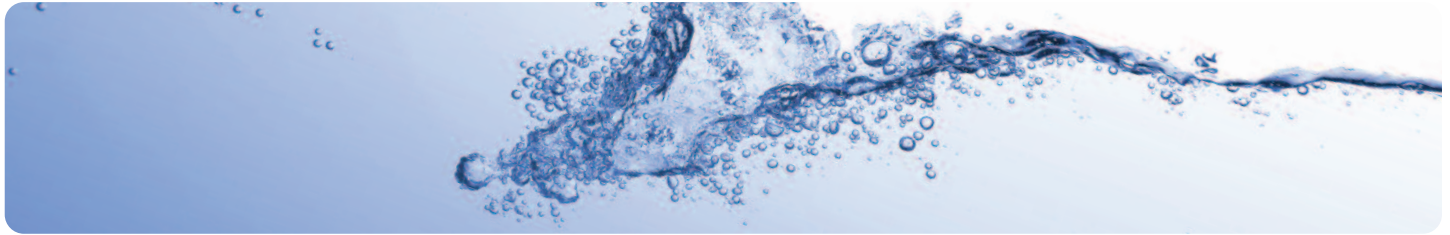


System Cleanup and Repair Procedure with Genetron® ST-20™ Flush



After a mechanical failure or hermetic motor burnout, use Genetron® ST-20™ Flush to remove contaminants by flushing interconnecting piping.

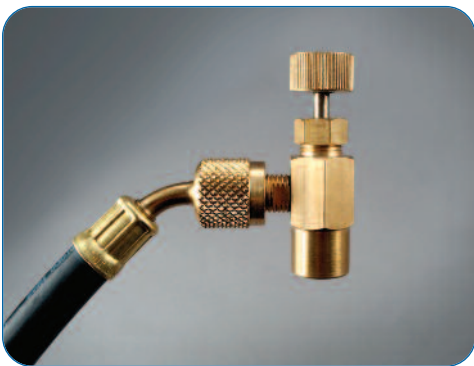


Figure 1



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

System Cleanup and Repair Procedure:

1. Before starting any work, put on approved safety goggles and nitrile gloves. Work only in a properly ventilated area. Disconnect all electrical connections to the system.
2. Recover the existing refrigerant charge; it is illegal to vent any refrigerant.
3. It will be necessary to cut the refrigeration or air conditioning system at several points to isolate large components, such as receivers and condensers, which must be cleaned separately. It may be impractical to clean large components with ST-20 Flush. Inspect these components and consider mechanical cleaning if large deposits are discovered. Remove any solenoid or reversing valves from the piping. Do not attempt to push ST-20 Flush through compressor bodies.
4. Apply a partial restriction to the outlet of the component and position a clean container at the component outlet 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 properly.
5. 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. Using an injection tool or a compression fitting and adapters, connect a refrigeration service hose to the inlet of the component.
6. Invert the ST-20 can, open the valve and dispense several 15 - 20 second bursts of ST-20 Flush. 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. Never pressurize the Genetron ST-20 container. Dispose the waste material properly.
 7. Use dry nitrogen to completely purge the component.
 8. After cleaning and purging, assemble the refrigeration or AC system. Remember to purge the system with low pressure nitrogen during brazing operations.
 9. Replace the liquid line filter drier and consider installing a suction filter.
 10. If the original compressor is being re-installed, change the lubricant. Use only lubricants specified by the compressor manufacturer.
 11. Pressurize the system with nitrogen and leak check per AHRI and EPA guidelines.
 12. Evacuate the system and charge the proper refrigerant per the system manufacturer's recommendations.
 13. If a retrofit was accomplished during this repair, label the system indicating the refrigerant and lubricant used.
 14. Properly dispose contaminated Genetron ST-20 Flush.

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