

Care and Maintenance

INLINE FILTER DRYERS

Use a new inline filter dryer on the input side of the G5Twin when pumping dirty refrigerant. Refrigerant acts like a solvent and can collect dirt and debris when it is pumped out of a system. Failure to use an inline filter dryer can cause damage to the compressor, and will void the warranty on your machine.

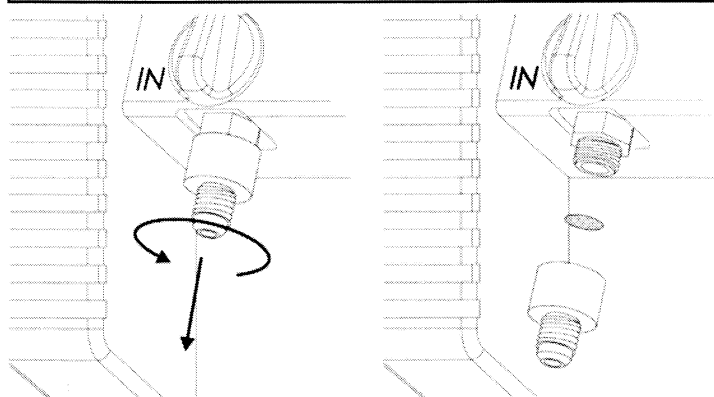
While specifications may vary, most Size 032 filters will not be effective for more than 50 lbs. (22.6 Kg) of refrigerant. Also, once refrigerant has been introduced into the inline filter, it may continue to wear down, and may not have the same effective capacity if used across multiple jobs. Change the inline filter dryer regularly, and consult the filter manufacturer for expected capacity.

SCREEN CLEANING AND REPLACEMENT

The G5Twin is equipped with a debris screen inside the input fitting. This is the last line of defense for the recovery machine against any debris that might make it past an inline filter. For best results it is recommended to clean it before each use. If it becomes worn, replace it immediately.

1. Unscrew Filter Cap from Input Port.
2. Remove screen from Filter Cap.
3. Clean screen and Filter Cap thoroughly. If the screen is worn or damaged, replace it.
4. Check the O-ring that seals the Filter Cap to the Input Port. If it is dry, apply a drop of refrigeration oil. If it is damaged, replace it.
5. Place clean screen into Filter Cap and screw it back onto the Input port.

Diagram 9



PLANNED MAINTENANCE

You can use any standard refrigeration oil (mineral is ideal) to scavenge out dirt and debris, and recondition the seals. Run the machine with no hoses connected and both valves open. Using a 1/4" port cap, fill it with refrigeration oil and hold it up against the input port, allowing the G5Twin to suck it in. Place a towel below the output port to catch any oil spray. This is very helpful after recovery of burnout systems, and as regular maintenance depending on the frequency of use.

1-MINUTE BENCH TEST

The following test can be performed to verify that the G5Twin is operating normally:

1. Disconnect any hoses from the machine.
2. With the input valve open and the output valve closed, turn the machine on.
3. Time how long it takes for the unit to pressure up and cut off. The unit should pressure up and cut off at approximately 550 psi (38.6 Kg/cm²) in under 1 minute. Otherwise, the unit may be in need of maintenance or repair.