SCK020
AIR COMPRESSOR KIT
INSTALLATION INSTRUCTIONS

SERVICE TIP: REPLACE THE CHECK VALVE WHEN REPLACING THE COMPRESSOR!

A leaky check valve can cause moisture or steam to seep inside a compressor thus causing the compressor to fail. We recommend replacing the check valve at the same time you replace the compressor so, RPI includes a Check Valve Kit (RPI Part #SCK011) with the AIR Compressor Kit (RPI Part #SCK020). It's the RPI Advantage!

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1)   Turn off and unplug the autoclave.

2)   Remove the tubing connecting the check valve to the compressor.

3)   Use a 7/16" wrench to secure fitting on steam generator/boiler and remove the check valve using a 1/2" wrench.

4)   After the check valve is removed, clean any debris from the steam generator/boiler fitting. **Warning: Incomplete removal of debris from the steam generator/boiler fitting before installing new check valve may result in valve failure.**

5)   Apply approximately 3-4 drops of the enclosed Threadlocker 545 (RPI Part #RPA369) to completely cover the threads on the steam generator/boiler fitting.

6)   Install new check valve hand-tight onto boiler fitting. Use a 7/16" wrench to secure the boiler fitting and tighten the new check valve with a 1/2" wrench (approximately 3-4 turns).

CAUTION:

Care must be exercised to ensure that fittings on the steam generator/boiler are properly wrenched when loosening or tightening mating fittings. Failure to do so may result in damage to the fitting on the steam generator/boiler. If damage occurs, it will be an expensive repair that can only be made at the OEM's repair facility. There are no "field serviceable" options for this type of damage.
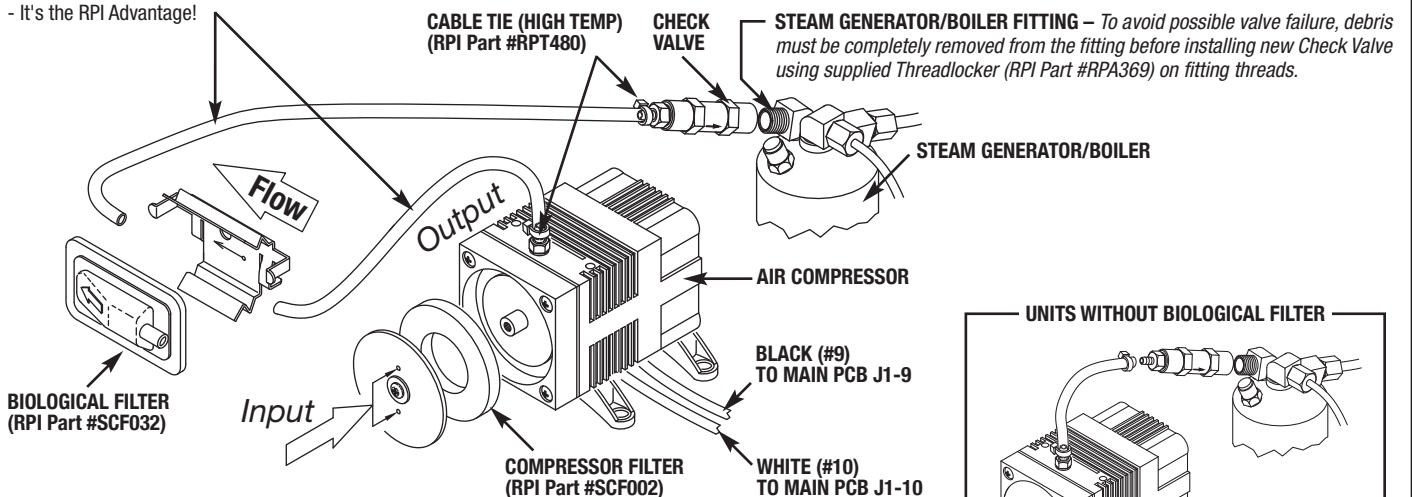
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7)   Note the routing and colors of the compressor wires. Remove cable ties securing wires to chassis and remove wires from main PC board terminal block.

8)   Remove and discard the four mounting screws and washers.

9)   Remove ground wire from old compressor and reinstall onto the new compressor using the ground wire screw previously removed from the old compressor.

10) Mount the new compressor using the screws provided in this kit.

11) Reroute the wires and attach them to the main PC board terminal block (White wire to J1-10, Black wire to J1-9). Secure wires to chassis at the same points the old compressor wires were secured.

12) Cut the new transparent Tubing (RPI Part #RPT373) to size and secure to the barb fitting on the check valve and air compressor using the Hi-Temp Cable Ties (RPI Part #RPT480) provided.

13) Run a test cycle or two to ensure autoclave runs properly.

STAT*IM*® 2000 Model Shown

TRANSPARENT SILICONE TUBING (RPI Part #RPT373)
Checking for a leaky Check Valve just got easier. The RPI tubing used in this kit is transparent, making the leak easy to spot! Early detection of a leaky Check Valve can prevent a costly repair. - It's the RPI Advantage!

CAUTION: NEVER OIL COMPRESSOR

CABLE TIE (HIGH TEMP) (RPI Part #RPT480)

CHECK VALVE

STEAM GENERATOR/BOILER FITTING – *To avoid possible valve failure, debris must be completely removed from the fitting before installing new Check Valve using supplied Threadlocker (RPI Part #RPA369) on fitting threads.*

STEAM GENERATOR/BOILER

Flow

Output

AIR COMPRESSOR

UNITS WITHOUT BIOLOGICAL FILTER

BLACK (#9) TO MAIN PCB J1-9

BIOLOGICAL FILTER (RPI Part #SCF032)

Input

COMPRESSOR FILTER (RPI Part #SCF002)

WHITE (#10) TO MAIN PCB J1-10

This MEDO Pump draws air through the Compressor Filter (RPI Part #SCF002) located in the front of the compressor. Air is then pushed through the Biological Filter (RPI Part #SCF032) (if present) and through the Check Valve into the Steam Generator/Boiler.