



Scan to view installation video

Inlet is the top threaded insert
(Dome) **"FROM CHAIR"**



Outlet is the bottom threaded insert
(Legs) **"TO PUMP"**

New "BOSS" Separator - Quick Installation Guide

1. Make a note of the vacuum pump pressure prior to starting the installation.
2. Drain the evacuation line of all fluid before turning the vacuum pump off, to avoid spillage.
3. Turn off the vacuum pump.
4. Access the hose coming from the operatories to allow connection to the BOSS amalgam separator.
5. If a solids collector cup is installed, be sure it is installed **AFTER** the separator.
6. Find the hose that comes from the operatories in Step 4. Heat the end with the heat gun until pipe is pliable. Do not over heat. Slide the hose over an appropriately sized barbed to 1 1/2" male threaded fitting. Place a clamp over the hose securing it onto the fitting. Do the same for the outlet end. Teflon tape both threaded 1 1/2" fittings.
7. ** Read Optional steps 8 and 9 if an elbow is necessary for restricted access installations. If an elbow is not being installed, proceed now to Step 10.

Elbow

- *8. Prepare a 1 1/2" ID closed nipple (dual male end) with Teflon tape and screw the taped nipple into the threaded inlet of the separator. Hand tighten.
- *9. Now attach a 1 1/2" ID elbow (45 or 90 degrees as required) onto the exposed end of the taped closed nipple referred to in Step 8. Do not over tighten.

Quick Connects

10. Screw Part A onto the 1 1/2" male threaded connector attached to hose in Step 6.
11. Teflon tape the threads on Part B, then screw into inlet and outlet of the BOSS amalgam separator (If there are elbows used, screw quick connect into elbow).
12. Connect the quick connects by lifting the arms of Part B, then sliding Part A into the opening. Be sure to connect inlet hose (From Chairs) at the top of the LibertyBOSS and the outlet hose (To Pump) at the bottom of the LibertyBOSS. Once the two parts are combined, lock them into place by lowering the arms of Part B. Once the inlet and outlet are locked into place, the LibertyBOSS amalgam separator is installed.
13. Turn on pump and check visually for water leaks, feel every connection to assure no air is escaping.
14. Check the pressure gauge to see if it is still the same. Note pressure change if any.
15. If you have upgraded to a LibertyBOSS from another amalgam separator, please visit our website for instructions on how to package the old system properly for recycling (Scan QR above for video).

PartA



PartB



Warranty Registration Card

16. When the depleted amalgam separator is boxed and ready to be shipped, send your completed Warranty Registration Card either by email (info@marsbiomed.com) or by fax (905-723-9610). Please be sure the Practice's hours of operation and all contact information is included. Once your Warranty Card is submitted, M.A.R.S will contact you with your Certificate of Compliance and recycling instructions.

WELCOME TO THE M.A.R.S FAMILY OF ENVIRONMENTALLY FRIENDLY DENTAL PRACTICES

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NOTE: MAXIMUM FILLABLE VOLUME: 3.0 L (Total system volume 3.6 L) Max. flow rate @ 1 litre/minute Class.: Type 2

The LibertyBOSS amalgam separator is depleted at the end of the service life, indicated by M.A.R.S. Bio-Med.

A depleted LibertyBOSS is judged not solely on capacity, but on the duration it has been in service. However, if there were to be a question on how full a LibertyBOSS is the following will clarify; on the settling leg of the BOSS, there is a scale indicating sludge level, before pumps are turned on in the morning shine a flashlight between the legs, directing the light towards the Scale label. The darker portion gives indication of sludge level.

Required Maintenance: Use a good non-foaming, neutral pH Evacuation Line Cleaner daily and replace at end of Service Life.

Depleted Separator Replacement Guide



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1. Make a note of the vacuum pump pressure prior to starting the replacement and compare to the vacuum pressure after replacement.
2. **All threaded fittings must use Teflon tape to ensure a water tight seal for transport.**
3. Check the inlet and outlet hoses for leaks or cracks. Replace if damaged.
4. To avoid spillage, drain the evacuation line of all fluid before turning the vacuum pump off.
5. Disconnect and unthread inlet Quick Connect (top).
6. With the vacuum on, tilt the separator to approximately 60 degrees towards outlet (bottom). This will allow excess water that is trapped in the primary chamber to pass through the media bed and out to the pump system. Allow enough time for the pump to clear the excess water (for about 20 seconds).
7. When the lines have been cleared of excess water, turn off the vacuum pump. Use one of the 2 supplied 1 ½" ABS plugs with **Teflon** tape to plug the inlet of the used separator.
8. Repeat steps 5 and 7 for the outlet (bottom). **Teflon** tape **MUST BE USED** to ensure a water tight seal for transport.
10. Install new BOSS amalgam separator, reapplying **Teflon** tape on all connections attached to the "BOSS" amalgam separator.
11. Turn on pump and check for water or air leaks.
12. Check the pressure gauge to see if it is still the same. Note pressure change, if any.
13. **Line the box the New LibertyBOSS was shipped in with supplied bag**, then place depleted LibertyBOSS in the box. **Tie off bag** and tape box for shipping. Store depleted LibertyBOSS in upright position.

Warranty Registration Card

14. When the depleted LibertyBOSS is boxed and ready to be shipped, send your completed Warranty Registration Card either by email (info@marsbiomed.com) or by fax (905-723-9610). Please be sure the Practice's hours of operation and all contact information is included. Keep a copy on file.

Once your Warranty Card is submitted, M.A.R.S will contact you with your Certificate of Compliance and recycling instructions.

**For questions regarding installation of this product, please call
1-866-594-3648.**

**For complete Warranty and Written Guarantee of Compliance on the LibertyBOSS
amalgam separator, visit our website**

