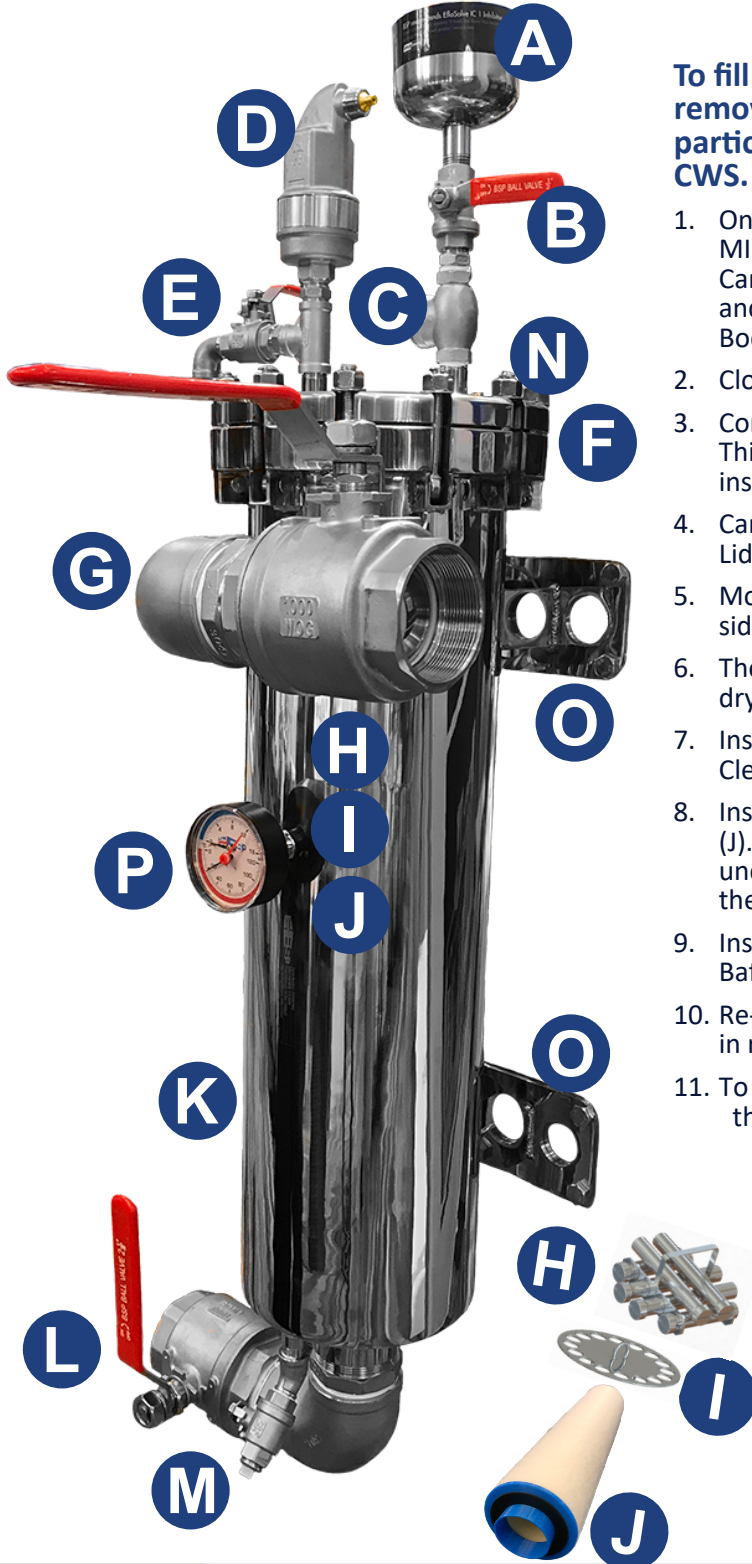


## OPERATING INSTRUCTIONS



To fill a system via the FILTER POT MIDI in order to remove potential Bacterial and minute contamination particles from entering the system from the incoming CWS.

- Once the main system pipework is complete, the FILTER POT MIDI can be used to fill the system by installing a 0.5micron Cartridge Filter (J) supplied with the unit, the Baffle Plate (I) and the Magnet Grate (inc Magnet Bars) (H) within the Vessel Body (K).
- Close valves (M), (E), (B), (G) and (L).
- Connect a temporary incoming CWS connection to valve (M). This will be used as the System Fill point. Make sure that any installation complies with any local Water Regulation by-laws.
- Carefully loosen the 12off Lid Locking Nuts (N) on the Vessel Lid (F) in a diagonal and opposite order to each nut.
- Move the swing arms with the bolts and nuts attached to the side of the vessel.
- The Vessel Lid (F) can now be removed and placed on a clean / dry surface.
- Install and locate the 0.5micron Cartridge Filter (J) into the Clean Return bottom outlet spigot of the vessel Body (K).
- Install the Baffle Plate (I) over the top of the Cartridge Filter (J). Press the Baffle Plate (I) down. The 'prongs' on the underside of the Baffle Plate (I) will connect and push into the top of the Cartridge Filter (J) to locate it.
- Install the Magnet Grate and Magnet Bars (H) on top of the Baffle Plate (I).
- Re-install the Vessel Lid (F) as instructions 4 – 6 above but now in reverse.
- To fill the system, open valve (M), this will now let CWS into the Vessel Body (K). Then open Clean Return Valve (L). Any contaminants in the water supply will be captured by either the Magnet Grate (H) or the 0.5micron Cartridge Filter (J). Any Bacteria entering the Vessel Body (K) within the CWS will be captured by the 0.5micron Cartridge Filter (J). Any 'Free Air' will also escape via the Automatic Air Vent (D).
- Once filling is complete, close valve (M) and the Clean Return Valve (L), disconnect the temporary incoming CWS connection to valve (M).
- Valve (M) will now be used as a dedicated Drain Valve (M) for the draining of the Vessel Body (K) when in operation mode.



The unit is under pressure!  
Risk of potential scalding in heating systems.  
Wear appropriate PPE.



## OPERATING INSTRUCTIONS

### To open the vessel when in operation in order to dose the system with chemicals.

14. Close valves (G) and (L). This will isolate the FILTER POT MIDI from the system.
15. Remove the Insulation Jacket lid from the lid of the FILTER POT MIDI.
16. Place a suitable sized bucket below the drain valve (M).
17. Open valves (M) followed by valve (E). This will drain the contents of the vessel. When the vessel is empty.
18. Check the pressure/temperature gauge to confirm the pressure is 0Bar.
19. Close valve (M).
20. Carefully loosen the 12 off Lid Locking Nuts (N) on the Vessel Lid (F) in a diagonal and opposite order to each nut.
21. Move the swing arms with the bolts and the nuts attached to the side of the vessel.
22. The Vessel Lid (F) can now be removed and placed on a clean / dry surface.
23. Remove the Magnet Grate (H), Baffle Plate (I) and the dirty Cartridge Filter (J) from the Vessel Body (K).
24. Carry out the actions of 20 to 22 as above but in reverse.
25. Open valve (B).
26. Pour water treatment chemicals into the Tundish (A), as the chemicals enter the Tundish, air will release through the Manual Air Vent (E).

#### **NOTE: Do not add more than 24 litres at one time**

27. When the correct dose of water treatment chemicals has been added through the Tundish (A), close valves (B) and (E).
28. Open valve (L) on the Clean Return to let system water into the vessel and pressurise it, make sure all air is released and vented through the Automatic Air Vent (D) before opening valve (G) on the Dirty Flow to the FILTER POT MIDI.
29. The pressure/temperature gauge will now register.
30. The system water will now flow through and dose the system water with chemicals.
31. Replace the Insulation Jacket lid over the lid of the Filter Pot Mini.

### To clean and replace the Magnetic Grate and Cartridge Filter

32. Carry out the actions from 14 to 22 as above.
33. Install and locate a new Cartridge Filter (J) into the Clean Return bottom outlet spigot in the vessel Body (K).
34. Install the Baffle Plate (I) over the top of the Cartridge Filter (J). Press the Baffle Plate (I) down. The 'prongs' on the underside of the Baffle Plate (I) will connect and push into the top of the Cartridge Filter (J) to locate it.
35. With the dirty Magnet Grate (H) removed, unscrew the end caps and remove the 6 magnet bars one-by-one by using grips on the end of the screw head. Gently pull out the magnet bars until all 6 bars are clear.
36. Wash the Magnet Grate (H) under a cold water tap or in a bucket and wipe clean until all spoil has been removed.
37. Turn the Magnet Grate (H) upside down and lightly shake to remove any water from the inside of each magnet compartment.
38. Replace the clean magnet bars back into the Magnet Grate (H) and reverse actions in 35.
39. Place the now clean Magnet Grate (H) back into the vessel body (K) and on top of the Baffle Plate (I).
40. Now close up the vessel by reversing the actions of 20 to 21, making sure the Lid Locking Nuts (N) are tight and torqued down to 45Nm.
41. Open valve (L) on the Clean Return to let system water into the vessel and pressurise it, make sure all air is released and is vented through the Automatic Air Vent (D) before opening valve (G) on the Dirty Flow to the Filter Pot Mini.
42. The pressure/temperature gauge will now register.
43. Replace the Insulation Jacket lid over the lid of the Filter Pot Mini.
44. The system water will now flow through the Filter Pot Mini and filter the system water.



**The unit is under pressure!**  
**Risk of potential scalding in heating systems.**  
**Wear appropriate PPE.**

