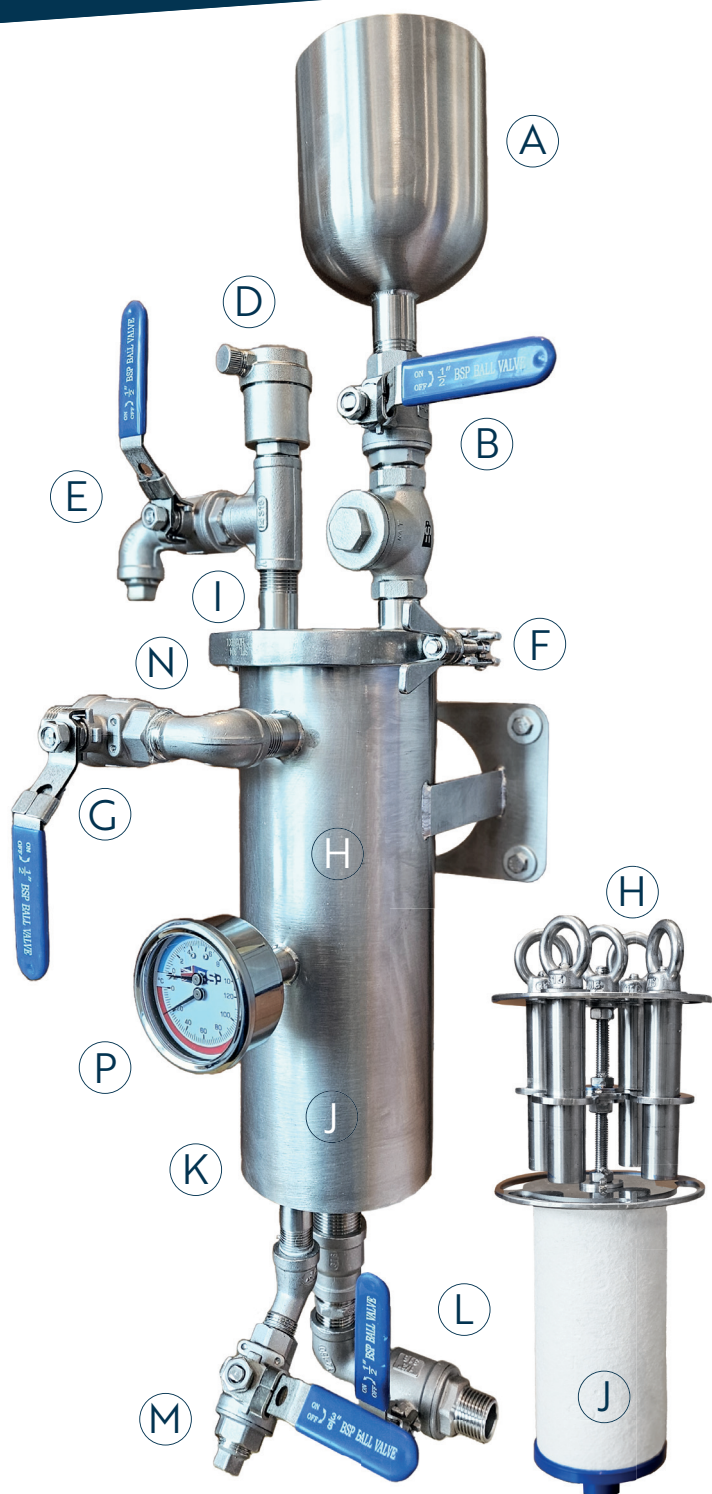


FILTER POT *micro*

Operating Instructions



To fill a system via the Filter Pot micro in order to remove potential Bacterial and minute contamination particles from entering the system from the incoming CWS.

1. Once the main system pipework is complete, the Filter Pot micro can be used to fill the system by installing a 0.5micron Cartridge Filter (J) supplied with the unit, and the Magnet Carousel (incl Magnet Bars) (H) within the Vessel Body (K).
2. Close valves (M), (E), (B), (G) and (L).
3. Connect a temporary incoming CWS connection to 3/8" valve (M). This will be used as the temporary System Fill point. Make sure that any installation complies with any local Water Regulation By-Laws.
4. Carefully loosen the 1No Lid Locking Bolt (F) on the Vessel Lid Retaining Hinge Clamp (N).
5. Remove the Vessel Lid Retaining Hinge Clamp (N).
6. The Vessel Lid (I) can now be removed and placed on a clean / dry surface. Ensure the gasket is located and clean.
7. Locate the 0.5micron Cartridge Filter (J) over the spigot on the underside of the Magnet Carousel (H). Magnet Bars should NOT be located in the Magnet Carousel (H) at this point.
8. Lower the Magnet Carousel (H) including the Cartridge Filter (J) into the vessel body and locate the spigot on the bottom of the Cartridge Filter (J) into the Clean Return outlet in the bottom of the Vessel Body (K).
9. Install the 4No Magnet Bars vertically into the Magnet Carousel (H) and locate by pushing down.
10. Replace the Vessel Lid (I) as instructions 4-6 above but now in reverse, ensuring that the gasket is positioned and installed correctly. Re-assemble Lid Hinge Clamp (N) and tighten the Lid Locking Bolt (F).
11. To fill the system, open valve (M), this will now let the water into the Vessel Body (K). Then open the Clean Return Valve (L). Any contaminants in the water supply will be captured by either the Magnet Bars located in the Magnet Carousel (H) or the 0.5micron Cartridge Filter (J). Any Bacteria entering the Vessel Body (K) within the water will be captured by the 0.5micron Cartridge Filter (J). Any 'Free Air' will also escape via the Automatic Air Vent (D).
12. Once filling is complete, close valve (M) and the Clean Return Valve (L), disconnect the temporary incoming CWS connection to valve (M).
13. Valve (M) will now be used as a dedicated Drain Valve (M) for the draining of the Vessel Body (K) when in operation mode.



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



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 micro from the system.
15. Remove the Insulation Jacket lid from the lid of the Filter Pot micro.
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 (P) to confirm the pressure is 0Bar.
19. Close valve (M).
20. Carefully loosen the 1No Lid Locking Bolt (F) on the Vessel Lid Retaining Hinge Clamp (N).
21. Remove the Vessel Lid Retaining Hinge Clamp (N).
22. The Vessel Lid (I) can now be removed and placed on a clean/dry surface. Ensure the gasket is located and clean.
23. Remove the Magnet Carousel (H), 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 2.1 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 micro.
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 micro.

To clean and replace replace the Magnet Carousel and Cartridge Filter

32. Carry out the actions from 14 to 23 as adjacent.
33. Remove the old dirty Cartridge Filter (J).
34. Remove a Magnet Bar vertically from the Magnet Carousel (H). Most of the dirt will be scraped from the Magnet Bar. Then wipe clean any residual dirt from the Magnet Bar and place onto a clean surface. Repeat another 3 times until all of the Magnet Bars are clean.
35. Wash the Magnet Carousel (H) under a cold water tap or in a bucket and wipe clean until all spoil has been removed.
36. Install a new Cartridge Filter (J) over the spigot on the underside of the Magnet Carousel (H). The Magnet Bars should NOT be located in the Magnet Carousel (H) at this point.
37. Lower the Magnet Carousel (H) including the new Cartridge Filter (J) into the Vessel Body (K) and locate the spigot on the bottom of the Cartridge Filter into the Clean Return outlet in the bottom of the Vessel Body (K).
38. Install the 4No Magnet Bars vertically into the Magnet Carousel (H) and locate by pushing down.
39. Replace the Vessel Lid (I) as instructions 4-6 above, but now in reverse, ensuring that the gasket is positioned and installed correctly. Re-assemble Lid Hinge Clamp (N) and tighten.
40. 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 micro.
41. The Pressure/Temperature Gauge (P) will now register.
42. Check for any leaks. Replace the Insulation Jacket lid over the lid of the Filter Pot micro.
43. The system water will now flow through the Filter Pot micro and will filter the system water.



For replacement cartridge filters please scan the QR code or visit: www.bsp.world



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