

HBA 12 & 14 Retrofitting the MAVEA Purity C Water Filter Kit (p/n 1216062.141)

IMPORTANT:

1. Before starting the installation ensure that machine is isolated from the electrical supply, **remove the power cord from the outlet**, and **shut OFF the water supply**.

2. The heater tank must be cleared of all calcium/lime scale and the hot water delivery valve seals & seats must be de-scaled/cleaned prior to activating the MAVEA Purity C water treatment system. The system is designed prevent scale from forming, but it will not remove scale already formed.

Note: For advice on how to de-scale the heater tank please contact Vendnet (800-833-4411)

Parts in each Kit (1216062.141):

- 1 x 4217894 – Instructions – Retrofitting Purity C-150
- 1 x 4217657 – MAVEA Purity C head (Cartridge Holder) & Mounting Bracket
- 1 x 4217655 – MAVEA Purity C size 150 Cartridge
- 1 x 4217658 – Temporary Hardness Kit
- 1 x 4217855 – Instructions – Water Hardness Kit
- 2 x 4217648 – 3/8 x 3/8 FIP Brass Elbow
- 3 x 4215233 – Hose Adaptor MIP 3/8 x 3/8
- 1 x 4215205 – Hose Adaptor FIP 3/8 x 3/8
- 4 x 4215529 – 5/8" Hose Clamp
- 2.5ft x 4215517 – 3/8 x 5/8 OD Silicon Braid Hose
- 2 x 7200468.001 – #10-12 x 1" ST Philips Screw

Tools/materials required:

No. 2 Philips Screwdriver
11/16" Wrench
5/8" Wrench
Adjustable Wrench
All Purpose end cutter tool

Teflon Thread Sealing tape
Cordless Drill
9/64" Drill Bit
Metal shears/hacksaw
Keyhole saw or similar

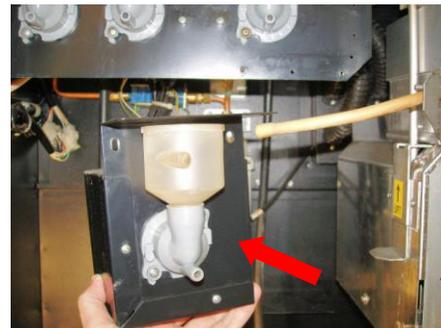
Procedure:

IMPORTANT: Read through all the steps before proceeding

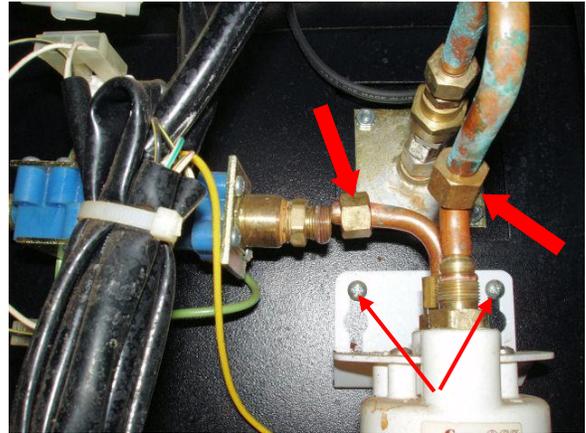
1. Remove both the delivery spout holder bracket & the Mixing Bowl Module to gain good access to the water inlet assembly

Remove both of the waste buckets from the cabinet and retain

Remove the plastic shelf and retain



2. Undo the 2 nuts shown and then undo & remove the 2 screws securing the filter head mounting bracket and remove the filter assembly.



3. Remove the 4 x Nuts/Bolts securing the bulkhead fitting (a second pair of hands is recommended to do this)



4. Remove the brass fitting that screws into the first stage of the Stainless Steel Check Valve as shown using the 11/16" wrench



5. Wrap 5 turns of the Teflon tape around the 3/8" threads of stainless steel check valve fitting.

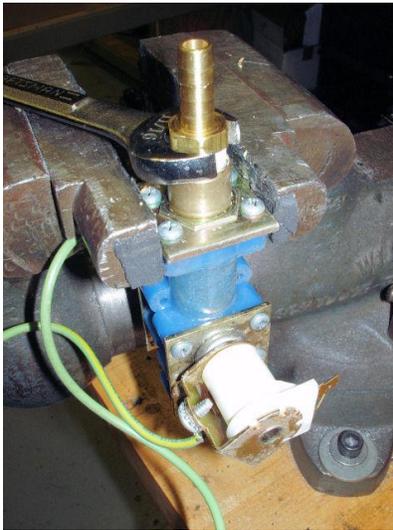
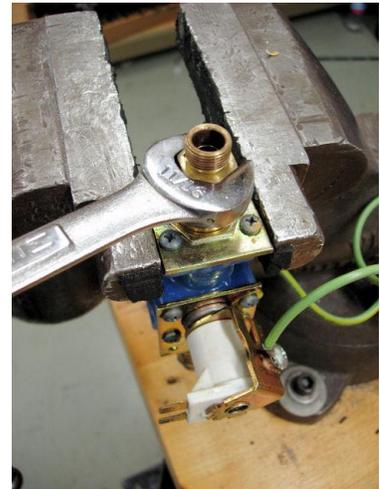
Then screw-on the 4215205 – Hose Adaptor FIP 3/8 x 3/8 and secure

Re-fit the bulkhead water inlet assembly to the cabinet back (once again a second pair of hands is recommended to do this)

6. Remove the ground leads of the inlet valve solenoid coils by undoing the single screw on the cabinet back

Then using the combination of the 11/16" & 5/8" wrenches undo the nut securing the inlet valve assembly to the copper pipe and remove the valve assembly

With the aid of a vice remove and discard the brass adaptor from the valve inlet

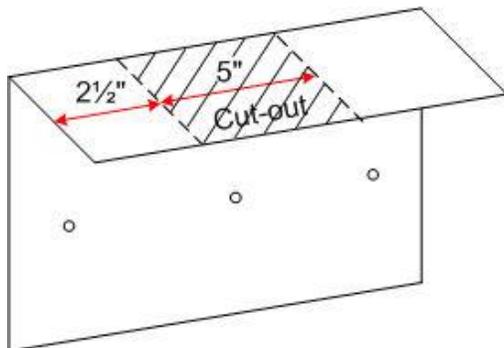


7. Apply 5 turns of Teflon thread sealing tape to one of the 4215233 – Hose Barb Adaptors (MIP 3/8" x 3/8")

Screw this into the inlet fitting of the valve and secure

Re-fit the inlet valve assembly onto the 3/8" copper pipe and secure

8. Remove the 3 x #8 fixing screws retaining the plastic shelf support bracket from the ball wall of the cabinet

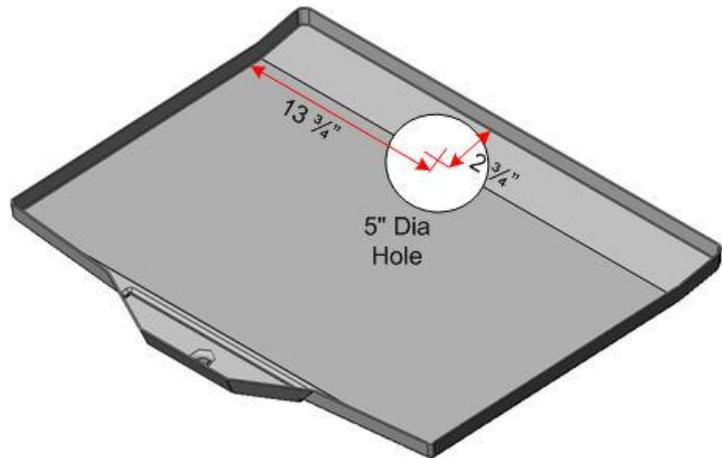


9. Cut-out the section as shown to allow the filter cartridge to pass through the shelf

Note: Remove any sharp edges

Refit the bracket using the 3 original fixing screws

10. Cut a 5" diameter hole in the plastic shelf using a keyhole saw or similar in the position shown



11. Locate the 2 x fixing holes in the cabinet back wall used for mounting the original filter head; mark 1 new hole position 3" vertically down from the existing right-hand hole. Drill a 9/64" hole
Mount the new Purity head using one of the 7200468.001 – #10 x 1" ST Philips Screws and tighten such that the mounting bracket is horizontal. Using the mounting bracket as a drill guide, drill the 2nd 9/64" at the top of the left hand slot of the mounting bracket
Screw in the 2nd 7200468.001 – #10 x 1" ST Philips Screw and secure the mounting bracket

12. Apply 5 turns of Teflon thread sealing tape to the 3/8" inlet/outlet fittings of the Purity C filter head
Fit a 3/8" brass equal elbow onto to each of the inlet/outlet fittings of the filter head
Apply 5 turns of Teflon thread sealing tape to the remaining 2 x 4215233 – Hose Adaptor MIP 3/8 x 3/8 brass fittings
Fit a Hose Barb Adaptor into each of the 3/8" brass equal elbows

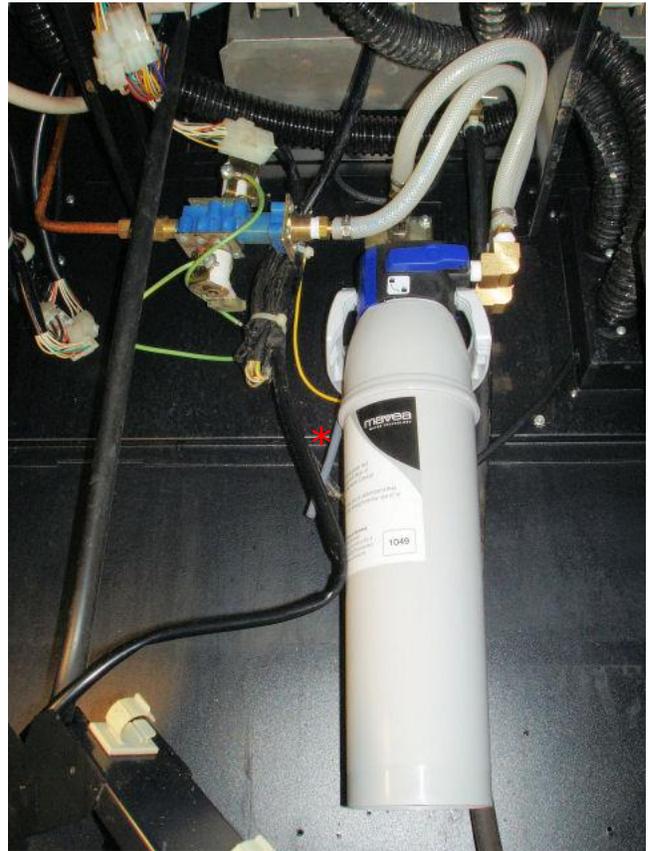


13. Cut the 2ft 6in length of braided silicon tubing in half into two equal 15" lengths
Slide a 5/8" Hose Clamp onto each end of the silicon tubes, 1/4" from the end of each of the 4 ends
Push one end of each tube onto the inlet/outlet hose barb and crimp the clamps using the all-purpose end cutter tool to secure

14. Spread the arms of the filter head mounting bracket and mount the head in the location shown (contrary to the photo DO NOT FIT THE CARTRIDGE YET)

Push the silicon tube from the front fitting (inlet) of the filter head onto the barb connector on the cabinet back wall bulkhead fitting and **crimp** to secure

Push the silicon tube from the back fitting (outlet) of the filter head onto the barb fitting on the entry of the inlet valve and **crimp** to secure



15. Re-fit the plastic shelf

16. Fit the filter cartridge by passing the base of the cartridge through the floor panel, then lift the cartridge to engage/lock the top into the head (see the Purity C instructions for further details), rotate the blue locking handles on the filter head in a clockwise direction to lock the cartridge into place and turn the water valve ON

17. Re-fit the delivery spout holder bracket, the Mixing Bowl Module and the 2 waste buckets removed in step 1

18. Re-connect the power cord and turn ON the water supply to fill & reheat the heater tank and also check for leaks

19. **Remember** to purge a pint of water through the grey tube (see in photo above *) to remove all the air and carbon dust from the filter unit by pressing the gray button on the top surface of the filter head