

# Water Manager Model BW/HC Installation & Operating Instructions

## APPLICATION & DESIGN

Ammark Water Manager Model BW/HC is designed for application in potable water systems for sediment removal. Water Manager filters are not intended for health-effect treatment of water supply. Install only with Ammark Water Manager universal flange kit WMF.40 or WMF.50.

- ≠ Operating Medium: Potable Water
- ≠ Min Inlet Pressure: 28.5 psi
- ≠ Max Inlet Pressure: 225 psi
- ≠ Max Water Temp : 86 °F
- ≠ Screen Size: 20 microns
- ≠ Max Flow / 1½": 44 gpm - 3 psi Δp
- ≠ Max Flow / 2": 52 gpm - 3 psi Δp



## FLANGE INSTALLATION

Each flange kit is supplied with a flange, two nuts, two tailpieces and two sealing rings. The flange may be installed in horizontal or vertical pipe runs (figure 1) with flow in the direction of the raised arrow marked on the flange. The flange should be installed so that it is free of stress. For proper operation and maintenance of the Water Manager Filter, it is important to install isolating valves on either side of the flange.

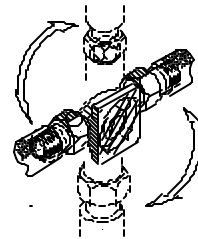


Figure 1

The flange kit is assembled with the sealing rings between the union tailpiece and flange body. No other method of sealing should be used or is required between the tailpiece and the flange body. Observe the minimum distance of 3" between the center pipe of the flange and nearby wall and 24" between the center pipe of the flange and the floor. Make sure that the flange is mounted with its face completely vertical (parallel to the wall) (figure 2).

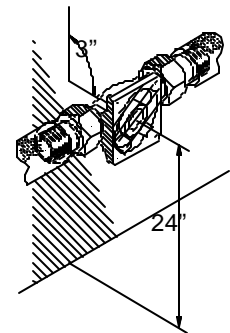


Figure 2

## FILTER INSTALLATION

Each BW/HC is supplied with an inlet and outlet pressure gauge, four set screws to secure the filter to the flange, a gasket to seal the filter/flange connection, and a combination tool, which is used to tighten the set screws.

After installing the flange, rinse the pipe thoroughly (figure 3).

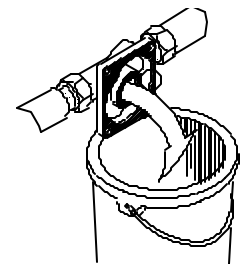


Figure 3

- ≠ DO NOT EXPOSE THE FILTER BODY TO FREEZING, CHEMICALS, DYES, OR SOLVENTS.
- ≠ INSTALL FLANGE WITH FLOW AS INDICATED BY RAISED ARROW.
- ≠ DO NOT INSTALL IN AREAS EXPOSED TO DIRECT SUNLIGHT.
- ≠ BACKWASH OFTEN!

**FILTER  
INSTALLATION  
(continued)**

The filter must be installed vertically with the filter bowl at the bottom. Attach the filter body to the flange with the gasket between the filter body and the flange. Use the combination tool to tighten the set screws in a diagonal sequence (figure 4) to help insure that the filter is seated properly and the joint between filter and flange is sealed pressure-tight.

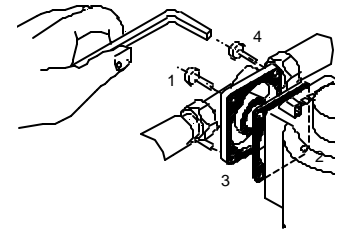


Figure 4

Install the pressure gauges on the flange. Make sure that the ball valve is in the “Operation” position. Open the isolating valves to allow flow and observe the filter under pressure to make sure all joints are sealed correctly. The handle of the ball valve is equipped with an electronic timer to indicate that the maintenance (backwash) function should be performed. Remove the small slip of paper from the ball valve’s handle to activate the timer. The LED will flash twice to indicate that the timer is operating.

**FILTER  
MAINTENANCE**

The backwash valve may be connected to a drain or laundry tray by tube or waste pipe.

Backwash the filter at least once every four weeks (more often in systems with large amounts of sand and sediment). As a reminder, the LED built into the handle will flash to indicate that 60 days have elapsed since the last reset. A decrease in flow rate is an indication that the backwash procedure is required, however to maintain the filter in top operating order, do not wait for substantial flow reduction before performing the backwash function.

Backwash the filter as follows:

- ⌘ Slowly rotate the activation handle from the “Operation” position to the “Backwash” position (figure 6). After a few seconds rotate the handle back to the “Operation” position.
- ⌘ Repeat this procedure twice (more in cases of heavier sediment deposits).
- ⌘ At completion, make sure the handle is in the “Operation” position.
- ⌘ Reset the timer by pressing the red button on the handle. The LED will flash twice to indicate reset. If the LED flashes 20 times after pressing the reset, battery replacement is required (figure 7).

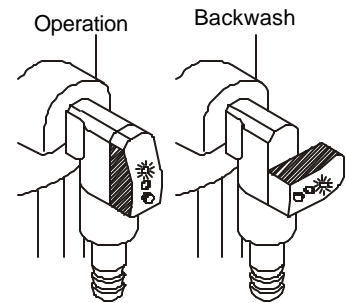


Figure 6

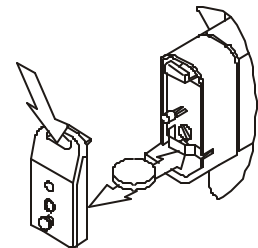


Figure 7

*Backwash often to  
ensure a long life for  
your filter!*

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CORPORATION