Water Manager Model SF-MINI
Installation & Operating Instructions

APPLICATION and DESIGN

Ammark Water Manager Model SF-MINI Filter is designed to remove sediment from potable water systems. Install to guard piping, fixtures and appliances from sediment damage and to reduce maintenance requirements for other water treatment equipment.

The SF-MINI may be used singularly at point-of-entry, or as a pre-filter for other water treatment systems such as the Ammark Water Manager Models BW and BW-PRV point-of-entry backwashing filters, and/or water softening or purification systems. The SF-MINI may also be used as an in-line sediment filter for household appliances.

Water Manager filters are not intended for health-effect treatment of water supply. Install only with Ammark Water Manager universal flange kit.

- ✍ Operating Medium: Potable Water
- ✍ Min Inlet Pressure: 28.5 psi
- ✍ Max Inlet Pressure: 225 psi
- ✍ Max Water Temp: 86 ºF
- ✍ Screen Size: 100 microns
- ✍ Max Flow: 17.5 gpm @ 2.8 psi dP

INCLUDED IN THIS PACKAGE

Included with the SF-MINI filter:
- ✍ Installation / Operating Instructions
- ✍ One 100 micron filter cartridge
- ✍ Drain Valve
- ✍ Installation kit: hex tool (attached to filter), gasket, and four set screws to attach filter to universal flange.

FLANGE and FILTER 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.

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 2" between the center pipe of the flange and nearby wall and 10" between the center pipe of the flange and the floor (or 16" if also installing Ammark Models BW or BW/PRV) (Figure 2). The transparent adhesive label, which protects the sealing surface, should remain attached to the flange until final assembly.
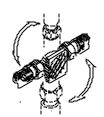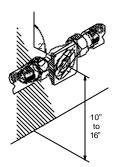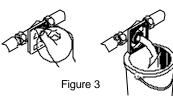

Figure 1

10"
to
16"

Figure 2

ammark
CORPORATION ®

Ammark Corporation, 230 West Parkway, Unit 12, Pompton Plains NJ 07444
973-616-2555 FAX: 973-616-0246   Email: sales@ammarkcorp.com
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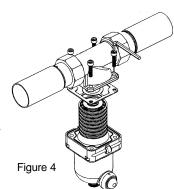| **FLANGE and FILTER INSTALLATION (cont'd)** | Remove the plastic plug on the bottom of the filter, and replace it with the flushing valve, ensuring the control will be accessible after the filter is installed. (Note: If you do not wish to use the flushing valve, the plug may remain in place and the filter will still operate.)

Remove the adhesive label from the flange and rinse the pipe thoroughly (Figure 3). The filter must be installed vertically with the filter's flushing drain valve at the bottom. Attach the filter body to the flange with the gasket between the filter body and the flange.

Figure 3

Use the combination tool attached to the filter 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.

Make sure that the flushing valve is in the closed position. Open the isolating valves to allow flow and observe the filter under pressure to make sure all joints are sealed correctly. Place a container under the filter, and test the flushing valve connection by opening it for about 5 seconds.

Figure 4 |
| **FILTER MAINTENANCE** | Flush the filter using the valve on the bottom of the filter about once every two to three weeks (more often in systems with large amounts of sand and sediment). The filter housing is equipped with a red button on the front as a differential pressure display that indicates that filter flushing or replacement should be performed. A decrease in flow rate is an indication that the flushing procedure is required; however to maintain the filter in top operating order, do not wait for substantial flow reduction before performing the flush operation or cartridge replacement.

Flush the filter as follows:

✇ Connect a drain hose to the hose connection or position a container under the drain valve.
✇ Slowly rotate the valve handle to open the valve and flush the cartridge. Let the filter flush for about 10 seconds.
✇ Repeat this procedure twice (more in cases of heavier sediment deposits).
✇ At completion, make sure the valve handle is back in the closed position.
✇ If, after flushing the filter the red button on the front of the filter (differential pressure display) remains indicated, it is time to replace the filter cartridge. Normal usage would require replacement of the cartridge after about every 10th flush, or 2-3 times per year.

Replace the filter cartridge (Ammark Part number MINFC100) as follows:

✇ Close the isolating valves on either side of the filter.
✇ Using the hex tool, remove the connecting nuts from the flange.
✇ Remove the filter housing from the flange.
✇ Remove the cartridge from the filter housing, rince the housing with cold water to remove any sediment, and insert a new filter cartridge.
✇ Replace the filter housing onto the flange, as described in installation directions above.
✇ Open the isolating valves and inspect for leaks.
✇ Observe the red button on the front of the filter to ensure it is no longer indicated.

✇ **DO NOT EXPOSE THE FILTER BODY TO FREEZING, CHEMICALS, DYES, OR SOLVENTS.**
✇ **CLEAN WITH COLD WATER ONLY.**
✇ **DO NOT INSTALL IN AREAS EXPOSED TO DIRECT SUNLIGHT.**
✇ **FLUSH SYSTEM OFTEN TO ENSURE A LONG LIFE FOR YOUR FILTER!** |