

Aqua-Pure®

Spec # _____

Quantity _____

Models:

APIF100 / APIF150 / APIF200 / APIF300 / APIF100M / APIF150M / APIF200M / APIF300M / APIF300M / APIF100DM / APIF150DM / APIF200DM / APIF300DM / APIF100MDM / APIF150MDM / APIF200MDM

Iron and Manganese Reduction Systems

Applications:

- High Iron
- Manganese
- Adjust pH
- Hydrogen Sulfide Gas Reduction

At a Glance:

- Chemical Free Oxidation of Iron
- Bypass Valve
- Manganese Reduction (M Series)



APIF200

Product Benefits:

- Premium water-efficient control valve manufactured from composite materials and designed to provide high flow rates over a wide range of applications. Provides long-lasting operation and is fully adjustable, allowing maximum flexibility for specific water conditions and usage patterns
- Chemical free process to reduce precipitated, ferrous (dissolved) or bacterial iron by air induction; provides cost-efficient operation and eliminates the use of harsh chemicals
- Media blend provides excellent depth filtration of precipitated iron while increasing pH to enhance iron reduction
- Bypass valve with state-of-the-art design features — Full flow bypass valve which incorporates four positions, including a diagnostic position that allows service personnel to work on a pressurized system, while still providing untreated bypass water to the residence. Its completely non-metallic, all-plastic design allows for easy access and serviceability without the need for tools
- New dome hole versions available, designed for easier media replacement

Product Specifications:

Model*	Media ¹ (Cu. Ft.)	Nominal Capacity ppm-gal	Flow Rates ² gpm (lpm)		System Height	System Diameter	Approximate Shipping Weight
			Service	Backwash ³			
APIF100 / APIF100M / APIF100DM / APIF100MDM	1.0	30,000	6 (22.7)	5.3 (20.1)	53" (135 cm)	10" (26 cm)	143 lbs (64.9 kg)
APIF150 / APIF150M / APIF150DM / APIF150MDM	1.5	45,000	7 (26.5)	5.3 (20.1)	63" (160 cm)	10" (26 cm)	186 lbs (84.4 kg)
APIF200 / APIF200M / APIF200DM / APIF200MDM	2.0	60,000	9 (34.1)	7.5 (28.4)	63" (160 cm)	12" (30 cm)	257 lbs (116.6 kg)
APIF300 / APIF300M / APIF300DM / APIF300MDM	3.0	90,000	12 (45.4)	10 (37.9)	74" (188 cm)	14" (36 cm)	353 lbs (160.2 kg)

NOTES:

1. Replenishment of pH adjusting component of media may be required periodically, the frequency of which is dependant on raw water pH, manganese concentration and water consumption rate. Consult dealer for more information.
2. For satisfactory performance, indicated flow rates should not be exceeded. Flow rates are adequate for normal residential applications. Do not use Service rates when sizing commercial applications or if treated water is to supply a geothermal heat pump, swimming pool, etc.). Contact dealer before selecting equipment.
3. For system to operate properly, pumping rate of well pump MUST be sufficient to backwash unit at rate specified.
4. Pipe Size is 1" (2.5 cm).
5. If used to reduce hydrogen sulfide gas an air to water pressure tank must be included in the water system set up.

* The "M" in the Model Number indicates Manganese



Spec # _____

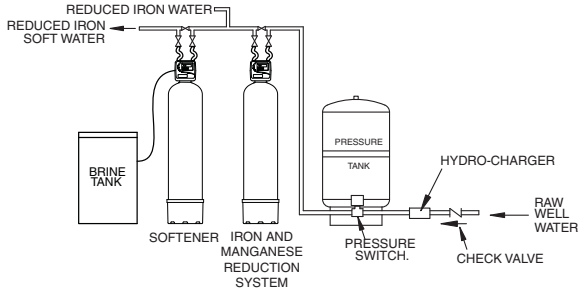
Quantity _____

Model Number _____

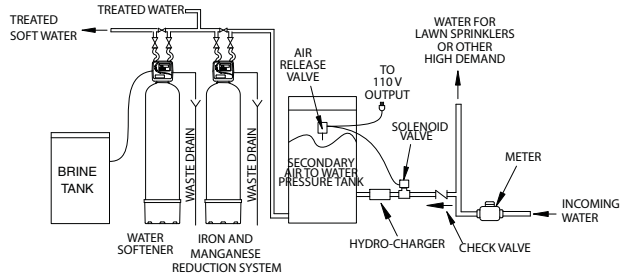
Part Number _____

Typical Installation:

WELL INSTALLATION



PUBLIC WATER SUPPLY INSTALLATION



CAUTION: These diagrams are for reference purposes only. Prior to installing unit, please read, understand, and follow Installation and Use instructions. Failure to install, operate and maintain this system properly may result in property damage due to water leakage and will void warranty.

Limited Warranty:

3M Purification Inc. warrants this Product to be free from defects in material and workmanship during normal use for the warranty period set forth below. The warranty period commences from the date of purchase. This warranty does not cover failures resulting from abuse, misuse, alteration or damage not caused by 3M Purification Inc. or failure to follow installation and use instructions. No warranty is given as to the service life of any filter cartridge, membrane, or media as it will vary with local water conditions and water consumption. **3M PURIFICATION INC. MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOMER OR USAGE OF TRADE.** If the Product is found defective within the warranty period, your exclusive remedy and 3M Purification Inc.'s sole obligation shall be, at 3M Purification Inc.'s option, to replace or repair the Product or refund the purchase price of the Product. This warranty does not cover labor. **The remedy stated in this paragraph is Customer's sole remedy and 3M Purification Inc.'s exclusive obligation.**

Warranty Period: One (1) year on the entire product unit; Five (5) years on the media tank only (does not include internal component parts); Five (5) years on the control valve; and Five (5) years on salt storage container and components*

For additional information, see the entire Limited Warranty located in the product Installation and Operating Instruction manual.

Limitation of Liability: 3M Purification Inc. will not be liable for any loss or damage arising from this 3M Purification Inc. product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

* Water Softeners only

Distributed by:



3M Purification Inc.
 400 Research Parkway
 Meriden, CT 06450 U.S.A.
 Toll Free: 1.800.222.7880
 Worldwide: 203.237.5541
 Fax: 203.238.8701
 www.aquapure.com • www.3mpurification.com

3M is a trademark of 3M Company.
 Aqua-Pure is a trademark of 3M Company used under license.
 All other trademarks are the property of their respective owners.
 © 2013 3M Company. All rights reserved.
 70020238856 REV 0313