

MICROGUARD SERIES WATER SYSTEMS



Single System
W/O Post Filter



Twin System
W/O Post Filter



Single System



Triple System



Twin System



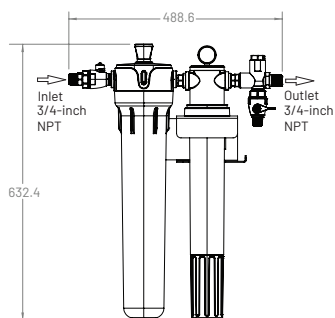
Quad System

SELECTING A MOUNTING LOCATION

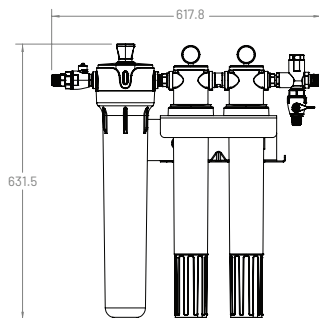
1. Give consideration to the weight of the unit when operating (filled with water).
Operating weights of the MICROGUARD systems are:
 - Single - 15.5 kg
 - Twin - 18.5 kg
 - Triple - 21.5 kg
 - Quad - 24.5 kg
 - Single W/O Post Filter - 13.1 kg
 - Twin W/O Post Filter - 16.1 kg
2. The location should allow for:
 - Minimum clearance of 10.0 cm under the cartridge(s) so it can be lowered for removal and replacement.
 - Adequate space for "in" and "out" water line connections.
3. If used in conjunction with the MICROGUARD Feeder, the Feeder should be mounted after the Series Filter and as near the equipment as possible.
If possible, keep at least 15.2 cm available to the left and the right of the head.

WARNING: Do not use the other cartridge in conjunction with the MICROGUARD Feeder.

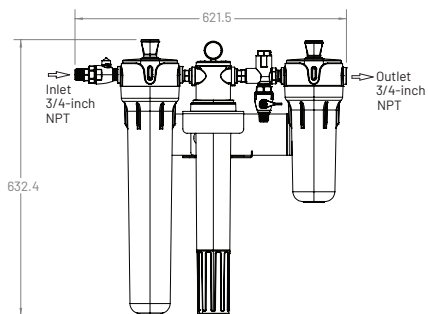
DIMENSIONS



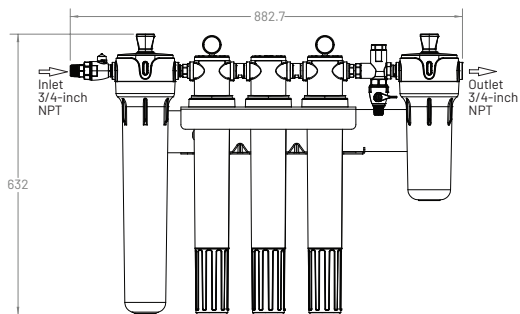
Single System
W/O Post Filter



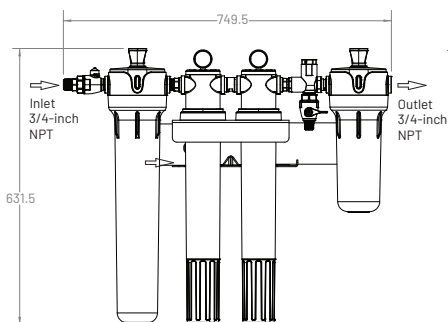
Twin System
W/O Post Filter



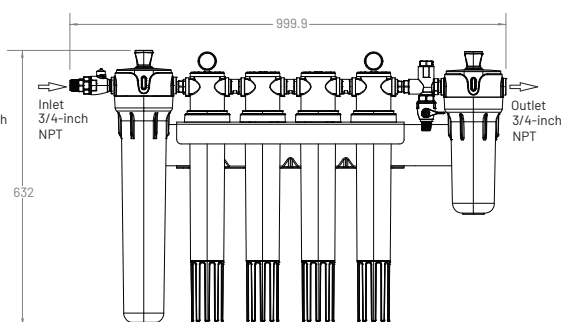
Single System



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OPERATING SPECIFICATIONS*

MICROGUARD Model Name	Flow Rate	Capacity	Replacement Cartridges
Single - MF1-MG-05-S	9.46 Lpm(2.5GPM)	113,550 L (30,000Gallons)	ACF5-MG
Twin - MF2-MG-05-S	9.46 Lpm(2.5GPM)	227,100 L (60,000Gallons)	ACF5-MG
Triple - MF3-MG-05-S	9.46 Lpm(2.5GPM)	340,650 L (90,000Gallons)	ACF5-MG
Quad - MF4-MG-05-S	9.46 Lpm(2.5GPM)	454,200 L (120,000Gallons)	ACF5-MG
Single - MF1-MG-05-S (w/o post filter)	9.46 Lpm(2.5GPM)	113,550 L (30,000Gallons)	ACF5-MG
Twin - MF2-MG-05-S (w/o post filter)	9.46 Lpm(2.5GPM)	227,100 L (60,000Gallons)	ACF5-MG

*For individual cartridge specifications, refer to cartridge literature.

Temperature: 5 – 38°C (41 – 100°F)

Working Pressure: 1.4 – 7.0 bar (20.3 – 101.5 psi), non-shock

For cold water use only.

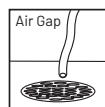
INSTALLATION

1. Use the pre-drilled mounting holes in the manifold bracket as guides. Mark and drill anchor holes. Mount securely.
2. Shut off power to machine.
3. Connect outlet port of MICROGUARD unit to equipment served. Always use an approved pipe dope or plumber tape at all connections. Use a backup wrench on all fittings while connecting to avoid excessive stress on the system components.

NOTE: If the optional MICROGUARD Series Filter is used, install a manual shut-off valve leading to the system for servicing.

4. Connect minimum 3/4-inch water line to inlet side of MICROGUARD single.
5. The cross fitting has a flushing valve installed on the bottom. Connect tubing to the flushing valve and run to drain.

NOTE: Some municipal plumbing codes and good sanitary practices require an air gap at the drain termination point.



6. Install the cartridge(s) into the MICROGUARD head(s) following directions on the cartridge label or as shown in the Cartridge Change illustrations.
7. Turn on water to filter and check for leaks.
8. Flush the cartridge by running water through at full force for 30 minutes. This will set the filtering media and purge air and fines, insuring maximum filter life.
9. After flushing, close the flushing valve and turn on power to equipment and plug the LPA (if so equipped) into the electrical outlet.

FLUSHING

For maximum life, all carbon filter cartridges must be flushed for 30 minutes at full flow before use.

ALL NEW CARTRIDGES MUST BE FLUSHED AFTER EACH CARTRIDGE CHANGE BEFORE BEING PUT INTO SERVICE!

If the cartridges are new, have been properly flushed and both needle and follower register inadequate pressure, you may be experiencing inadequate water pressure or some restriction may exist in the inlet water line. In either case, the incoming water pressure must be improved to receive optimum filter life.

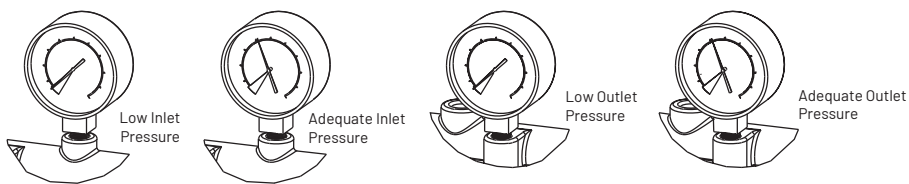
COMPLETE CARTRIDGE CHANGE INSTRUCTIONS CAN BE FOUND ON THE FILTER CARTRIDGE LABEL.

NOTES

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

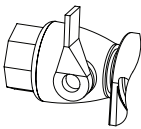

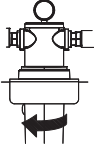
The term ‘bacteriostatic’ indicates that the system limits the passage or growth of bacteria that may already exist in the incoming water. It does not mean that the water leaving the system is safer to drink than the water entering the system.

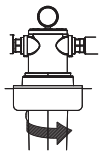
PRESSURE GAUGES



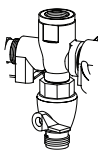
CARTRIDGE CHANGE PROCEDURE

Replace cartridges when capacity is reached, or when flow becomes inadequate, but at least annually. All cartridges on multiple cartridge systems should be changed at the same time.

 <p>MICROGUARD Carbon Filter Cartridge Change</p> <p>1. Shut off inlet water ahead of system.</p>	 <p>2. Open flushing valve to relieve pressure.</p> <p>3. Hold head firmly and push upward. Turn cartridge to left until it stops.</p>	 <p>4. Pull cartridge downward and out of head.</p> <p>5. Hold head firmly. Align cartridge lug with label. Insert new cartridge firmly into head.</p>
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6. Turn cartridge right 90° until rotation stops.
7. Repeat steps 3-6 for remaining cartridges.



Flushing

8. With flushing valve fully open, open inlet water at full force for 30 minutes. Close flushing valve.

MICROGUARD

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