1672 Main St Suite E312
Ramona, CA 92065 USA
Website: www.raindancewatersystems.com
Online Store: www.raindanceh2ostore.com
Ph: 877-788-8387 | Ph: 760-788-8387
accounts@raindancewatersystems.com

Iron Max Well Water Series

QUICK INSTALL GUIDE

Appearances may vary.

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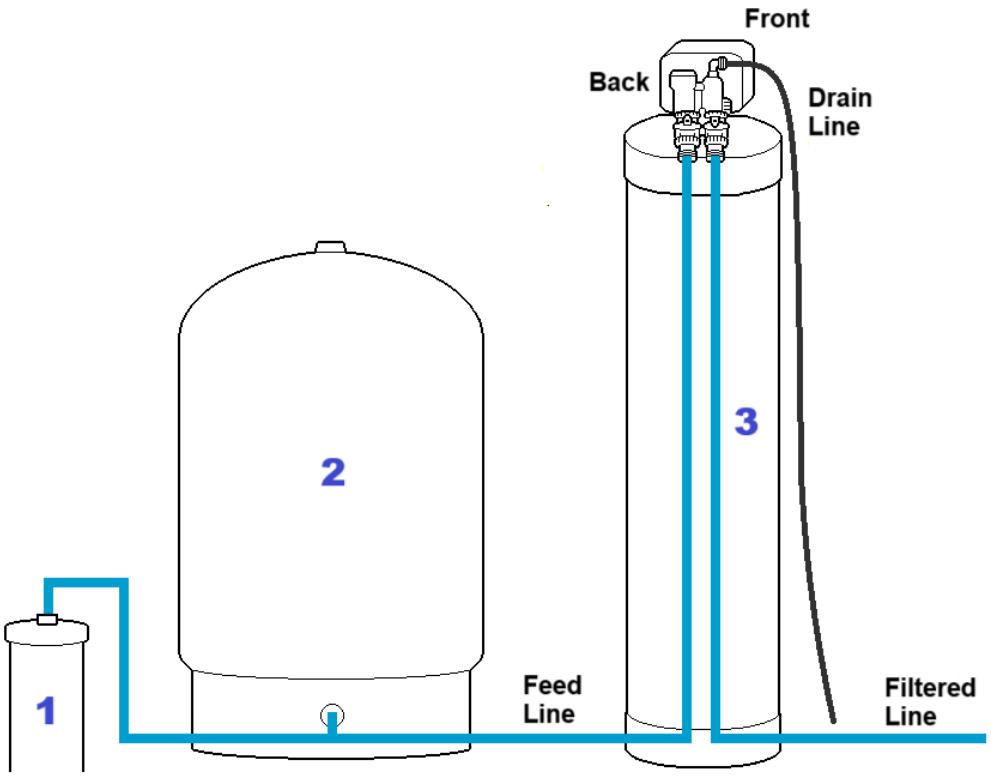
How The Iron Max Works

Unfiltered water flows into the system through the valve and down into the filtration media. As water passes through the media the contaminants are trapped within the media bed. Water is then forced into the center distributor tube and up through the valve, where filtered water flows into the plumbing system. When a backwash cycle is initiated the valve will send water down the center distributor tube and up through the media bed. This lifts and washes the media of trapped contaminants, flushing the water out through the drain line.



**Figures not drawn to scale. Image should be used for flow description only.*

1. **Well:** Contains untreated ground water.

2. **Pressure Tank:** Collects and pressurizes well water. Provides pressurized water to the Iron Max for effective backwashing.

3. **Iron Max:** Filters well water contaminants. Requires only 3 simple install ports – Inlet, Outlet, and Drain Line.

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Iron Max Quick Install Steps

Filter Setup:

1. Model sizes up to 13” diameter tanks are shipped preloaded with media and distributor tube already assembled for quicker installation. Model sizes with 14” diameter tanks and above are shipped with tank, media, and tube separate for ease of maneuverability.
2. These systems must be installed on a pressurized water line to ensure even pressure. Place the unit where you want to install on a level and firm base. The unit should be located near a convenient drain and approved electrical outlet.
3. For filters with 14”+ tank sizes, set the distributor tube in the tank and load each bag of media slowly into the tank. Once the media is loaded the system will be heavy so it should be located near the installation site before loading.
4. Ensure the distributor tube is centered and flush with the top of the tank. Lubricate the control valve o-ring seal and place the valve on the tank, spinning without force until the valve stops. Then turn the valve between ¼ turn and ½ turn for a snug fit.

Plumbing:

5. Filter Install: Turn off the main water supply and drain the plumbing by opening several taps until water flow stops. Cut away a section of the existing plumbing and install the appropriate pipe to connect to the Inlet/Outlet on the control valve. Perform all plumbing according to local plumbing codes.
6. Bypass Install: A control valve bypass is included with most models for ease of servicing. If a bypass was not included install a 3-valve bypass with unions to allow access to unfiltered water while the system is serviced.
7. Test Ports Install: The installation of water test ports are recommended to easily test the filter performance. Standard garden hose bibs or shut-off valves can be used. Install one bib or valve on the inlet water line nearby the system and install one bib or valve on the outlet water line after the system.
8. Drain Line Install: Install pipe or tubing on the Drain port and secure the end to the drain source.

Startup:

9. Use the bypass knobs to place the system in bypass. Open a cold water tap then slowly turn on the main water supply to flush the new plumbing and check for leaks. Turn off the tap and use the bypass knobs to place the system in service and allow water to fill the filter tank. When the water flow stops slowly turn on a cold water tap to purge air in the new pipe lines then turn off the tap. Check for any leaks along the way.
10. Plug in the control valve. Program the valve and run a manual backwash by pressing the first button on the control valve. After backwashing the system will be ready to use.