



I-SERIES

IRON REMOVAL FILTRATION SYSTEM

MEDIA LOADING & START-UP SHEET

Upon Arrival

- ✔ Visually Inspect System.
- ✔ Pressurized Areas Like: Fill Ports, Drain Ports & Manifolds are **Critical**.
- ✔ Bolts & Grooved Couplings Should Be Tight & Secure To Prevent Leaks.

SCAN FOR MORE DETAILS





1. Filtration System Fill Ports & Manways



2. Assembly Process

- ✓ Remove Top Media Fill Ports, Grooved Couplings & Gaskets From Each Tank.
- ✓ Side Access Manway Lids, Yokes & Bolts Can be Removed to Allow **Easy Access** for Initial Filling.



3. Manway Lids, Yokes & Bolts

Inspect media for correct type and volume. Use specialty media like DMI-65® or Greensand Plus™ for *Iron, Manganese, or Arsenic* removal.

Soak DMI-65® or Greensand Plus™ in a **50/50** hydrogen peroxide or chlorine solution, mixed with water for **24 - 48 hours** before system startup. Media soaking can be done in tanks or separately before filling the tanks.

To facilitate initial filling, remove manway lids, yoke and bolts; once the media reaches the side access port height, re-install the cover and continue filling via the top media fill port, adding **5"- 6"** of water beforehand to protect the tank's interior coating.

PLEASE NOTE before installing media, rinse it if possible. If skipped, switch the filter station to backwash mode during setup to prevent fine granules from passing through the tank's underdrain.

✓ **¾" x ½" Gravel** Will be Filled as Required Per Tank. **¼" Pea Gravel** Will be Filled as Required Per Tank.

Continue Loading Process by **Installing DMI-65® or**
✓ **Greensand Plus™** Into Tank, Referencing Desired Volume Per Tank.



4. Filtration Media Loading Prep

Once all media has been loaded into each tank, install all gaskets, fill port lid covers and bolts securely.

- ✔ Connect Power to Control Panel **120V**.
- ✔ Connect Inlet, Outlet & Backwash Manifolds to Necessary Connections Onsite.
- ✔ **Slowly** Allow Incoming Water to Fill the Filter System & All Tanks to Avoid Water Hammer & Damage of Media Bed.
- ✔ Once Filter Tanks are Filled, Full Flow & Pressure Will be Sustained for Filter System.



5. System Connections & Settings

Check all connections for leaks and potential issues. **SET BACKWASH CONTROL TO DESIRED SETTINGS** or seek manufacturer guidance. Begin backwash sequences to clear media debris before filtration.

Inject chlorine or hydrogen peroxide for media regeneration based on iron PPM. Consult an engineer for dosage and calibration. Take necessary precautions as these chemicals may be harmful. **Inspect unit after 24hrs** for proper operation.