

Heritage Series FES

Ironsoft Water Softeners

LANCASTER
WATER TREATMENT



Homeowner Benefits

- The mechanical control valve allows the dealer to precisely predict the use and installation of the proper system to achieve the desired results for the homeowner
- Removal of iron in both clear water and red water conditions in addition to softening the water supply
- Available in the space-saving cabinet model or the two-tank model
- Multiple applications in capacity from 24,000 to 60,000 grains assuring system will be sized to meet the water treatment needs of the household
- An authorized water treatment dealer who understands the application and installation requirement of water treatment
- Family members will all experience the improvements of treated water after installation

Series Overview

A real breakthrough in water treatment equipment, Lancaster's "Ironsoft" will not only soften hard water, but will remove up to 10 ppm of Ferrous (clear water) iron and/or Ferric (red water) iron.

Our "Ironsoft" family of high-performance mechanical valves provides the ultimate in system capabilities and water treatment benefits. These dependable and easy-to-install units assure the dealer and plumber that the system will perform reliably.

Operating with a fine mesh resin, which has a smaller bead size than standard resin, this unit is much more efficient in exchange capacity and is also a much better filter than standard units. The specially designed support bed media acts as a secondary filter.

Backwash rates on the "Ironsoft" are a fraction of the requirements of ordinary iron filters, which allows the use of the "Ironsoft" on relatively poor producing wells.

Additionally, "Ironsoft" is not sensitive to pH and can be operated in acidic water, which would not be compatible with an ordinary iron filter.

Periodic regeneration with water softener salt is required and the use of resin cleaner is recommended for maximum resin efficiency. Available in both a two-tank model or space-saving cabinet style.





5610-SF Mechanical Valve with Lift Off Cover

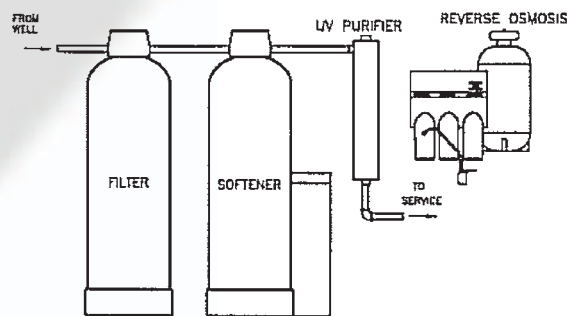
- Six cycle control with a down flow brine
- Durable construction of glass filled NORYL® provides carefree, reliable operation, as well as modular design for simple maintenance
- Stainless Steel By-Pass Valve

Iron is highly objectionable. It imparts a metallic taste to water. Much worse, it stains practically everything with which it comes in contact. Iron-Bearing water is usually clear and colorless with dissolved Ferrous Iron. Exposure to air however causes it to oxidize to Ferric Iron, and deposit a yellowish or reddish-brown sediment of Ferric Hydroxide. Ferric Hydroxide causes staining. Manganese can accompany Iron producing objectionable dark brown or black stains.



Cabinet

Cabinet design offers space savings by combining the mineral tank and brine tank into one unit that allows up to 150 LBS. of salt storage.



(Typical System)



| MODEL NO. | SERVICE FLOW RATES | | Back-wash GPM | GRAINS EXCHANGE CAPACITY PER REGENERATION | | IRON REMOVAL ppm | | Mineral Tank dia.x.ht. inches | Brine Tank dia.x.ht. inches | Salt Storage LBS. |
|----------------------|--------------------|-----------------|------------------|--|-------------------|---------------------|-----------------|--|-----------------------------------|-------------------------|
| | Continuous | Intermit- | | Max. Grains | | Ferrous (clear) | Ferric (red) | | | |
| | tent | | | @15 LBS. Salt per Cu. Ft. | Salt Used LBS. | | | | | |
| CABINET 7-CFES-24 | GPM 5 | GPM 7 | 1.5 | 24,000 | 12 | 10 | 10 | 10x35 | 14x20x44 | 150 |
| 7-FES-24 | 5 | 7 | 1.2 | 24,000 | 12 | 10 | 10 | 8x44 | 18x33 | 300 |
| 7-FES-32 | 8 | 10 | 1.5 | 32,000 | 16 | 10 | 10 | 10x47 | 18x33 | 300 |
| 7-FES-60* | 12 | 14 | 1.5 | 60,000 | 30 | 10 | 10 | 13x48 | 18x40 | 425 |

*Uses 2510S Valve for optimum backwash efficiency



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