

REVERSE OSMOSIS PLANTS



FERO SERIES

Selecting and installing a Reverse Osmosis (RO) unit to produce high-purity water is now faster, simpler and more convenient than ever. Simply determine your daily pure water flow rate requirements. Then, talk to us. We'll ask the right questions to determine what size of reverse osmosis unit is right for your application. And we'll also determine what pretreatment and post-treatment your water needs to optimize your RO unit's performance. Reverse Osmosis is a complete water purification process which removes ionic, organic impurities from raw water. Unlike conventional filtration, reverse osmosis separates the feed water into two streams. The feed water flows under pressure into a semi permeable R.O. Membrane element called a separator. The separator allows the purified water or permeate to pass through the membrane while rejecting the dissolved organics and bacteria solids in a separate, concentrated stream. The purified water from R.O. can be used in a number of commercial, industrial & household applications.

FEATURES

- ◆ Higher machine recoveries result in greater water savings & operating cost reductions.
- ◆ Simple, adjustable flow controls.
- ◆ Extremely quiet centrifugal pump.
- ◆ High quality components designed to optimize system performance.
- ◆ Water production can be increased due to its expandable design.
- ◆ Compact & space-efficient installation.
- ◆ Optional electrical & hydraulic upgrades to further enhance R.O. performance & efficiency.
- ◆ Unmatched product & technical support.
- ◆ Imported S.S. or GRP pressure vessel.
- ◆ Reliable centralized R.O. Control System.

SPECIFICATIONS

- All system features GRP or 304 stainless steel separator housing & DE/SAL Separators. This combination allows for safe, dependable operation and ease of separator replacement.
- The spiral wound construction of DE/SAL separators ensures top fluid separation efficiency.
- Five Micron Cartridge filter at the inlet of the machine.

BENEFITS

- Simple in Design
- Easy to operate
- High reliability
- Low service & maintenance costs
- Provide high purity water
- Low energy design reduces electrical requirements and operating costs.

DESIGN

We can also supply custom designed Reverse Osmosis unit for any capacity at any TDS level according to your requirement.

Raw water limits without pretreatment

Temperature: < 30°C

Turbidity: < 1 NTU

SR Density Index: < 5.0

Bacteria & Organics: Nil

Free Chlorine: Nil

Iron & Manganese: < 0.05

Heavy Metals: Nil

Oil & Grease: Nil

Oxidizing Agents: Nil

Silica: < 12 ppm

LSI: Negative

MODEL	CAPACITY	MEMBRANE	Motor 50 Hz
Feo-4LJ-2200	2,200 GPD (900 lph)	4.0 INCH TFC	2 HP (1.50 Kw) 3 Phase
Feo-4LJ-4400	4,400 GPD (1700 lph)	4.0 INCH TFC	2 HP (1.50 Kw) 3 Phase
Feo-4LJ-6600	6,600 GPD (1000 lph)	4.0 INCH TFC	2 HP (1.50 Kw) 3 Phase
Feo-4LJ-8800	8,800 GPD (1400 lph)	4.0 INCH TFC	2 HP (1.50 Kw) 3 Phase
Feo-4LJ-11000	11,000 GPD (1700 lph)	4.0 INCH TFC	3 HP (1.50 Kw) 3 Phase
Feo-4LJ-13200	13,200 GPD (2100 lph)	4.0 INCH TFC	3 HP (1.50 Kw) 3 Phase



FAIZ ENTERPRISES

YOUR WATER TREATMENT CONSULTANTS

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