ChargerPro™ Series

CHARGER
Water Treatment Products

REVERSE OSMOSIS
DRINKING WATER SYSTEM

The HR-3 stands out as one of the most environmentally friendly units available. Unlike traditional systems that recycle drain water back into the supply, the HR-3 minimizes overall water usage. This reverse osmosis unit operates at the molecular level, pushing tap water through a specialized membrane to separate pure water molecules from impurities. These impurities are automatically flushed away, leaving only clean, great-tasting water.

As the tank fills, most reverse osmosis units experience increased back pressure, making the membrane work harder. However, the High Recovery unit features a non-electric energy recovery device, known as a permeate pump, which significantly enhances the efficiency of the system. By eliminating back pressure, the drain amount remains consistent, improving recovery by up to 400% and reducing wastewater by 80%. Additionally, it boosts product tank pressure to up to 95% of feed pressure. Using less water also extends the lifespan of the filters, meaning they need to be replaced less frequently.

Reverse Osmosis (RO) works like this:
The pressure from a household tap forces water through a semipermeable membrane. This membrane separates the water at the molecular level. The membrane acts like a filter, assuring the RO water has substantially reduced impurities and dissolved solids. This cleaner, more refined water is then stored in a holding tank, ready at your convenience.

The 'RO' of the system is the secret

- Delicious, sparkling-clear drinking water
- Convenience: fresher, cleaner water at your faucet
- Reduces single-use plastic bottles (go green)
- Pristine, flavorful coffee, tea, and juice
- Quality water for your aquarium
- Cleanly rinsed fresh fruits and vegetables
- Crystalline, harder and clearer ice cubes
- Prolong the life of your humidifier or steam iron
- Spotless glassware when rinsed with RO water
- Cost-effective: no more bottled water costs
- Better tasting soups, sauces, and meals
- Environmentally sound: no chemicals
- Great for family pets

HR-3
High Recovery
Reverse Osmosis System

Why Choose the ChargerPro™ HR-3 SYSTEM?

- **Durability and Reliability:** Known for its longevity and minimal maintenance requirements.
- **Consistent Water Quality**
- **Environmentally Friendly**
- **Advanced Technology**

Delivering Cleaner, Healthier Water Across America

www.chargerwater.com

ChargerPro™ *Series*

HR-3

High Recovery
Reverse Osmosis System

Qualified System Performance: Because the performance of an RO Membrane is highly dependent upon pressure, temperature, pH, and TDS, the following should be used for comparison purposes only.

High Recovery Reverse Osmosis	**Model #** HR-3
	BENEFITS: • No electricity required • Built and tested in the USA • NSF Certified White 4.4 Gallon Tank • NSF Certified Quick Connect Fittings • Long Reach Chrome or Brushed Nickel Faucet • Filter Housing Wrench Included • NSF Certified Color Coded Tubing

Nominal Rejection Rates for typical R/O units

Aluminum.....96-98%
Arsenic.....94-96%
Bacteria ..... 99+%
Barium.....96-98%
Cadmium..... 95-97%
Calcium.....94-97%
Chlorine 90-95%
Chloride 90-95%
Copper.....96-98%
Fluoride.....93-95%
Lead.....96-98%
Magnesium.....95-98%
Manganese 94-96%
Mercury..... 95-97%
Nitrate 92-95%
Phosphate..... 97-98%
Silver..... 95-97%
Sodium 94-98%
Zinc 96-98%

Specifications

System Capacity.....50GPD
Tank Capacity..... 4.4 gal
Rejections .....98% min
Pre-Filter.....carbon block
Post Filter..... GAC
Membrane..... TFC
Chrome Faucet .....Long Reach
Reduces Drain ..... up to 80%

Recommended Operating Limits for Feed Water

Feed Pressure	Temperature	pH	Hardness	Iron	TDS
30-100 psi	40-80°F	3-11	10-12 gpg max	1 ppm max	2000 ppm max

Chlorine: Chlorine will damage a TFC Membrane. The Sediment/Carbon Module has been designed to reduce chlorine from the incoming water. Change filter every 6 to 12 months, more often if the water contains more than 1 ppm chlorine.

Bacteria: Must be potable. DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY, WITHOUT ADEQUATE DISINFECTION BEFORE THE SYSTEM.