



PROH<sub>2</sub>O  
470SE Series

Complete your home with  
water treatment products from Charger.

## WATER TREATMENT SYSTEMS

*Capacity is one of the first things you should look for in a water treatment system. The average family uses 80 to 100 gallons of water per person per day. That means a household of five requires 400 gallons of softened water daily.*



### How the 470SE System Softens Water

Hard water passes through the media tank that contains resin beads coated with sodium ions. The calcium and magnesium ions are exchanged for sodium (or potassium) ions, thus softening the water. When the beads have trapped the hardness and need to be regenerated, the Hi-Flow's control valve charges them with the brine from the brine tank.

As regeneration occurs, calcium and magnesium (hardness) ions are freed from the beads, replaced with sodium or potassium ions; and the system is ready to soften water again.

### Fleck 470SE 1" or 1.25" Control Valve Features:

- Upt to 24 gpm unit service flow rates
- SE electronics provide quick setup and programming
- Quick connect clips allow easy installation and maintenance
- Variable reserve
- Double backwash
- Soft water brine refill
- Variable brining
- Meter (DIR) or time clock initiated regeneration

### Brine tank performance insurance

All Charger water softeners may be ordered with optional salt grid which virtually prevents salt bridging.

### Demand Initiated Regeneration (DIR)

Save water and up to 40% in salt usage by adding meter-controlled regeneration to your unit.



470SE  
SERIES

Your **Charger** Water  
Treatment Dealer:



## Why **SOFT** WATER?

### **Your Water, The Universal Solvent!**

Water is considered the universal solvent. As it passes from liquid to vapor and back again, it tends to dissolve everything it touches - whether in the air as water vapor where it can mix with sulfur from smoke stacks forming acid or from the ground, absorbing calcium, magnesium, sulfur, iron, lead and limestone - water can have a negative impact on you, your household and your pocketbook.

Depending on where you live, contaminants from sewage, industrial waste and agricultural run-off can also seep into your water supply.

### **Hard water produces scale.**



Stains or buildup on your sinks and bathtubs, using large amounts of soap to clean dishes or wash your hair, or odd tasting or smelling water, are all results of hard water. If left untreated, the minerals in hard water will cause yellow stains on plumbing fixtures and be deposited as scale, eventually clogging plumbing and shortening the life of appliances like washing machines, water heaters and dishwashers.

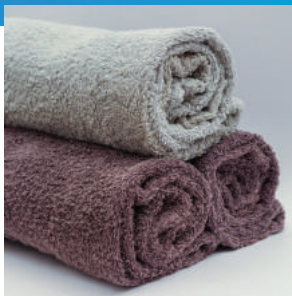
*Water Treatment Systems eliminate the effects of hard water. They "soften" the water by removing the calcium and magnesium found there, extending the useful life of water heaters, coffeemakers, humidifiers and household plumbing as well as many other appliances and fixtures that water passes through by as much as 30%.*

**Soft water makes a difference you can see and feel, all over the house.**



#### **IN THE BATHROOM:**

- Better lather
- Gentle and less dry for skin
- Eliminate soap scum and mineral deposits



#### **IN THE LAUNDRY:**

- Clothes are softer, cleaner, whiter and brighter
- Increase clothing life up to 33%
- Extend the life of your washing machine



#### **IN THE KITCHEN:**

- Spot free, cleaner dishes
- No film or mineral etching on glass



# REVERSE OSMOSIS

## *Drinking Water System*



### **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.***

RO is Reverse Osmosis. This is the natural process which sets the foundation of RO systems. It may sound technical, but osmosis is a natural, organic phenomenon, a process that occurs in nature on a continuous basis. Vegetation, like trees, plants and flowers attain their nutrients by using osmosis to draw water from the soil.



### **BENEFITS:**

- Delicious, sparkling-clear drinking water
- Convenience: Fresh, clean water at your faucet
- 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