

# Reverse Osmosis Expertise

## System Optimizations and Management



- Minimize Cleaning
- Extend Membrane Life
- Avoid Excessive Downtime
- Optimize Energy Consumption

Garratt-Callahan's RO treatment products are concentrated for efficiency, protect your system, reduce your energy consumption, and extend the life of your equipment. On-site pretreatment and troubleshooting expertise from your local G-C representative ensures successful and continued RO operation.

Our quality people and products deliver the results you want.

See how...

## Pretreatment is key to effective RO operation

- Metal precipitants & conditioners treat heavy metals, which can shorten membrane life
- Filtration techniques remove suspended solids, particulates, metals, and organics
- Particle size analyses ensure correct prefiltration
- Bisulfite and carbon filtration remove chlorine



## Antiscalants may prevent damage by scaling salts

- Allows higher percent recovery to produce more clean water
- Advanced modeling techniques predict potential scales and identify correct products
- Features specialty formulations with state-of-the-art crystal modifiers and dispersants to control scales such as carbonate, sulfate, silica and others
- NSF approved products for potable water applications







### **Cleaners maintain efficiency by removing foulants**

- Remove biofilm and organic build-up
- Remove scales, including sulfates, carbonates, metals, and more
- Safe, fast, effective
- Recommended twice a year to maintain RO cleanliness



### **Biocides minimize biofouling recurrence**

- Designed to attack biological fouling at its source
- Safe, effective, off-line application (in conjunction with cleaning)
- EPA registered, approved formulations

# Reverse Osmosis Expertise = Results

Our expert guidance and consultation, combined with NSF approved antiscalants, can protect from a variety of troublesome scales including carbonate, sulfate, silica and others. Our EPA registered biocides remove biofilms. Proper RO treatment reduces your energy consumption, maintenance costs, and extends the life of your equipment.

Dramatic results occur when the partnership of your on-site staff and the G-C Team of experts establish water treatment goals and expectations. This collaborative effort, combined with G-C products and expertise, optimizes both RO performance and the cost of the treatment program.

With G-C experts on your team you can get remarkable results and unparalleled service.







**“Stop trouble BEFORE it happens!”**

## About Garratt-Callahan.



Garratt-Callahan is a recognized provider of expert industrial water treatment solutions. By offering products, services, and support backed by over 112 years of experience, we deliver peace-of-mind and real savings in time, manpower, and resources. What we do positively impacts our customer’s ability to conserve energy, reduce water consumption, and become more environmentally conscious. At Garratt-Callahan, expertise has mattered since 1904.

Discover more at [www.garrattcallahan.com](http://www.garrattcallahan.com)     [@garrattcallahan](https://www.linkedin.com/company/garrattcallahan)

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