



# SQC™ Series

Reverse Osmosis System

**WATER  
FACTORY  
SYSTEMS®**

**Description** ■ Under-the-counter reverse osmosis drinking water system

**Application** ■ May be used on municipal and private water supplies  
 ■ Recommended for residential applications

- Features**
- NSF certified and listed
  - *Sanitary Quick Change* filter cartridges for easy installation and service — no spills, no mess
  - 5 micron graded density sediment pre-filter for optimal dirt holding capacity
  - Granular activated carbon pre-filter to protect membrane\*
  - High Flux TFC or CTA RO Membrane
  - Radial flow block carbon polishing filter for highest faucet output
  - Patented stealth flow control
  - Slim profile, space saving design
  - Installation kit includes feedwater valve, 2.5 gallon (9.5 liter) storage tank, long reach air gap faucet
  - High performance automatic shut-off valve



**SQC Series**

## SQC Series Specifications

| Model   | Part#  | Membrane | Membrane Capacity**    | Application Guidelines               |
|---------|--------|----------|------------------------|--------------------------------------|
| SQC CTA | 04-041 | CTA      | 13-19 GPD (49-72 LPD)  | chlorinated water                    |
| SQC 2   | 04-043 | TFC      | 22-33 GPD (83-125 LPD) | non-chlorinated water                |
| SQC 3   | 04-045 | TFC      | 22-33 GPD (83-125 LPD) | chlorinated or non-chlorinated water |
| SQC 4   | 04-063 | TFC      | 22-33 GPD (83-125 LPD) | chlorinated or non-chlorinated water |

NOTES: \* For SQC3 and SQC4 models

\*\* Capacity based upon water feed of 350 ppm (mg/l) TDS @ 60 PSI (413.7 kPa) @ 77°F (25°C)  
 Recommended feed water pressure 40-100 PSI (275.8-689.5 kPa)

**SQC CTA, SQC 2, SQC 3 Dimensions** 16"H x 11"W x 4.2"D (41cm H x 28cm W x 10.7cm D), **Shipping weight** 24 lbs. (10.9 Kg)

**SQC 4 Dimensions** 26"H x 17"W x 16"D (66cm H x 43cm W x 41cm D), **Shipping weight** 21 lbs. (9.5 Kg)

## Feed Water Requirements

| Parameter | Limits           | Parameter                  | Limits                       |
|-----------|------------------|----------------------------|------------------------------|
| pH-CTA    | 5.5-8            | Hydrogen Sulfide           | none allowable               |
| pH-TFC    | 4-11             | Temperature-CTA            | 40-85°F (4.4-30°C)           |
| Hardness  | <350 ppm (mg/L)  | Temperature-TFC            | 40-100°F (4.4-30°C)          |
| Iron (Fe) | <0.1 ppm (mg/L)  | Total Dissolved Solids-CTA | up to 1,500 ppm (mg/L)       |
| Turbidity | <1 NTU           | Total Dissolved Solids-TFC | up to 2,000 ppm (mg/L)       |
| Manganese | <0.05 ppm (mg/L) | Water Pressure             | 40-100 PSI (275.8-689.5 kPa) |

**CAUTION:** Do not use where water is microbiologically unsafe or with water of unknown quality. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts. Water supplies that exceed limits for hardness, iron, manganese, hydrogen sulfide require pre-treatment.

*Water at its Finest!™*

# SQC 2, 3 & 4

## Reverse Osmosis System

### PRODUCT SPECIFICATIONS

#### Contaminant Reduction Performance

| Contaminant                          | Average Influent | NSF Specifies Influent Challenge Concentration**       | Product Water | Average % Reduction | NSF Reduction Requirement | Max. Effluent | Min. % Reduction |
|--------------------------------------|------------------|--|---------------|---------------------|---------------------------|---------------|------------------|
| Cyst Reduction                       | 149357           | Minimum 50,000 cysts/L                                 | 5/ml          | 99.99               | 99.95%                    | 17/ml         | 99.99            |
| Arsenic                              | 0.28             | 0.30 mg/L $\pm$ 10%                                    | 0.0035        | 98.7                | 0.025                     | 0.0052        | 98.1             |
| Barium <sup>1</sup>                  | 10.2             | 10 mg/L $\pm$ 10%                                      | 0.207         | 97.9                | 2.00                      | 0.3           | 97.1             |
| Cadmium <sup>1</sup>                 | 0.036            | 0.03 mg/l $\pm$ 10%                                    | 0.0005        | 98.6                | 0.005                     | 0.0007        | 98.1             |
| Chromium (Hex.) <sup>1</sup>         | 0.15             | 0.3 mg/L 10% (added as hexavalent)                     | 0.013         | 91.3                | 0.1                       | 0.03          | 80               |
| Chromium (Tri.) <sup>1</sup>         | 0.17             | 0.3 mg/L 10% (added as trivalent)                      | 0.01          | 94.1                | 0.1                       | 0.01          | 94.1             |
| Copper                               | 3.1              | 3 mg/L $\pm$ 10%                                       | 0.03          | 99                  | 1.3                       | 0.04          | 98.7             |
| Fluoride                             | 8.0              | 8 mg/L $\pm$ 10%                                       | 0.5           | 93.9                | 1.5                       | 0.7           | 91.2             |
| Lead                                 | 0.15             | 0.15 mg/L $\pm$ 10%                                    | 0.002         | 98.6                | 0.01                      | 0.003         | 98               |
| Radium<br>226/228 <sup>2</sup> pCi/L | 25 pCi/L         | 25 pCi/L $\pm$ 10%                                     | 5 pCi/L       | 80                  | 5 pCi/L                   | 5 pCi/L       | 80               |
| Selenium                             | 0.1              | 0.10 mg/L 10% (added as 1/2 selenite and 1/2 selenate) | 0.008         | 92                  | 0.05                      | 0.011         | 89               |
| Chlorine<br>Taste & Odor             | 1.9              | 2 mg/L $\pm$ 10%                                       | 0.06          | 96.8                | >50                       | N/A           | N/A              |
| Turbidity                            | 10               | 11 NTU   | 0.1 NTU       | 98                  | 0.5 NTU                   | 0.26 NTU      | 97               |
| TDS                                  | 758              | 750 ug/L 40 ug/L<br>(added as sodium chloride)         | 30            | 96                  | 187                       | N/A           | N/A              |
| Nitrate                              | 28.8             | 27 mg/L $\pm$ 10% no3                                  | 4.3           | 84.5                | 10 mg/L                   | 6             | 79.2             |
| Nitrite                              | 2.8              | 3 mg/L $\pm$ 10% no2                                   | 0.5           | 82.1                | 1 mg/L                    | 0.7           | 82.1             |

\*\*Except as noted, units in each row are mg/L.

Test Parameters: pH 7.5 +/- 0.5 Flow = 0.6 gpm. Pressure = 50 psi.  
Temp = 68 +/- 5 F. TDS = 200-500 mg/L2, Turbidity = NTU

Notes: 1) Barium, Cadmium and Chromium were tested at 750 mg/L TDS. 2) The reduction of Radium was verified by using Barium as a surrogate under NSF protocol, therefore average percent rejection for Radium is <99%.

#### Purification Assembly Components SQC 2, 3 & 4

- (1) Sediment pre-filter: 5 micron depth cartridge
  - (1) Membrane type: Thin film composite (TFCM)
  - (1) Carbon post-filter: Activated carbon
- Standard tank capacity: 2.6 gallons (9.8 liters) maximum

**All drinking water appliances are factory tested and prepared for installation.**

**System production:**  
11 GPD (41.6 LPD)

**NOTE:** Actual production rate and TDS reduction will depend upon temperature, TDS level, membrane variation and usage pattern.

Contact your authorized dealer



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