



SENTRY RC-200 RESIN COLUMN SENTRY RC-400 RESIN COLUMN

Cation Exchange Resin Columns

SAMPLE CONDITIONING

The Sentry® RC-200 and RC-400 refillable ion exchange resin columns make resin replacement easy and economical, minimizing channeling and achieving a higher resin efficiency than competitive columns with inefficient column diameters.

MODELS

RC-200

RC-400

BENEFITS

The RC-200 and RC-400 refillable ion exchange resin columns are designed to minimize the column's dead volume, assuring highly representative sampling, and meet the demands of special applications, such as the need for large volumes of resin to extend the time between resin replacement or regeneration.

The resin columns have removable caps at both ends of the column to assist in refilling or regeneration of the resin. Additionally, porous discs are installed at both ends to contain the resin, assist in flow distribution and reduce channeling.

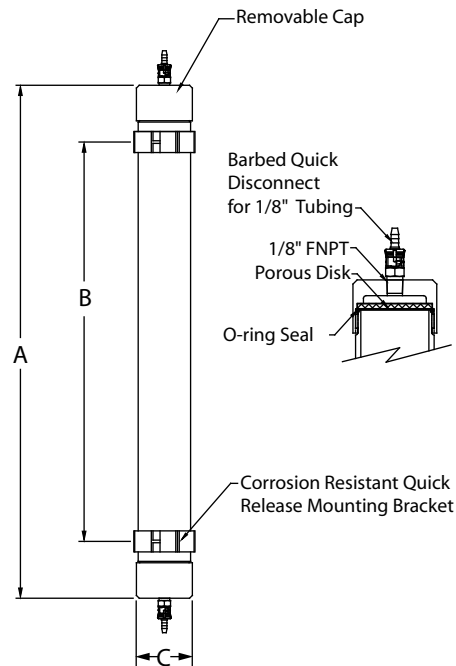
FEATURES

- Refillable, clear plastic column makes resin replacement economical and easy
- Provides optimum fluid velocity with increased resin efficiency
- Designed especially for flow rates common to water chemistry analyzers
- Minimizes lag time required to detect chemical upset
- No PVC used; wetted materials will not leach chlorides or plasticizers
- End fittings are 1/8-inch quick disconnects



Sample. Monitor. Measure.
SENTRY
Any Application. Anywhere.

| | DIM A | DIM B | DIM C |
|--------|---------------|---------------|-------------|
| RC-200 | 13¼" (337 mm) | 8⅞" (222mm) | 3⅞" (79 mm) |
| RC-400 | 25" (635mm) | 18⅝" (481 mm) | 3⅞" (79 mm) |



SPECIFICATIONS

| | | |
|-----------------------|---|--|
| operating temperature | 180°F (82°C) maximum | |
| operating pressure | 100 psig at 100°F (7 barg at 38°C); 60 psig at 180°F (4 barg at 82°C) | |
| flow | 200 cc/min recommended; 500 cc/min maximum | |
| wetted materials | polycarbonate, polypropylene, acetal | |
| resin | cation resin with color-indicating dye | |
| resin volume | RC-200: 0.040 ft ³ (1130 cc) | RC-400: 0.080 ft ³ (2260 cc) |
| cation capacity | RC-200: 1600 grains as CaCO ₃ | RC-400: 3200 grains as CaCO ₃ |
| weight | column + resin: RC-200: 4.25 lb (2 kg) | RC-400: 6.5 lb (3 kg) |

PART NUMBERS

| | RC-200 | RC-400 |
|---|--------------------------|--------------------------|
| resin column with initial change of resin, mounting brackets, and two sets of quick disconnects | 7-04037A | 7-04037B |
| cation resin refill bag (0.022 ft ³) | 2-03972A (2 required) | 2-03972A (4 required) |
| corrosion-proof quick disconnect mounting bracket | 4-05263A | 4-05263A |
| standard cap | 2-07030C | 2-07030C |
| kit (includes two each O-rings and porous disks) | 6-02503D | 6-02503D |

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COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
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