



RC-100 REFILLABLE ION EXCHANGE RESIN COLUMN

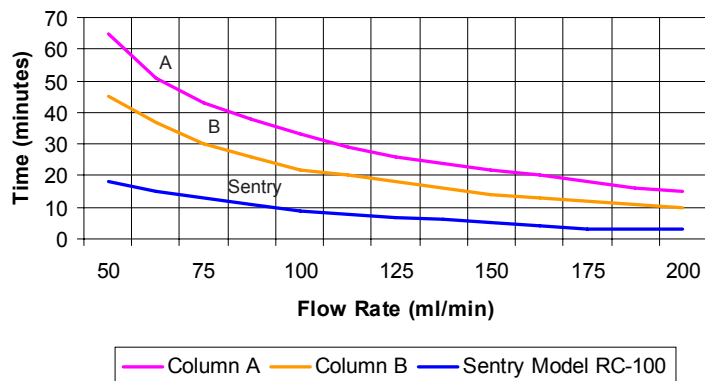
Efficient and Responsive Cation Conductivity Results

- Refillable, Clear Plastic Column Permits Easy Resin Replacement
- Column Design 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" Quick Disconnects

Sentry's refillable ion exchanger column is especially designed to minimize the column's dead volume assuring highly representative sampling. After a chemical upset, at a flow rate of 200 cc/min, Sentry's column can produce a representative sample within 4 minutes while others can take up to 16 minutes.

In addition to reducing dead volume the Sentry refillable ion exchange column's design also produces better flow distribution. This minimizes channeling and achieves a higher resin efficiency than competitive columns with inefficient column diameters. Poor flow distribution and velocity can skew cation conductivity results by up to 0.1 uS/cm.

Time Response vs. Flow rate



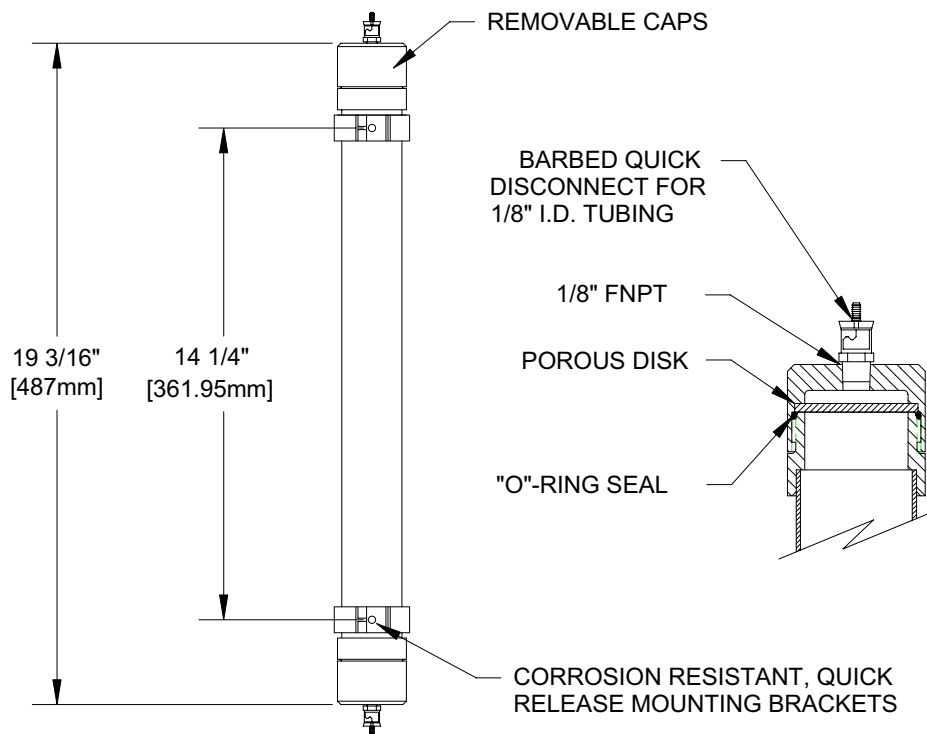
SPECIFICATIONS

Operating Temperature:	180°F (82°C), maximum
Operating Pressure:	100 psig @ 100°F (7 barg @38°C) 60 psig @180°F ¹ (4 barg @ 82°C)
Cation Capacity:	1000 grains as CaCO ₃
Resin Volume:	.020 ft ³ (565cc)
Flow:	200 cc/min recommended, 500 cc/min max
Resin:	Cation resin with color indicating dye, other resin types available
Shipping Weight:	Column & resin 2.4 lbs (1.1 kg)
Wetted Materials:	Polycarbonate, Polypropylene, Delrin

¹Design safety factor is 2-1/2 times this rate.

PART NUMBERS

Model RC-100 Resin Column with initial charge of resin, mounting brackets and two sets of quick disconnects:	7-00816B
SPARE PARTS	
Cation Resin Refill Bag:	2-03972A
Corrosion Proof, Quick Disconnect Mounting Bracket:	4-04869A
Porous Disk:	2-03892A
O-Ring Seal:	4-04820C
Delrin Barbed Quick Disconnects (includes two each male and female coupling) (stainless steel fittings available on request):	6-02503B



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