

## RAC 5-Gas Collecting Sampler

The RAC 5-Gas Sampler is used for area surveillance by numerous state, county and federal government stations, as well as international projects associated with the World Health Organization. RAC's 5-Gas Sampling System is available as an all-weather shelter model, furnished complete and ready-to-operate. It is fabricated from heavy-gauge steel, has a heavy-duty baked enamel finish, and is suitable for use under all climate conditions.

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### Features

- # Proven Performance & Reliability
  - # Meets EPA Specifications for Sampling SO<sub>2</sub> & NO<sub>2</sub> in Ambient Air
  - # Lightweight, Portable Unit
  - # Available with 24-hr or 7-day Timer Mechanisms
  - # Integral Limiting Orifices Provides 200 ml/min Flow Rate to Bubblers
  - # All Orifices Protected by Inline Filters & Demistors to Prevent Clogging & Flow Reduction
  - # Polypropylene Bubblers have Threaded Interchangeable Caps (2-Hole Unit for Sampling, Solid Unit for Carrying)
  - # Sampler Cabinets Equipped with Thermostatically-Controlled Heater
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### Models

#### Model 209031 RAC 5-Gas Collecting Sampler. Includes:

- # Complete Sampling Train
- # Vacuum Pump
- # 3-Wire Power Cord
- # Tubing & Connections
- # Pack of (5 ea.) Orifices, Filters & Back-Up Discs
- # 2-Compartment, Louvered, Weather Resistant Steel Shelter Carrying Case

#### Model 209031-1 RAC 5-Gas Collecting Sampler Includes:

- # Same as above, but with 220v, 50Hz Motor
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### Components

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|--------|--|
| 209038 | Red 100ml Poly Tube with Caps and Shipping Tubes     |
| 209039 | Yellow 100ml Poly Tube with Caps and Shipping Tubes  |
| 209040 | Blue 100ml Poly Tube with Caps and Shipping Tubes    |
| 209041 | Green 100ml Poly Tube with Caps and Shipping Tubes   |
| 209042 | Orange 100ml Poly Tube with Caps and Shipping Tubes  |
| 209043 | Natural 100ml Poly Tube with Caps and Shipping Tubes |
| 991577 | 5 Gas External Model Complete Pump, 110v/60Hz        |
| 994012 | 100ml Poly Tube Only - Natural                       |
| 994013 | 100ml Poly Tube Only - Red                           |
| 994014 | 100ml Poly Tube Only - Yellow                        |
| 994015 | 100ml Poly Tube Only - Blue                          |
| 994016 | 100ml Poly Tube Only - Green                         |
| 994017 | 100ml Poly Tube Only - Orange                        |
| 994018 | Stopper Only - Natural                               |
| 994019 | Stopper Only - Red                                   |
| 994020 | Stopper Only - Yellow                                |
| 994021 | Stopper Only - Blue                                  |
| 994022 | Stopper Only - Green                                 |
| 994023 | Stopper Only - Orange                                |
| 992424 | 24-hour Timer, 110v/60Hz (3 lbs)                     |
| 992425 | 7-day Skip Timer, 110v/60Hz (6 lbs)                  |
| 994088 | 3/5 Gas Poly Inlet Tube                              |
| 994089 | 3/5 Gas Poly Demistor Tube                           |
| 994091 | 3/5 Gas Poly Butt Connector                          |
| 995241 | 3/5 Gas Support Leg                                  |
| 996087 | 5 Gas Exhaust Manifold                               |
| 997010 | 1 lpm Glass Orifice                                  |
| 997011 | 0.21 lpm Glass Orifice                               |
| 997012 | 2 lpm Glass Orifice                                  |
| 997013 | 0.5 lpm Glass Orifice                                |
| 997014 | 5 Gas Glass Inlet Manifold                           |
| 997015 | Tapered Glass Impinger Tube 54/55                    |
| 997016 | Tapered Glass Impinger Tube 78/79                    |
| 997017 | Tapered Glass Impinger Tube 60/64                    |
| 997530 | Pump Repair Kit for 3/5 Gas Sampler                  |
| 997587 | 5 Gas Vinyl Crossover Tubing                         |
| 997589 | 3/5 Gas Corrugated Teflon® Tubing with Cap           |
| 997605 | 3/5 Gas Poly Inlet Funnel                            |

997721

5 Gas Trap Rack, Complete

997818

3/5 Gas Corrugated Teflon® Tubing with 12 Caps

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### Specifications

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|---------------|--|
| Electrical    | 115v, 60 Hz, 3.4 amp or 220V/50/60 Hz, 1.9 amp   |
| Vacuum Pump   | 116hp, 1.8 cfm free flow, 29"Hg vac, continuous duty, overload protection 11-5/8" long x 5-5/8" wide x 8-1/2" high 18 lbs. |
| Shelter Model | 17-1/2" wide x 29" high x 13-1/4" deep w/legs extended 58 lbs. including pump (w/o timer installed)                        |