

### CASELLA<sup>USA</sup> Apex Sampling Pumps

#### Large LCD of flow rate, volume sampled, elapsed sample time, and temperature

- Digital circuitry for precise and constant control of flow rate
- Long-term stability between calibrations

Versatile pumps offer a broad measurement range to cover a variety of sampling applications. Three-button controls create user-friendly interface for operation. LCD can also be customized for your preferred data view. Apex pumps are designed to deliver real-time readings. Apex Pro pumps add data storage (100 events) and download via infrared RS-232 interface and software (sold separately). Both models are available with AA alkaline or rechargeable NiMH batteries.

**What's included:** four AA alkaline batteries (models 86543-00, -10) or NiMH battery and 115 VAC charger (models 86543-02, -12).

#### Specifications

<b>Data displayed:</b> flow rate, volume sampled, elapsed sample time, temperature, operating mode, program details	<b>Operating temperature:</b> 41 to 104°F (5 to 40°C)	<b>Tubing ID:</b> ¼" (6.4 mm)
	<b>Battery life</b> AA alkaline: varies by user settings NiMH: 34 hours	<b>Dimensions:</b> 3½"W x 5¾"H x 1¾"D



86543-00

Catalog number	Description	Flow range	Low flow range, constant flow <sup>†</sup>	Pump wt	Power	Price
R-86543-00	Apex pump	0.8 to 5 L/min	5 to 750 mL/min	17.8 oz (0.5 kg)	Four AA alkaline batteries	
R-86543-02					NiMH with 115 VAC charger	
R-86543-10	Apex Pro pump	0.8 to 5 L/min	5 to 750 mL/min	17.8 oz (0.5 kg)	Four AA alkaline batteries	
R-86543-12					NiMH with 115 VAC charger	

<sup>†</sup>Requires purchase of Low-flow controller 86543-50 (sold separately below).

R-86543-50 Low-flow controller/CPU for sample volumes 5 to 750 mL/min..... /pk

R-86543-51 Infrared interface cable and software for use with Apex Pro models 86543-02, -12..... /pk



Call our Application Specialists for more information on air sampling equipment.  
**800-323-4340**

### Mini-Piston Air Sampling Pump

#### Intermittent sampling capability for continuous monitoring

- Ideal for collecting noncorrosive gases, monitoring industrial standards, and atmospheric conditions
- Set screw lets you set various on/off intervals to sample over time

Sampling pump is constructed of stainless steel, aluminum, and nylon; features a high-impact plastic case, and polyethylene and Tygon® connectors.



07600-00

#### Specifications

<b>Operating temperature:</b> 32 to 122°F (0 to 50°C)	<b>Dimensions:</b> 2⅞"W x 4¾"H x 1⅝"D
<b>Battery life:</b> 100 hrs at low-flow setting; 15 to 20 hrs at high-flow setting	<b>Max vacuum:</b> 30" H <sub>2</sub> O
<b>Tubing ID:</b> ⅜" (5 mm)	<b>Weight:</b> 1 lb (0.5 kg)

Catalog number	Flow range	Power	Price
R-07600-00	Low setting: 1 to 20 L/hr High setting: 90 L/hr	One 9 V and one C battery (included)	

R-09376-02 Replacement batteries, C.  
Pack of 4 ..... /pk

R-09376-04 Replacement batteries, 9 V.  
Pack of 4 ..... /pk

### Allegro T100M Air Sampling Pump

#### Expanded flow range capabilities

- Sample volumes from 3 to 30 L/min
- Suitable for use with impactors

Rotary vane sampling pump features broader 3 to 30 L/min sampling range. Built-in, adjustable flowmeter (5 to 50 L/min) allows easy display and adjustment to flow rate. This pump is specifically designed for use with cassettes and is also an excellent choice for work with impactors for impaction sampling. Order optional impactor or optional adjustable stand (sold separately below) for easy sample collection.

**What's included:** flowmeter, in-line filters, muffler jar, and 6 feet of vinyl tubing.

#### Specifications

<b>Data displayed:</b> sample time, alarm	<b>Tubing ID:</b> ¼" (6.4 mm)
<b>Operating temperature:</b> 32 to 105°F (0 to 40°C)	<b>Dimensions:</b> 6"W x 4"H x 5-½"D

Catalog number	Description	Flow range	Pump wt	Power	Price
R-86444-10	T100M air sampling pump	3 to 30 L/min	10 lb (5.0 kg)	115 VAC	

R-86444-50 Impactor sampler..... /pk

R-86444-51 Optional adjustable stand..... /pk



86444-10 shown with stand 86444-51