

# VAPex

## Personal Low Flow Air Sampling Pump

- Intrinsically Safe
- Wide low flow range 20mL – 500mL/min
- Wireless Bluetooth connectivity
- Remote Start/Stop from Airwave App
- IECEx and ATEX certified EX ia IIC T4 Ga
- Pocket size form factor
- Remote calibration
- Motion sensing technology
- Auto restart function
- Simple and smooth (Noise Free) operation
- Rapid charging of battery
- Add sampling notes on the go



### Overview

The VAPex range has been designed particularly for low flow sampling of vapours and gases in working environments. Its Intrinsically Safe design and remote operation via the Airwave App makes it ideal for modern-day sampling requirements. With a wide flow range of 20mL – 500mL, the VAPex personal sampling pump has outstanding back pressure capability. This capability ensures a uninterrupted smooth operation of the pump in even the most demanding situations.

### Applications

- Occupational Hygiene
- Mining
- Indoor air quality
- Construction sites
- Personal compliance monitoring

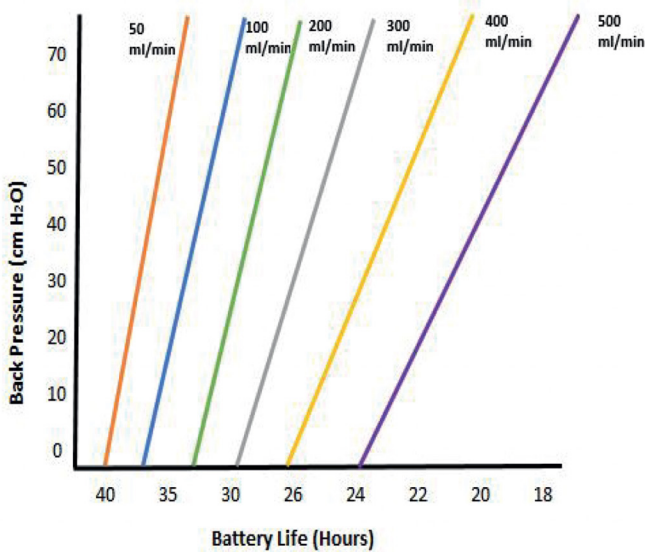


Technical Specifications	
<b>Flow performance</b>	
Flow range ml/min	20-500
Flow control	< ± 5% at calibrated point
Back pressure	70cm @ 500mL/min
Run time	34 hours at 200mL/min (20cm H2O Back Pressure)
<b>Physical</b>	
Dimensions	86 x 82 x 46 (LWD) mm
Weight	220g
IP rating	IP65
<b>Environmental</b>	
Temperature	5°C - 45°C
Barometric pressure	Auto-correcting
<b>Electrical</b>	
Battery type	High capacity Li-ion battery
Chargers	Single or 5-way dock, <6hrs charge time

Model Selection		
VAPex	Standard	Pro
Intrinsically safe	•	•
Motion sensor	•	•
Constant pressure mode	•	•
Bluetooth		•
PC download		•
Run duration timer		•
Fully programmable timers		•
Logging of flow and motion		•

### Ordering Information

VAPex Models	
VAPEX	VAPex I.S Standard Pump
VAPEXPRO	VAPex I.S Pro Pump
VAPex Accessories	
All pumps include 1m tube, Field Guide, and a Certificate of Calibration and Conformity	
VAPex Kits	
214020B/KIT	Single Docking Station for VAPex inc PSU & USB Cable
214024C/KIT	5-Way Docking Station for VAPex inc PSU & USB Cable
VAPEX/KIT	5-Way VAPex Standard Kit with tubing, docking station, PSU with universal connections and USB cable
VAPEXPRO/KIT	5-Way VAPex Pro Kit with tubing, docking station, PSU with universal connections and USB cable



Back Pressure vs Battery Life



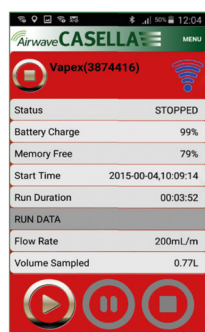
VAPex pump with 5-way charger

Kits available to include sampling accessories

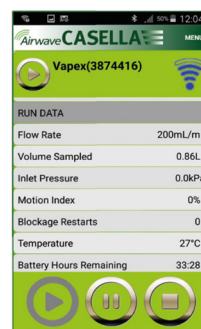
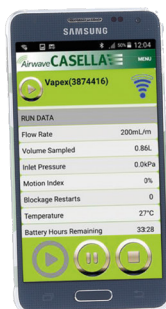
Use Airwave on your mobile device to remotely monitor multiple pumps, without disturbing the wearer.



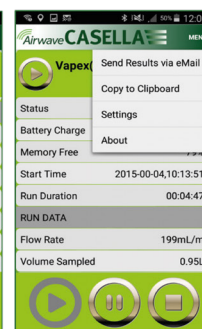
1  
Find your VAPex  
on Airwave



2  
Click 'Run'  
Button



3  
Start viewing  
the sampling



4  
Email a copy of  
results



Create notes on the go...

## Designed for Supreme Performance

VAPex pumps have been designed to give optimum performance for low flow rate applications. Its highly sophisticated control mechanism allows users to collect samples at extremely low flow rates to capture vapours and gases via sorbent tubes.

- Runtime of 34 hours at optimum use
- Flexibility to work with all tubes and kits
- Outstanding back pressure capability
- Excellent flow control and stability

VAPex has an outstanding back pressure capability to ensure uninterrupted smooth operation of the pump even in the most demanding settings. Innovative technology embedded in VAPex provides unique features to the user.

## Intelligent and Easy to Wear Design

VAPex has one of the most practical, slim and lightweight cases designed with user convenience in mind. The wearing clip comes with a lifetime guarantee.

- Display with highly visible colour coded menus
- Motion sensor to ensure compliance and operation
- Ergonomically designed case weighing only 220 grams
- Recessed inlet spigot to prevent damage
- Large buttons with lockable keypad

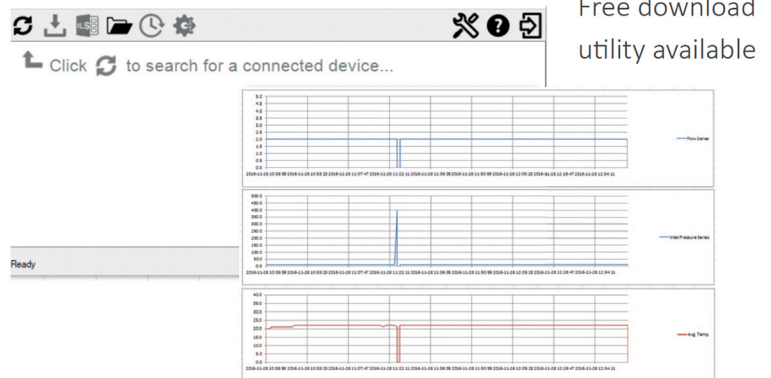
Screen on top to prevent damage when in use.



## Data Storage and Analysis

The VAPex can store up to 200 separate runs, storing data including start time, stop time, date, duration, volume sampled and motion index.

- Simple to use download utility for PCs
- Graphs - flow, motion and back pressure
- Shows events such as blockages
- Downloads into Excel to easily view and share data



## Simple Operation

Casella products are known in the industry for their ease of use and the VAPex is no exception to this. Using only four buttons you can easily navigate through the color coded setup menus.

- Just tap a key to start a run
- Displays battery life in remaining hours as well as flow rate
- Intuitive color display to show device status
- Status LEDs showing pump state from a distance



Color coded display showing remaining battery life



Easy to use menu

## Bluetooth Connectivity

Monitor your VAPex remotely with Bluetooth® and the supporting Airwave App on your phone or tablet.

- Monitor the pump without disturbing the wearer
- Monitor multiple pumps
- Start and stop pumps remotely
- Email data direct to your PC



## Intrinsically Safe

VAPex is an Intrinsically Safe (IECEx) pump for use in potentially hazardous atmospheres. Although VAPex is ideal for use in oil and gas, pharmaceutical and chemical industries. Its applications are also frequent where occupational health and safety is in question.

Ex ia IIC T4 Ga  
(Ta = -200C to +450C)

## Accessories

Connect the VAPex with our Flow Detective to run seamless calibration through your Airwave App.

