

## Casella Vortex Ultra Flow Sampling Pump

### Introduction

The problem of asbestos is still with us and is the subject of stringent legislation for its removal and disposal. The requirement for quick sample collection and counting of airborne fibers in the shortest time possible means a far higher flow rate than with more conventional sampling methods is required.

### Applications

The Casella VORTEX Ultra Flow is designed with this application in mind but also retains the portability of personal samplers. The asbestos head is designed to hold a gridded membrane for asbestos clearance sampling measurements or personal sampling.

The Casella Vortex Ultra Flow pump can be used in the following applications-

- Asbestos monitoring
- Personal sampling
- Stack sampling
- Boundary monitoring
- TSP, PM10 and PM2.5 sampling

### Ordering information

171000D	Vortex Ultra Flow Sampling Pump complete with standard accessories
P123011	Spare 12 Vdc 7 Ah rechargeable battery pack
P110004	Asbestos Sampling Head
171006B	Asbestos Sampling Head Support mast



*Casella Vortex Ultra Flow*

### Use and operation

The instrument was the first within the Casella VORTEX range to utilize a tactile, two-button on/off and flow setting control system. The robust metal case, built-in carry handle, and optional 'mast' are features which mean the unit is at home in asbestos clearance, leak checking, environmental and

### Key benefits

- Compact design
- Clearance sampling
- Optional mast for asbestos head
- Exposure sampling
- Rechargeable battery
- Flow compensation
- Wide flow range up to 20 liters/min

### Specifications

Flow Range -	
(in free air)	6-20 liters/min
(0.8 micron filter)	6-12 liters/min
Max Pressure Drop -	
(0.8 micron filter)	200cm H2O @
	8 liters/min
Run Time -	5 hours
	(0.8 micron filter)
Dimensions -	7.2 x 3 x 11.4 in
	180x75x285 mm
Weight -	9.5 lb (4.3 kg)

stack sampling applications that require a 6 - 20 liters/min (free air) flow range. The unit's 7Ahr battery provides a typical run time of 5 hours through a 0.8-micron filter at 12 liters/min. An elapsed time counter, which can be reset via the tactile keypad, completes the features of the VORTEX Ultra Flow pump.