

ASTER SERIES



- Constant flow environmental sampling
- Automatic isokinetic samplings
- 7" touch screen display
- Ethernet port
- Automatic flow regulation
- Powered by mains and/or battery
- Customer and operator libraries

OPERATING PROGRAM		2025/03/26 10:22:19
Client:	Client1	
Operator:	Operator1	
Environmental	Duct	
Remote Lotus	Remote SRB	
PM 10		



ASTER SERIES

The **ASTER** environmental sampling series was designed for sampling emissions in accordance with current legislation.

The entire series may be connected to the **Isocheck SRB** regulator, as well as to **Lotus**, allowing the operator to carry out fully **automatic isokinetic sampling** in accordance with the regulations of UNI EN ISO 16911-1 and UNI EN 13284-1.

Aster is also equipped with a **7" touch screen display** allowing for easy and comfortable set up and data revision.

Through the graphic display, it is possible to:

- Verify the sampling data
- Visualize its process (textually or via graphics)
- Manage the integrated registry
- Carry out diagnostics.

As usual, flow monitoring, regulation, and compensation are completely **automatic**: the pump guarantees high precision flow regulation throughout the full range of functions.

The **high flow pump** (> 600 mmHg) paired with the electronic management and monitoring system, permits maintenance of constant flow during the entire sampling period and **automatic compensation** for variations caused by load loss due to filter clogging.

Whenever an **alarm** situation arises (failure to maintain constant flow, loss of power, etc), it is recorded and flagged as an anomaly.

The dry gas volumetric meter has a precision of $\pm 2\%$. An electronic sensor detects the sample air temperature at the monitor intake for the subsequent normalization of volumes calculation.

The reduced size and weight of all the models, facilitate portability even in hard to access areas.

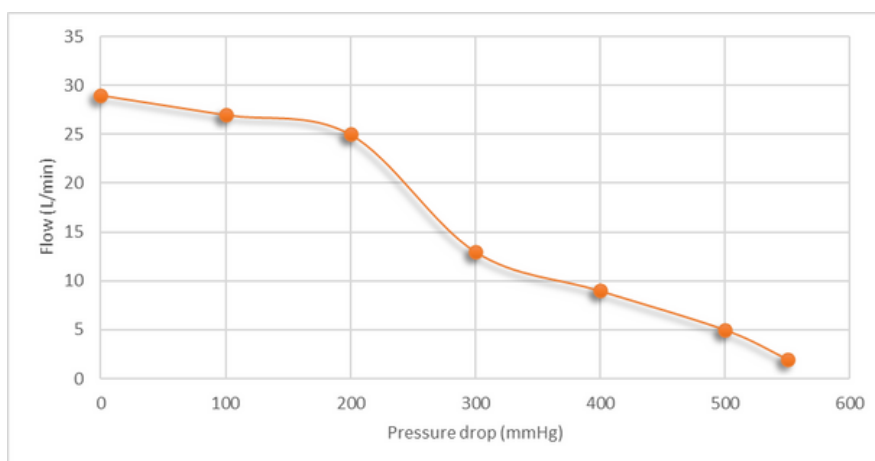
Thanks to its **dual power supply options** Aster may run on mains or by means of its Battery Box (optional).



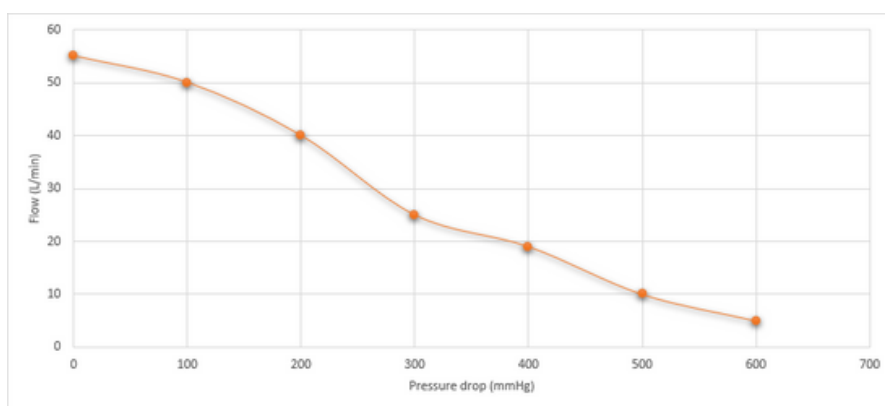
ASTER SERIES

CHARACTERISTIC CURVE OF THE PUMP

Aster 33



Aster 55



ASTER SERIES

TECHNICAL FEATURES

MODEL	ASTER 33	ASTER 55
• PERFORMANCE		
Pump type	1,8 m³/h single-head membrane	4 m³/h double head membrane
Operating range	0,3 ÷25 L/min	1÷ 50 L/min
Maximum vacuum	> 600 mmHg	
Volumetric meter / Resolution / Accuracy	G 2,5 / 0,2 l / ±2%	
Flow	Automatic regulation	
• INTERFACE, DATA ARCHIVING		
Display	7" touch LCD	
Data download	RS232 and USB	
RS232 for SRB and LOTUS connection		
RJ45 Lan Port		
Automatic diagnostic tool		
Integrated registry management		
Tabular and/or graphic visuals		

• ENVIRONMENTAL CONDITIONS		
Temperature	0 °C ÷ 45 °C - 95% UR	
• ENERGY		
Power supply	230 Vac – 50 Hz	
External battery	24 Vcc (non incl.)	
• FEATURES		
Weight	7 Kg	12,5 Kg
• OPTIONS		
Built-in printer		
• SUPPLIED WITH		
Technical manual		
Test reports		

ASTER

