

ATLAS

ALMOST Rocket Science

Safety Cabinets

Advanced design providing operator and environment protection

SCANLAF

ATLAS

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Atlas - The strength of the universe, supporter of the heavens!! Safety Cabinets protection for the operator and the environment.

Atlas

"Atlas" is a compact work station and a true operator safety cabinet with built-in exhaust fan and HEPA filter-H1 4 for safe handling and working with chemicals and powders giving full protection to the operator and the laboratory surroundings and also the environment. The internal fan ensures full operational safety should any external ventilation system in the laboratory be switched off or non-operational. When connected to an external ducting outlet the "Atlas"can be safely used for work with organic solvents.

The advanced digital controller gives a display of operating time (hours), visual and audible alarms for power failure, incorrect exhaust air speed, and with a 3rd sensor (optional) the measurement of insufficient pressure drop in the exhaust duct, thus giving the operator maximum safety conditions at all times.

The negative pressure surrounding the HEPA filter avoids any possibilities of leaks, even from defective or old HEPA filter gaskets or seals.

The high work opening, low noise level, excellent light conditions with clear glass side walls , makes the "Atlas" an ideal working environment for the operator.

Low energy consumption coupled with a digital control system ensure low running costs, and a safe working environment. An easy removeable prefiltersystem EU-3 type extends the HEPA-filter life.

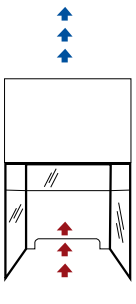
Auto Start and Auto Stop facilities are a feature that adds to operational convenience and operator safety.

Optional PIR sensor can be fitted allowing the "Atlas" to operate on reduced speed when unattended, thus maintaining the integrity of the chamber , and be ready for full safe operation when the operator introduces his hands into the working aperture.
An optional electrically operated elevation support stand is available giving an ergonomic-ally correct working position for the operator whilst seated or standing during extended working periods.

Atlas



Air Flow Pattern



Microprocessor



Prefilter system

Specifications

Atlas	Unit	
Material		Pressure chamber in polyester coated steel. Table top in stainless steel 304 Front and side windows in strong polycarbonate.
External dimensions (DxWxH)	mm	336x626x975
Working chamber (DxWxH)	mm	313x574x530
Exhaust	m^3/h	300
Energy consumption/Effect	W	90
Sound level	dB(A)	52
HEPA filter, EN 1822, H-14		99,995 % MPPS
Prefilters, quality EU 3		ASHRAE 83
UV-light intensity		254/15
Window opening		30 cm
Weight	kg	40
Included		Lightning. Digital display with Hour counter, digitally adjustable fan, alarm for power failure and air flow speed
Options		Communication with CTS, dampers and extract blowers. USB-port with software for documention purposes

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9.001.000.072	Antiblow back ducting kit for exhaust
9.001.000.081	Electrical support stand 750-1050 Sirius
9.001.000.080	UV light mounted on the backwall
Microprocessor	
9.001.020.127	USB port for communication and with computer inclusive software package in Excell
9.001.000.087	Pir-sensor - turns automaticaly to full speed and light upon any movement
9.001.020.201	Signals for external ventilation system including pot free contact
9.001.020.202	3-sensor option with pressure switch requires Signals for external ventilation
9.000.050.335	Pressostat for meausering pressure drop over HEPA-filter
Packing and handling	
9.100.022.201	Sirius packing

Spareparts	
9.000.010.010	Spare blower for Titan,Titan PCR, HV-mini, Atlas, and Sirius
9.000.019.011	Spare Hepa filter for Titan, Titan PCR, Atlas, and Sirius and HV-mini models
9.000.019.012	Spare UV-light tube for Titan PCR and Sirius
9.000.020.950	Spare light tube for Titan PCR, Atlas, and Sirius
9.001.000.097	Carbonfilter instead of HEPA filter, for recirkulation

Electrical elevation stand



3rd sensor option



Antiblow backvalve



Light

