



INTE-FLOW Range - Fume Cupboards with Integrated Acid Scrubber

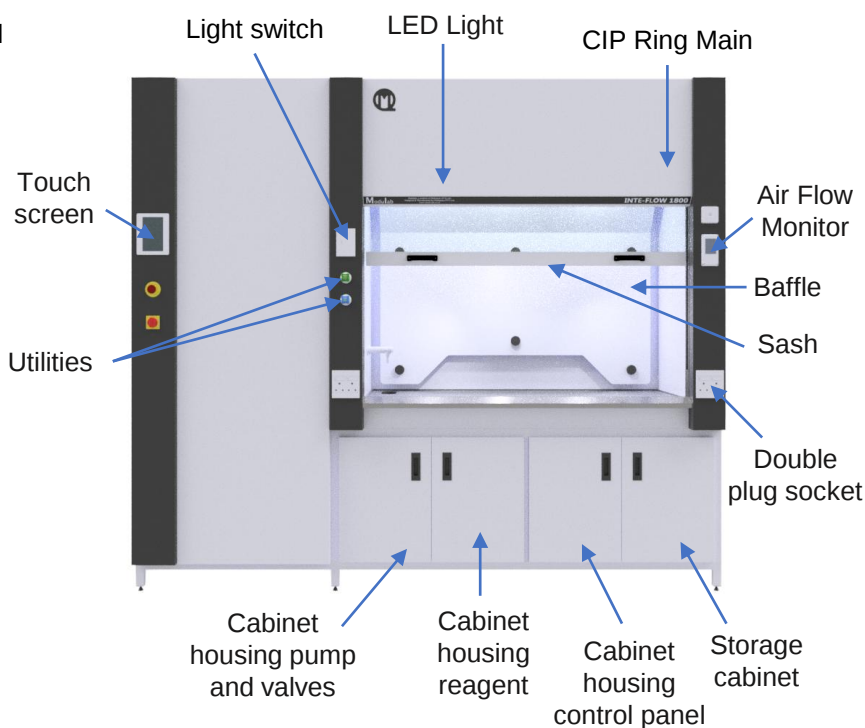
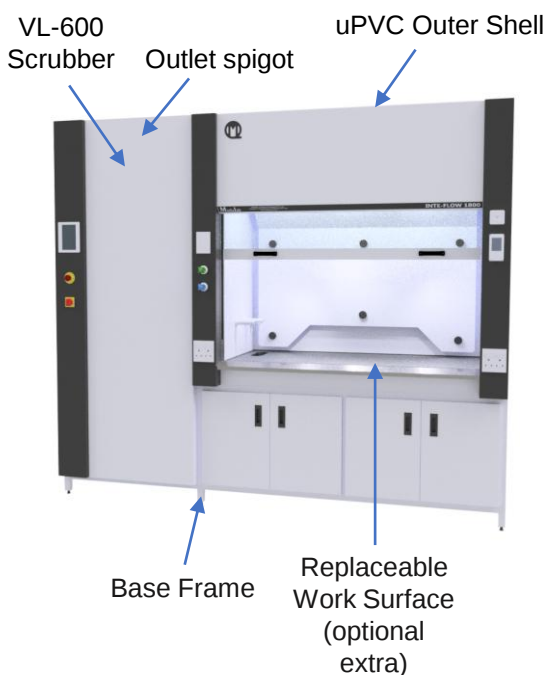
Modulab's INTE-FLOW Range of fume cupboards are specialist acid fume cupboards manufactured with integrated fume scrubbers. The integrated scrubber alleviates the need for separate, large and costly abatement systems down line. The range is made up of three different size models. All fume cupboards in this range are made from light weight, chemical resistant Polypropylene internals with chemical resistant uPVC outers. Therefore little to no degradation is caused by chemical fumes and spills. Special attention has been paid to ensure the best compact and ergonomic design possible. All integrated scrubbers will remove more than 98% of acid contaminants from the air stream. All scrubber functions are automated and run by a PLC. These automated functions include, sump level control and PH adjustment. All powered items are controlled via a touch screen panel (HMI) giving the operator ease of access to all functions and alarms. A variety of add-ons and utilities are available for this range (see table below). Stand alone extraction fans and rigid thermo-plastic ducting for remote fan installations are also available for this range.

Standard Features:

- Outer shell made from chemical resistant uPVC
- Internal hood made from DiBt approved Polypropylene.
- Manually operated cast polycarbonate sash – fully closable
- IP68 LED light – Bright White
- 4 x double 240VAC plug sockets (Single Phase)
- Built-in VL-600 Acid Scrubber c/w:
 - Automated PH Monitoring & Control
 - Automated Level Control
 - Automated Water Control
 - Manual Blow Down Control
- Scrubber Control Touch Screen
- Cascade plate baffle c/w coalescing media
- Recirculation tank c/w automated level control
- CIP ring main
- Powder coated, mild steel base frame with adjustable feet
- PVC-F cabinets
- Type A air flow monitor

Optional Extra Accessories:

- Variety of front control utility taps and faucets (Water, LPG, Vacuum, Nitrogen etc.)
- Oval drip cup (260x100mm) with waste and bottle trap
- 300x300x200mm Deep Polypropylene sink.
- TEL AFA4000 Airflow monitor
- Automated control damper (only with AFA4000)
- Mechanically operated sash control (only with AFA4000)
- High sash alarm (only with AFA4000)
- Replaceable sacrificial UHMW-PE work surface





★ We build custom sizes on request

Models and Specifications

Models	INTE-FLOW 1500	INTE-FLOW 1800	INTE-FLOW 2100
M.O.C Fume Cupboard:	uPVC Outer + PP-H		
M.O.C - Cabinetry:	PVC-F		
Outer Width:	2400 mm - (240 cm)	2700 mm - (270 cm)	2400 mm - (240 cm)
Outer Depth:	860 mm - (860 cm)		
Outer Height (Full Assembly):	2350 mm - (235 cm)		
Inner Cupboard Width:	1200 mm - (120 cm)	1500 mm - (150 cm)	1800 mm - (180 cm)
Inner Cupboard Depth:	700 mm - (70 cm)		
Inner Cupboard Height:	1080 mm - (108 cm)		
Opening Height – Open Sash:	750 mm - (65 cm)		
Voltage:	240 VAC - Single Phase		
Weight:	250 kg	300 kg	350 kg
Sash Type:	Sliding Sash		
Outlet Ducting Size:	Ø250mm - (Ø25cm)	Ø315mm - (Ø31.5cm)	Ø315mm - (Ø31.5cm)
Scrubber Model:	VL-600		

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