

Smart System Destruction

Professional all-rounder for aggressive acids

FUME CUPBOARDS



The Smart System Destruction has an interior resistant to aggressive acids. An optional high-yield gas scrubber can be matched with a neutralisation unit for cleaning the waste water. The Smart System Destruction unit provides a clean and safe way to work with aggressive acids.

PERFORMANCE FIGURES IN FOUR DIMENSIONS



Remark: the containment factor scores average, the specific protection against aggressive acids scores high

Smart System Destruction (1200/1500/1800)

TECHNICAL SPECIFICATIONS	
carcass	hard plastic faced multiplex
interior	PVC light grey
airflow baffles	6 mm toughened glass
tilted airflow baffles	6 mm toughened glass
worktop	Steinzeug blue-grey
vertical sliding doors	6 mm toughened glass, safety latch
fittings	Broen
electrical	Berker Mobil R-IP 44 in black
lighting	TLD 500 lux
duct outlet size	PVC
option I	under cupboard open
option II	under cupboard with sliding doors and ventilation
option III	safety signal electronic airflow monitor
option IV	vertical service console in under cupboard
option V	gas scrubber polypropylene body with electric conductivity measurement, filters up to 98% vaporized acid. Automatic water refreshment cycle.

DIMENSIONS (MM)		DESTRUCTION 1200	DESTRUCTION 1500	DESTRUCTION 1800
outside	wide	1200	1500	1800
inside	wide	1060	1360	1660
outside	deep	780	780	780
inside	deep	610	610	610
outside	high	2590	2590	2590
inside	high	1545	1545	1545

AIRFLOW ANALYSIS			
Smart System Destruction (standard)	Q1 extraction volume $\bar{v}=0.3$ m/s (normal operating setting 475 mm)	Q1 pressure differential	duct outlet size
	m ³ /h	Pa	mm
1200	720	27	250
1500	925	27	250
1800	1130	27	250

CERTIFICATION

The Smart System Destruction complies with the UK safety standards for air cabinets and is tested and certified according to the British BS 7258 part 1 and 4, the German DIN 12924 part 1, the European prEN 14175 part 3.

VERSIONS

• BYPASS

The bypass, placed on the underside of the fume cupboard, regulates the flow of air at the window opening. This results in constant airflow, at the ideal level, at all window settings.

• CLOSED FRONT

With no bypass, this fume cupboard is suitable for variable airflow. The extraction volume is regulated along with the window setting. When performing a long-term test, it is possible to work with low extraction. This version prevents fumes escaping from the top of the cupboard when a test creates strong thermal lift through the use of burners or a hotplate.

• SLIDING WINDOWS

The partitioned sliding windows provide excellent access. The maximum opening is 924 mm wide and 475 mm high. The minimum work opening is 50 mm. Horizontal sliding windows provide access to the fume cupboard without creating a large opening. The maximum window opening is restricted by a safety latch which does not interfere with the working of the cupboard.

• STANDARD SPOILERS PROVIDE EXTRA SAFETY

Worktop and side spoilers create a constant stream of air through the window opening and suppress unwanted eddies. The worktop spoiler creates a laminar flow of air directly above the worktop, discharging heavy fumes via the rear airflow baffles. The spoilers provide an ergonomic armrest whilst maintaining optimum airflow.

For more information visit www.splusb.co.uk.