

Smart System standard

Professional all-rounder

FUME CUPBOARDS



The Smart System is the workhorse in our range of fume cupboards. The adaptable design provides a platform for a range of different versions, varying in size and capabilities. Each is suited to a specific demanding environment, providing ease of operation and safety.

PERFORMANCE FIGURES IN FOUR DIMENSIONS



Smart System (1200/1500/1800/2100)

TECHNICAL SPECIFICATIONS	
carcass	hard plastic faced multiplex
side and ceiling panels	6 mm white solid core panels
tilted airflow baffles	6 mm toughened glass
worktop	Steinzeug blue-grey, RVS, Toplab+
combination sliding doors	6 mm toughened glass in aluminium frame
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	one shelf in under cupboard
option V	vertical service console in under cupboard
option VI	infill panel through ceiling
option VI I	round drip cup left side is standard, right side, both sides

DIMENSIONS (MM)		SMART SYSTEM 1200	SMART SYSTEM 1500	SMART SYSTEM 1800	SMART SYSTEM 2100
outside	wide	1200	1500	1800	2100
inside	wide	1166	1466	1766	2066
outside	deep	780	780	780	780
inside	deep	610	610	610	610
outside	high	2590	2590	2590	2590
inside	high	1545	1545	1545	1545

AIRFLOW ANALYSIS			
Smart System (standard)	V=0.3 m/s (normal operating setting 475 mm)	Q _i extraction volume	Q _i pressure differential
	m ³ /h	Pa	mm
1200	560	27	200
1500	720	27	250
1800	890	27	250
2100	1050	27	2x250

CERTIFICATION

The Smart System standard 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.