

# Smart System Walk-in

Professional all-rounder with extra height

# FUME CUPBOARDS



The Smart System Walk-in provides a lowered worktop, giving easy access and ample room for tall test arrangements.

## PERFORMANCE FIGURES IN FOUR DIMENSIONS



# Smart System Walk-in (1500/1800)

| 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+        |
| vertical sliding doors   | 6 mm toughened glass, safety latch       |
| fittings                 | Broen                                    |
| electrical               | Berker Mobil R-IP 44 in black            |
| lighting                 | TLD 500 lux                              |
| option I                 | safety signal electronic airflow monitor |
| option II                | infill panel through ceiling             |

| DIMENSIONS (MM)               |      | WALK-IN<br>1500 | WALK-IN<br>1800 |
|-------------------------------|------|-----------------|-----------------|
| outside                       | wide | 1500            | 1800            |
| inside                        | wide | 1466            | 1766            |
| outside                       | deep | 780             | 780             |
| inside                        | deep | 610             | 610             |
| outside                       | high | 2590            | 2590            |
| inside                        | high | 1980            | 1980            |
| maximum usable internal space | high | 1980            | 1980            |
| maximum front opening         | high | 1160            | 1160            |
| worktop height                | high | 500             | 500             |

| AIRFLOW ANALYSIS                |   |                             |                  |
|---------------------------------|---|-----------------------------|------------------|
| Smart System Walk-in (standard) | Q1 extraction volume<br>V=0.3 m/s (normal<br>operating setting<br>475 mm) | Q1 pressure<br>differential | duct outlet size |
|                                 | m <sup>3</sup> /h   | Pa                          | mm               |
| 1500                            | 1040  | 60                          | 250              |
| 1800                            | 1270  | 35                          | 315              |

**CERTIFICATION**

The Smart System Walk-in 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](http://www.splusb.co.uk).