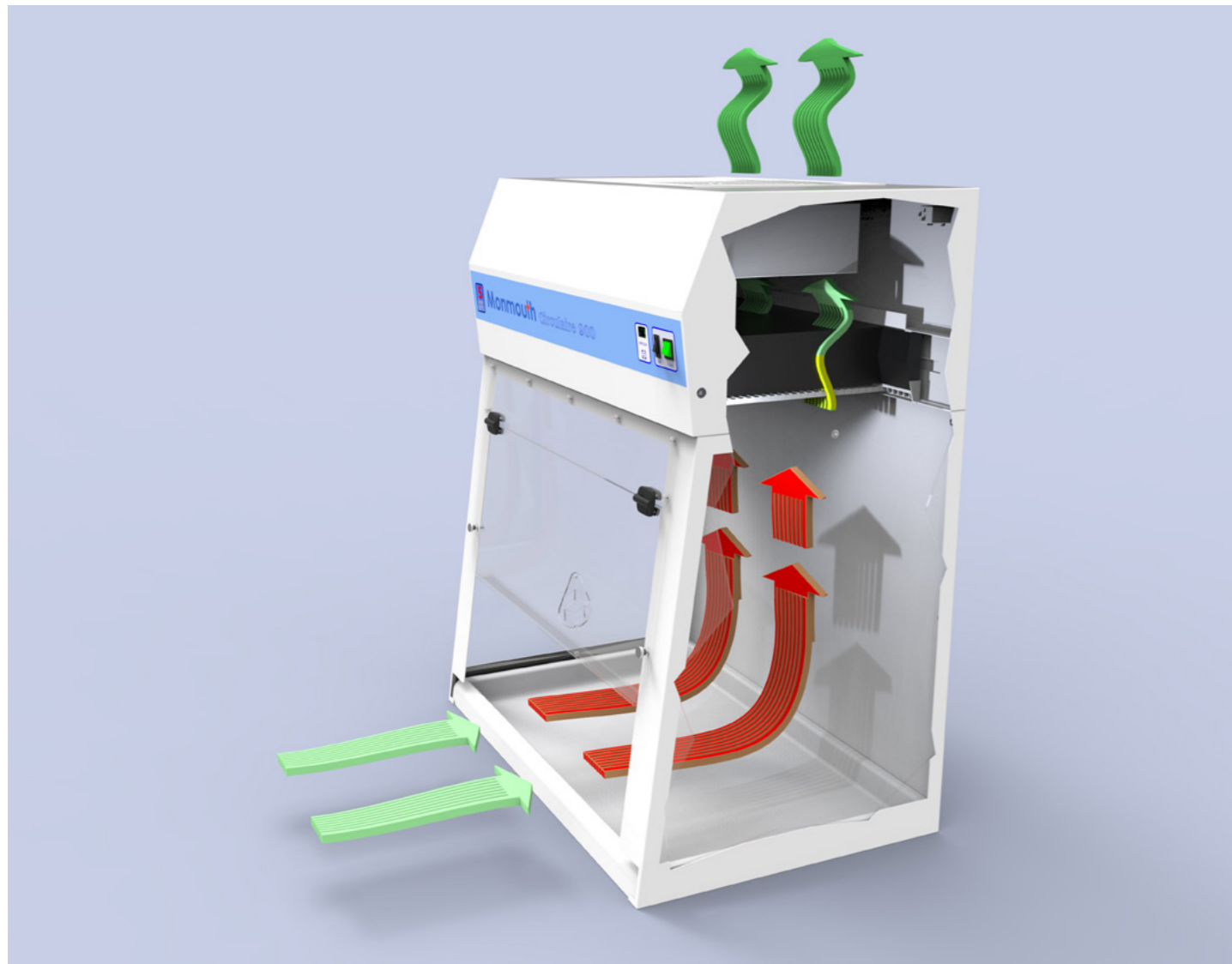
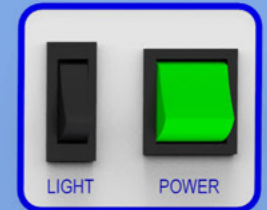


**CIRCULAIRE<sup>®</sup>**  
**FUME**  
**CABINETS**  
 with low airflow alarm



# Monmouth+ Circulaire 900



## Practical, Affordable and Functional

Monmouth Scientific's range of filtration fume and particulate containment cabinets offer total practicality and suitability for a huge variety of applications.

With large capacity deep fill carbon filters fitted the cabinets can be used for a huge range of chemical containment applications such as solvent, ammonia, sulphur, acid, ether fumes and many more. With HEPA (High Efficiency Particulate Air) or ULPA (Ultra Low Particulate Air) filters fitted, particulate down to 0.12µm in size can be contained making the cabinets fantastic for use with balances, asbestos or most other particulate applications. All cabinets can be fitted with carbon and /or particulate filters.

The range of cabinets offer unparalleled green credentials. With power ratings of just 80watts and noise levels at 52 dB(A), this makes them some of the most economical and quiet cabinets available.

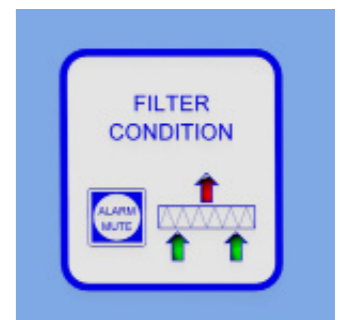
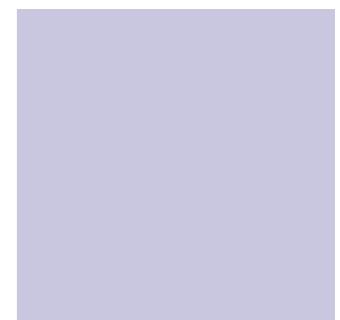
There are three cabinets in the range offering a choice of sizes at 550mm wide, 650mm wide and 900mm wide. All three cabinets are supplied with wide and high working apertures making them extremely easy, comfortable and functional to use and work with. This aperture allows fantastic access to the working area during normal operation and also hinges fully open to allow total access to the working area for installation of apparatus or equipment. They have been designed and tested to ensure compliance with BS7989:2001

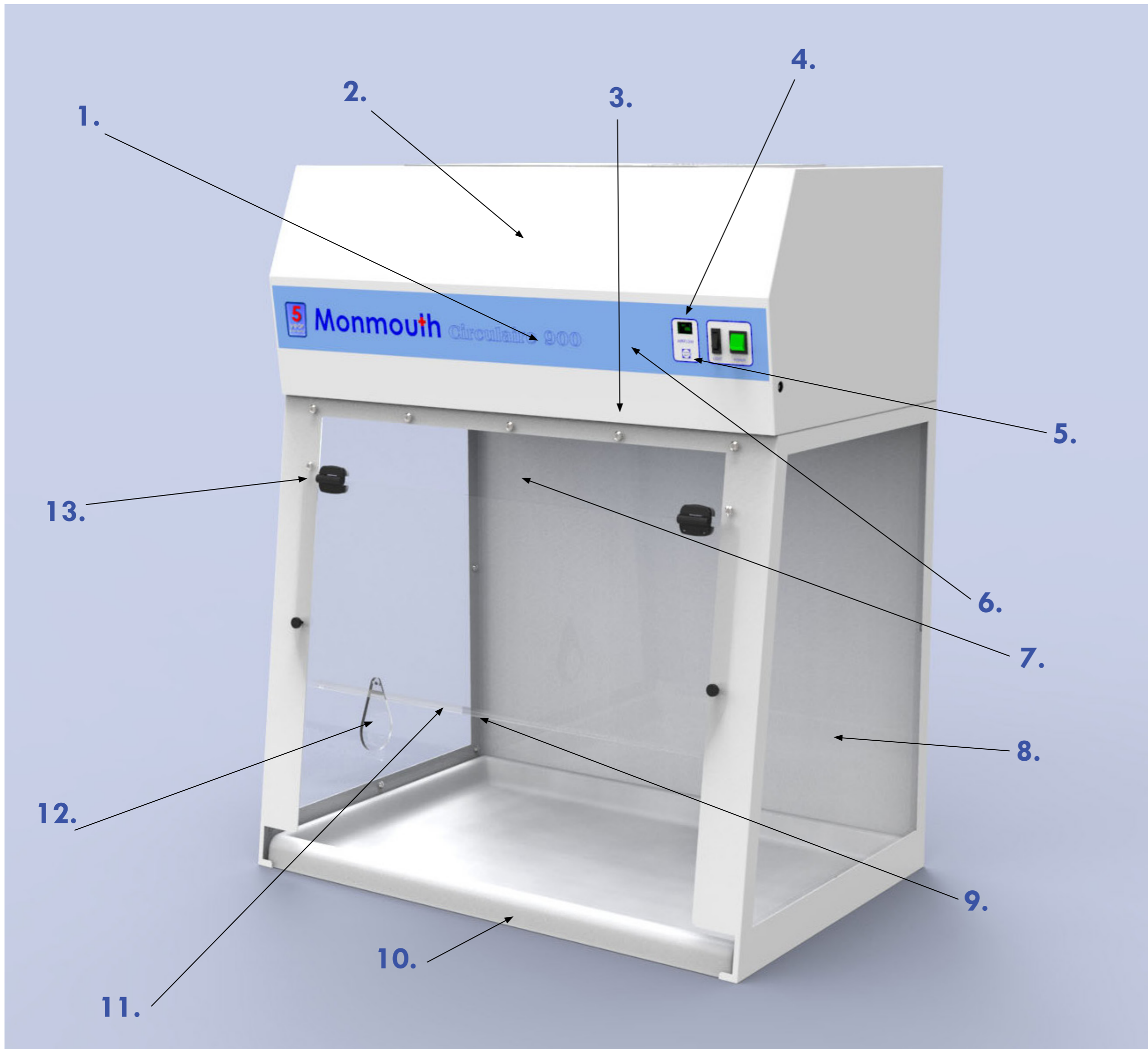
To ensure the cabinet is functioning correctly, every model has an animated colour LCD display showing that the airflow is working within safe and calibrated parameters. If the airflow drops, then the display changes and an audible alarm will sound to alert the user to any maintenance requirements. For critical chemical applications a carbon filter saturation alarm can be included to indicate to the operator when the carbon filter is nearing the end of its life.

The cabinets have been manufactured from epoxy powder coated zintec mild steel to give years of uninterrupted service. For extremely aggressive applications such as working with acids, we can manufacture the whole cabinet from chemically resistant polypropylene. The polypropylene cabinets have the same functionality, features and performance as the steel versions, just with added chemical compatibility.



Designed and manufactured in the UK by our own engineers, these systems are covered by the Monmouth Scientific industry-leading 5 year warranty. This warranty includes parts (not consumables), labour and where applicable, covers repair at your (UK mainland) premises. This is subject to terms and conditions, not limited to annual validation and service by Monmouth trained or authorised engineers.





## Features and Benefits of the cabinets

**Choice of three standard sizes – 550mm, 650mm & 900mm wide**

1. Large Capacity Carbon Filters
2. Low Energy Fan – Just 80w power consumption
3. Easy change pre-filters for gross particulate
4. Animated Colour LCD Display
5. Low airflow alarm with audible and visual warnings
6. **Optional** filter saturation alarm
7. Internal lighting for maximum illumination of the working area
8. Double Side glazing for natural light and comfortable working
9. Aerofoil for smooth airflow into cabinet
10. Optional removable deep lipped spillage tray
11. Fixed large sash opening to ensure optimal containment
12. Cable entry port
13. Hinged front for occasional access to the working area

**Custom versions available**

**Circulaire® 550**  
550mm wide



**Circulaire® 650**  
650mm wide



**Circulaire® 900**  
900mm wide



Specifications	Circulaire® 550	Circulaire® 650	Circulaire® 900
External Dimensions mm (WxDxH)	550 x 600 x 1082	650 x 600 x 1082	900 x 600 x 1082
Internal Dimensions mm (WxDxH)	530 x 600 x 760	630 x 600 x 760	880 x 600 x 760
Working aperture size mm (WxH)	500 x 300	600 x 300	800 x 250
Face Velocity	>0.5m/sec	>0.5m/sec	>0.5m/sec
Airflow	290m <sup>3</sup> /hr	340m <sup>3</sup> /hr	360m <sup>3</sup> /hr
Filter Weight	12kg	14kg	18kg
Pre-Filter	Filtrete		
Internal Lighting	18 watt fluorescent	18 watt fluorescent	18 watt fluorescent
Fan	Centrifugal, Brushless and Sparkless		
Noise Level	<52db(A)	<52db(A)	<52db(A)
Electrical Supply	230v - 80watts	230v - 80watts	230v - 80watts
Construction	Head: Epoxy Powder Coated Zintec Steel* Base: Epoxy Powder Coated Zintec Steel frame* with 6mm clear acrylic front and side panels *Can optionally be manufactured from white chemically resistant polypropylene		
Options	Polypropylene Spillage Tray with or without sink Gas supplies Base Stand Under cupboard Custom sizes for increased height, width or depth		

Carbon Filter Types		Circulaire® Cabinet Compatible filter weights (kg)		
		550	650	900
		Main Filter	Main Filter	Main Filter
AC	General organic compounds (i.e. elemental iodine, solvents, odours etc)	12	14	18
ACID	Acidic compounds (and general organics)	12	14	18
ACR	Alkali compounds (and general organics)	12	14	18
AMM	Ammonia & Amine containing compounds (and general organics)	12	14	18
CYN	Cyanide compounds (and general organics)	12	14	18
ETHER	Ether compounds (and general organics)	12	14	18
FORM	Aldehydes (and general organics)	12	14	18
SUL	Sulphur compounds (and general organics)	12	14	18
MCH	Special blend of up to 4 of the above carbon types	12	14	18
SCHOOLS	Tri-layered filter for schools (and general organics)	12	14	18
HEPA Filters				
HEPA	99.997% efficient @ 0.3 µm – for particulate containment	YES*	YES*	YES*

\*Also available as an outlet filter in conjunction with a main Carbon or HEPA filter - adds 70mm to overall height



# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.