



CONTENTS

FUME HOOD

01

EXHAUST FANS

03

AIRFLOW MONITOR & VARIABLE AIR VOLUME SYSTEM

05

TYPES OF FUME HOOD

06

FUME HOOD SPARE PARTS

08

PVC ACTIVATED CARBON FILTERS FILTERBOX

011

SHOWER AND EYEWASH

013

FUME HOOD

Fume Hood Features

Method fume hoods have certain defining features that set them apart from the rest. Sleek and durable electro-galvanised steel exteriors with grey epoxy coating complement the various laboratory furniture designs. Easy accessibility to the fume hood services such as water, air and electrical makes maintenance effortless. Made to perform, Method fume hoods complies to the various standards in the laboratory environment today. Aesthetic meets functionality is the inspiration behind all Method fume hoods.

Choosing A Fume Hood

Choosing a correct fume hood is essential for the safety of the users as well as the wellbeing of the environment surrounding it. Users should be informed of the purpose and application prior to selection of a fume hood. A well placed position and designed system enhances the effectiveness of the fume hood. Negligence in these aspects may pose potential health risk to users.

Method Laboratory Hoods – Superior Molded Fiberglass Liner

A specially formulated fiberglass reinforced polyester (FRP) forms the interior of Method fume hoods. This single piece, glossy fiberglass offers durability, cleanability, superior light reflectivity, and chemical resistance. Test results also show that a unique formula in Method fiberglass produces excellent fire resistance, an important feature in a fume hood.

The chart below indicates Method's fiberglass chemical resistance to some of the commonly used chemicals in laboratories:

Chemical	Condition for Normal Use	Condition for Heavy Use
Acetic Acid	OK	OK
Fatty Acids	OK	OK
Formaldehyde (44%)	OK	OK
Hydrochloric Acid	OK	OK
Hydrofluoric Acid	OK	Slight Discolouration
Hydrogen Peroxide	OK	Slight Discolouration
Nitric Acid (30%)	OK	Slight Discolouration
Phosphoric Acid	OK	OK
Tannic Acid	OK	OK
Sulphuric Acid (30%)	OK	Slight Discolouration

Alternative Materials

If electro-galvanised steel exterior with inner liner fibreglass is not suitable, Method can offer various combinations of finishes to meet your fume hood requirements. Below are some of the options available:

External Material	Internal Material
Electro-galvanised steel	Fiberglass
Fiberglass	Phenolic Resin
Stainless Steel	Stainless Steel
Mild Steel	Polyvinyl Chloride (PVC)

Hood Internal Liner Materials

Liner Material	Chemical Resistance	Moisture Resistance	Heat Resistance
Fiberglass	Excellent	Excellent	Excellent
Phenolic Resin	Good	Excellent	Excellent
Stainless Steel	Good	Excellent	Excellent
PVC	Very Good	Excellent	Poor

Details of Method Fume Hood

- Sizes : (1000 / 1200 / 1500 / 1800) x 800 x 2430mm
- Exterior : Electrogalvanised Steel with Epoxy Powder Coating
- Interior : Fiberglass
- Worktop : 19mm Chemical Resistant Epoxy Resin Worktop
- Sash : 6mm Clear Tempered Glass
- Base Cabinet : CRS / Electro-Galvanised Steel
- Fittings : 1 units LPG & 1 Water (Additional Available Upon Request)
- Electrical : 2 units 13 Amps Socket (Spark Proof Available Upon Request)
- Lighting : Fluorescent (Explosion Proof Available Upon Request)
- Duct Size : 8" / 10" / 12"

EXHAUST FANS

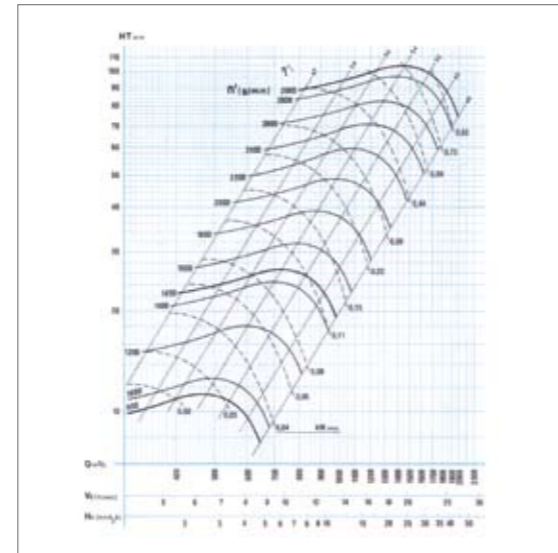
Method fume hoods performance and functionality are derived from its exceptional and high performance centrifugal fans. Method offers the choice of fibreglass (FRP) and polypropylene (PP) fans.

Method FRP fans are locally manufactured and assembled and suited for various use in laboratories. It is highly affordable and a popular choice amongst fume hood users. Suitable to be used with 8" size inlet. Method PP fans are imported from Europe and assembled locally. These PP fans are for those who seeks consistent superior performance & durability. Various models are available to ensure that all performance requirements are achieved. Suitable to be used with 8", 10" and 12" duct size.

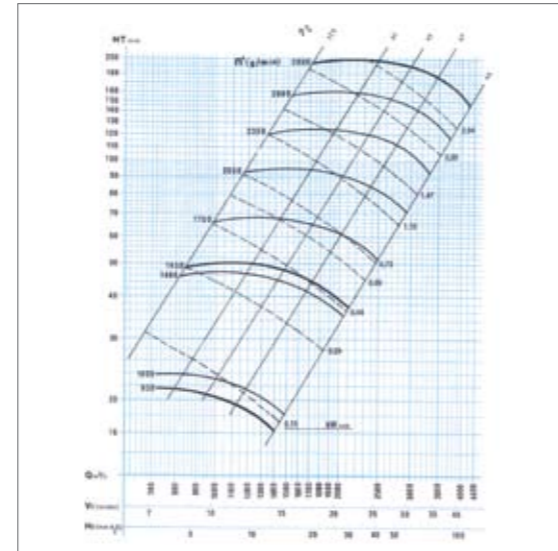




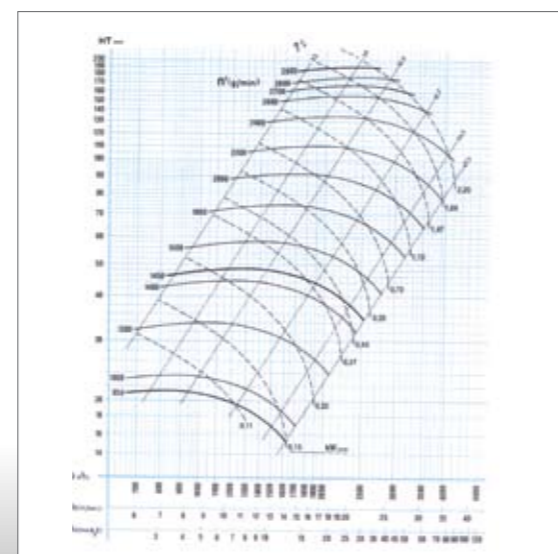
MODEL	Q m ³ /h	Ht mmH ₂ O	Hs mmH ₂ O	kW	HP	g/min rpm	dB(A)	kg	kg EEx-d
VSB 20 8"	500	11	8	0,18	0,25		45		
	600	25	21			950		8	15
	720	26	20	0,18	0,25		57		
	950	21	11			1450			
	1100	95	82						
	1300	102	83	1,1	1,5		70	13	27
	1600	100	71			2900			



MODEL	Q m ³ /h	Ht mmH ₂ O	Hs mmH ₂ O	kW	HP	g/min rpm	dB(A)	kg	kg EEx-d
VSB 23 10"	720	22	20	0,18	0,25	950	57		
	1300	17	6				60	13	23
	900	49	44				58		
	1100	50	42						
	1300	49	38	0,55	0,75	1450			
	1450	48	34				62	15	27
	2000	39	13				66		



MODEL	Q m ³ /h	Ht mmH ₂ O	Hs mmH ₂ O	kW	HP	g/min rpm	dB(A)	kg	kg EEx-d
VSB 25 10"	900	21	17	0,18	0,25	950	57	13	23
	1500	21	6				60		
	1100	48	42	0,55	0,75	1450	58	15	27
	1450	48	38				62		
	2200	40	17				66		
	1800	185	170	2,2	3	2900	70	26	43
	2200	190	167				72		



AIRFLOW MONITOR & VARIABLE AIR VOLUME SYSTEM

Airflow monitor acts as a safety feature as it displays actual face velocity. An audible alarm will sound if the face velocity falls below set limits.

VAV systems are recommended for high end and high performance requirements. This system maintains face velocity of fume hood regardless of sash position. Besides saving electricity, this ensures fume hood will be constantly operating at optimal level.

Please enquire for more information.



TYPES OF FUME HOOD

General Purpose Fume Hood (MEFH 10/12/15/18)

The most common and basic unit fume hood offered. Exhaust volume is maintained regardless of sash position. This model comes with a manual damper which is installed within the duct system to control volume. Highly affordable and suitable for various and daily lab applications (Except perchloric acid, hydrofluoric acid and radioisotope applications).



Double Sided Fume Hood (MEDH 12/15/18)

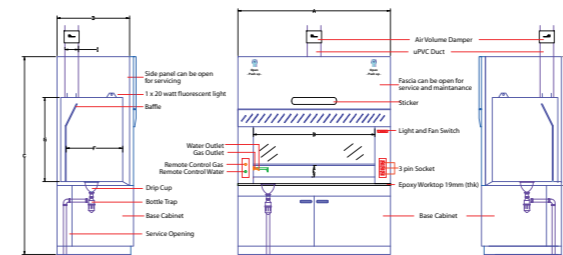
This model gives flexibility of using both sides of the fume hood to perform laboratory applications. Space saving and affordable this model is commonly used to replace conventional fume hoods in two adjacent rooms. Only requires one ducting system to operate. Suited to be used with 10" or 12" duct.



Full Glass Fume Hood (MEGH 12/15)

The full glass fume hood is designed to meet the growing requirements of instructional laboratories. Clear glass at all sides of the fume hood enhances visibility for conducting demonstrations makes it a popular choice for educational purposes. Only available in 1200mm and 1500mm.

GENERAL PURPOSE FUME CUPBOARD



Fume Cupboard Width 'A'	Internal Width 'B'	Overall Height 'C'	Overall Depth 'D'	Sash Full Height Opening Depth	Work Surface Working Depth	Internal Working Height 'E'	Fume Hood Height 'F'	Size of Duct Outlet 'G'
1000 mm	700 mm	2400 mm	800 mm	0 mm - 600 mm	570 mm	1160 mm	1500 mm	203.2 mm
1200 mm	900 mm							203.2 mm
1500 mm	1200 mm							203.2 mm
1800 mm	1500 mm							254 mm

Perchloric Acid Fume Hood (MEPH 12/15/18)

This fume hood is a necessity when dealing with the highly explosive and flammable perchloric acid. With an inbuilt wash down system, integral work surfaces and drainage troughs and a detached water scrubber system, the fumes are prevented from accumulating potentially reactive perchloric salts.

Water Scrubber System (MES 100)

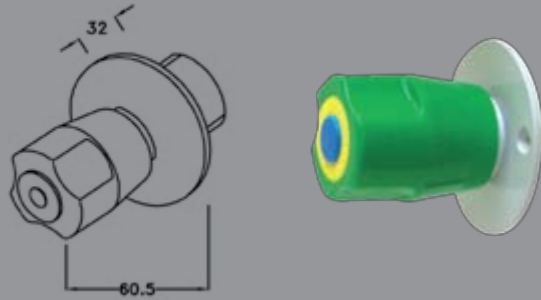
Method vertical water scrubber is specially design to reduce the content of toxic without the fumes by cleansing with water. Replaceable filters within the system acts as containment and cleansing component. Internal structure constructed with FRP and with a recirculating tank and chemical resistant pump, provides users with an easy to operate and low maintenance scrubber. The dual viewports allow for easy cleansing and maintenance. Neutralising solution can be added to further enhance effectiveness. Optional PH meter is available upon request. Recommended to be used with at least 10" ducting system.



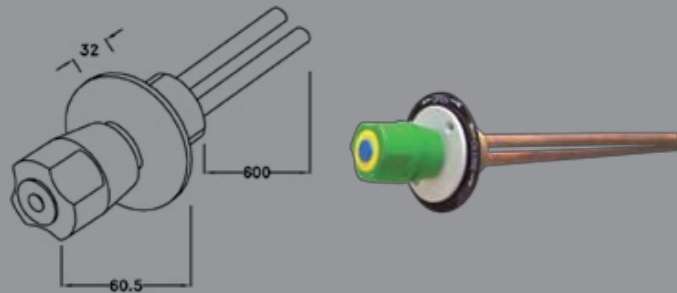
FUME HOOD SPARE PARTS

Most of the parts used within Method Fume Hood can be easily found and replaced if needed. Parts include:

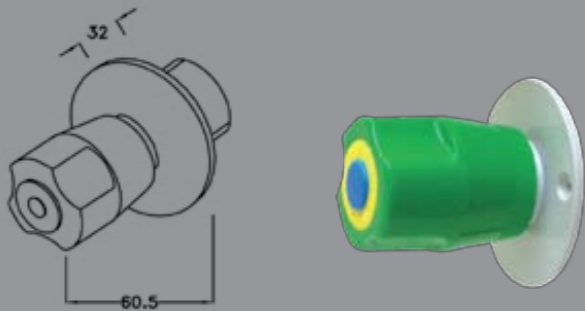
- 1) Base Cabinet
- 2) Centrifugal Fan
- 3) Water Service Fixtures
- 4) Gas Service Fixtures
- 5) Sash System



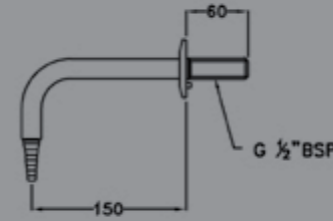
BM160-SC
Demin water panel mount valve 1/4 bsp connections



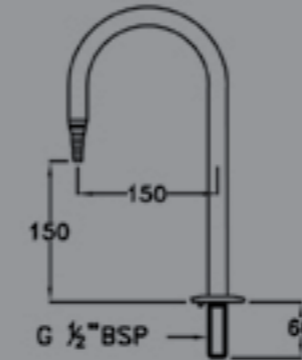
BM112-CT
Panel mounted water valve with copper tubes
10mm o.d. x 600mm long



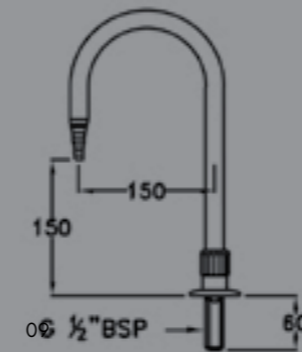
BM112-SC
Panel mounted water valve with screwed 1/4 bsp
inlet & outlet



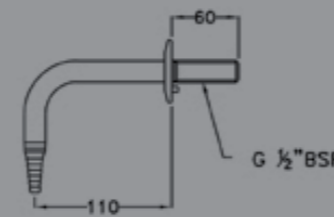
BM163-OB1
Demin water wall outlet with fixed serrated nozzle



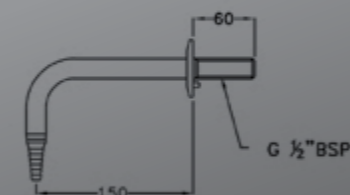
BM111-2B1
Bench mount fixed swanneck outlet with fixed serrated
nozzle
BM111-2B2
Bench mount fixed swanneck outlet with removable
serrated nozzle



BM121-2B1
Bench mount swivel swanneck outlet with fixed serrated
nozzle
BM121-2B2
Bench mount swivel swanneck outlet with removable
serrated nozzle

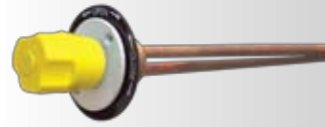
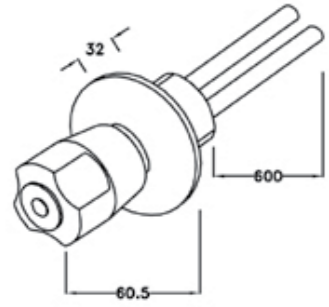


BM113-OB1
Wall mount outlet 150mm to nozzle with fixed serrated
nozzle
BM113-OB2
Wall mount outlet 150mm to nozzle with removable
serrated nozzle

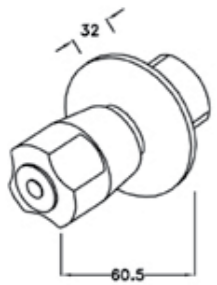


BM113-0A1
Wall mount outlet 110mm to nozzle with fixed serrated
nozzle
BM113-0A2
Wall mount outlet 110mm to nozzle with removable
serrated nozzle

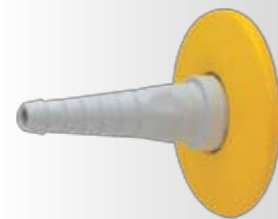
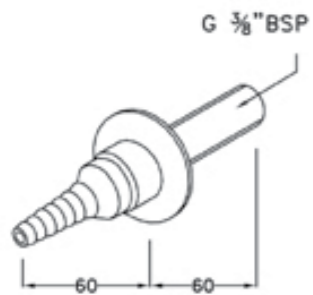
PVC ACTIVATED CARBON FILTERS FILTERBOX



BM212-CT / BM412-CT
Panel mount needle valve copper tube
10mm o.d. x 600mm long

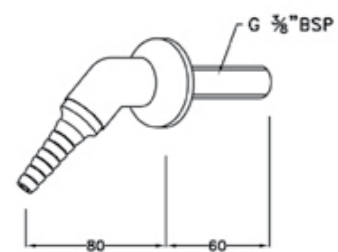


BM212-SC / BM412-SC
Panel mounted needle valve
screwed 1/4 bsp inlet and outlet



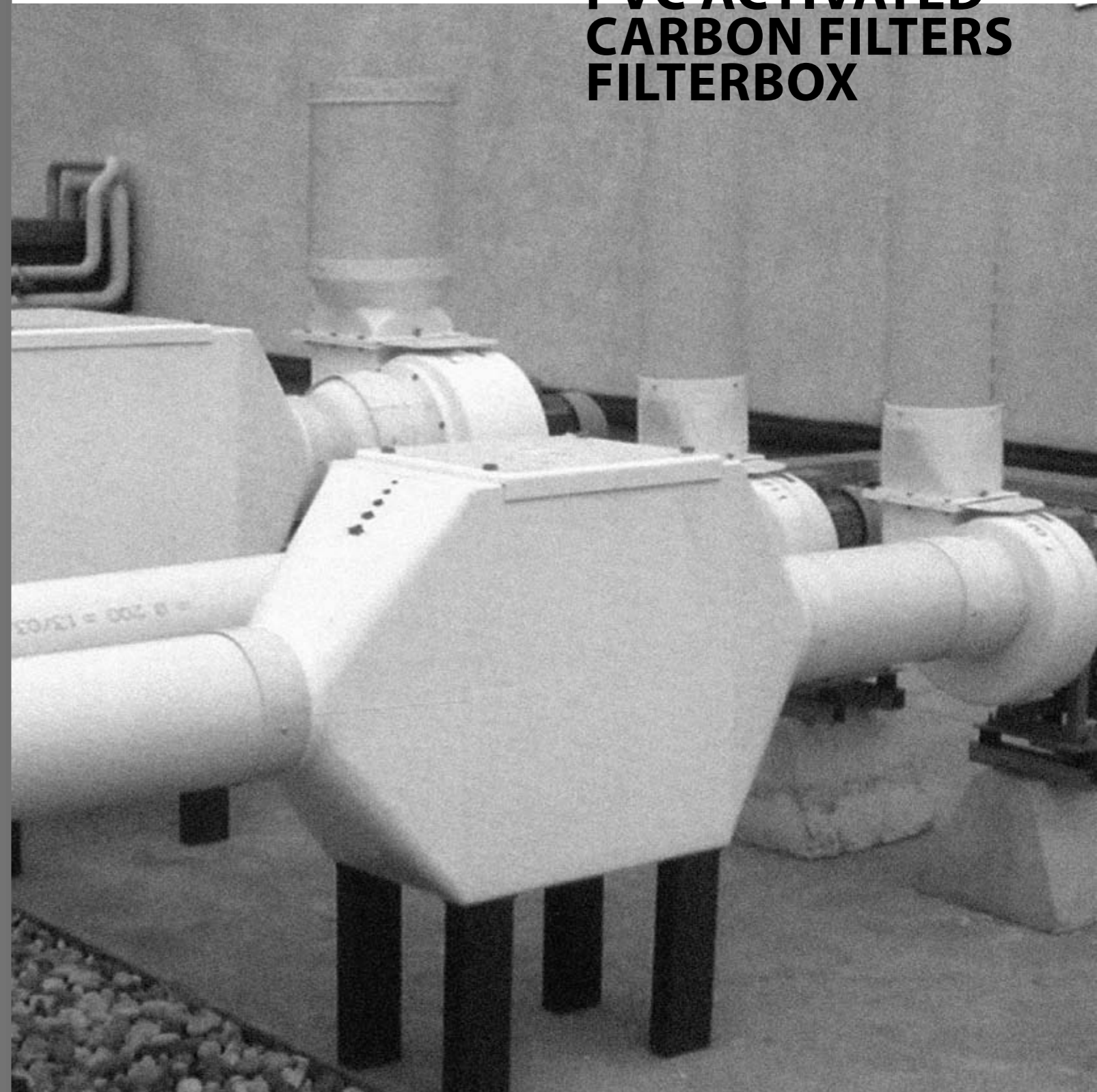
BM221-1
Wall straight nozzle outlet
with fixed serrated nozzle

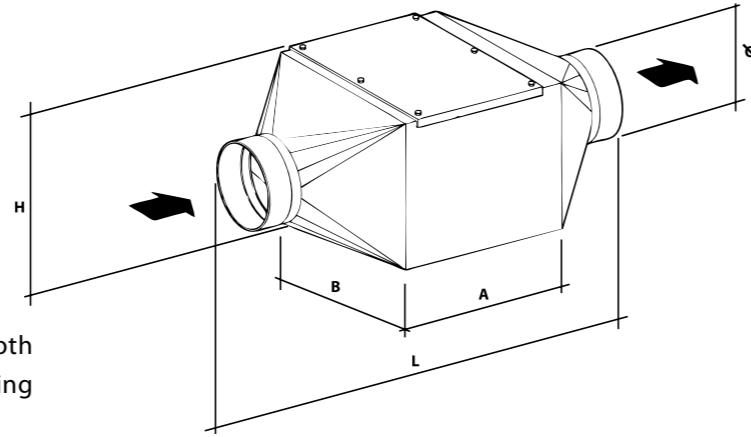
BM221-2
Wall straight nozzle outlet
with removable serrated nozzle



BM231-1
Wall 45° nozzle outlet
with fixed serrated nozzle

BM231-2
Wall 45° nozzle outlet
with removable serrated nozzle





The control of atmospheric emissions involves both the comfort and the ecological aspect of working environments.

Respect for the environment, the EEC directives, and the well-being of the people who work in laboratories are all factors that require the use of systems which hold back acids or solvents present in chemical processing discharge, with a resulting air purification.

The **FilterBox** PVC activated carbon filters are the answer provided by **Method** to the problem of air filtering.

Main characteristics:

Great absorption capacity, due to the activated carbon plates especially designed to filter fumes in laboratories.

Optimum aeraulic efficiency, due to the special pipe fittings that optimise air distribution inside the filter, reducing pressure losses.

Completely manufactured in acid-proof PVCC. All its components are resistant to checcal agents.

High-performance pre-filter

It protects the activated carbon from dust, which increases performance and durability; it has an anticorrosive injection-moulded housing that makes it easy to be repaced.

It can be installed outdoors, thanks to the PVC cover that protects it against rainfall and its polypropylene screws.

Eays and rapid installation

combines with reduced sizes.

Safe maintenance operations

can be performed thanks to the compact carbon plates that has been designed to avoid the risk of breathing in noxious powders during replacement operations.

Cost-effectiveness:

the separation of the pre-filter from the carbon plates enables the pre-filter to be cleaned without having to replace the carbon plates as well.

Method recommends installing **FilterBox** combined with the series of **PP fan** anti-acid aspiration units.

RECOMMENDED SAFETY PRODUCTS FOR FUME HOOD USERS

Safety is a critical aspect for every fume hood user. Constantly exposed to various chemical hazards, accidents may not be completely preventable. To protect and relieve chemical hazard victims, safety fixtures are a necessity. Method has a wide range of ANSI Z 358.1 certified safety fixtures which will meet the various safety and design requirements.

Floor Mount Combination Unit of Drench Shower and Eyewash with Stainless Steel Bowl C/W Foot Pedal

ECB 10022 SS GIC10022SS

Our combination unit of drench and eyewash is popular in workplace where fire and chemical spillages may occur. All control valves are the instant action, stay open type of ball valve.

Standard Fixtures:

Shower and Eyewash Bowl: 250mm (10") bowl in high polished stainless steel.

Eyewash Sprayhead Assembly:

Chrome plated brass with ABS sprayheads assembly with double soft-flow eyewash heads and instant flip-open protective dust cover. The built in automatic compensating valve assures safe steady flow under varying water supply conditions.

Control Valves: 1" fast-action stainless steel ball valve is used for the shower head stainless pull rod. 1/2" fast-action stainless steel ball valve is used for the eyewash assembly with stainless steel push plate.

Pedestal: 250mm (10") sand cast iron pedestal with 3 mounting holes for 9mm bolts. Pedestal is powder coated in yellow.

Pipe and Fittings: 1 1/4" stainless steel schedule 10 pipes fully coated in corrosion resistant epoxy powder in yellow colour.

Waste: 1 1/4" IPS

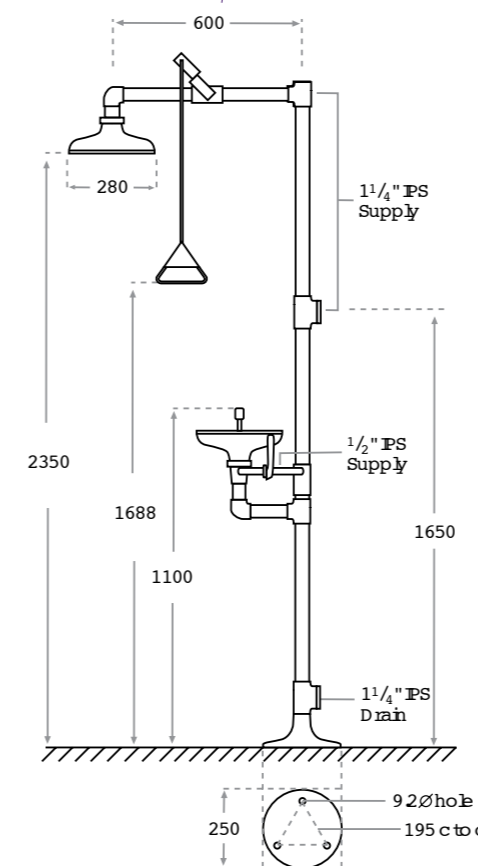
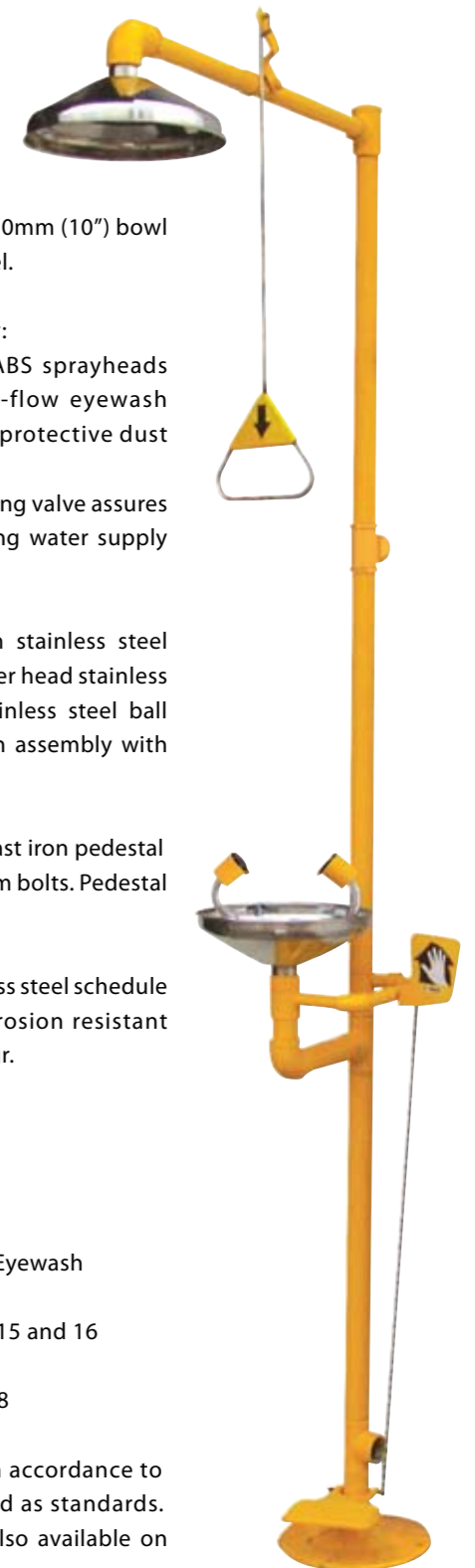
Water Supply: 1 1/4" IPS

Signage: Drench shower and Eyewash

Options: Please refer to page 15 and 16

Compliance: ANSI Z358.1-1998

Pipe Threads: Pipe threads in accordance to BS 21 or DIN 259 are supplied as standards. ANSI B2.1 pipe threads are also available on request.



Wall Mounted Eyewash with Stainless Steel Bowl

EY 5050 SS

Where space may be a constraint, METHOD wall-mount eyewash fits easily into your workplace. Eyewash works quickly with a simple push of its highly visible handle. METHOD eyewash sprayheads use the soft-flow aerators and automatic pressure compensating valve inbuilt in the sprayhead assembly.



Standard Fixtures:

Eyewash Bowl: 250mm (10") bowl in high polished stainless steel for long lasting use and recommended for out-door installation.

Sprayhead Assembly: Chrome-plated brass with ABS sprayheads assembly with twin, soft-flow eyewash heads and instant flip-open protective dust-cover. The built in automatic pressure compensating valve assures safe steady flow under varying water supply conditions.

Control Valve: Stainless steel 1/2" IPS valve that stays open until manually closed. Control valve is operated by a large, highly visible stainless steel push-plate.

Pipe and Fittings: 1/2" sch.10 stainless steel pipe epoxy powder coated to bright yellow colour.

Wall Bracket: Aluminium wall-mounting bracket epoxy powder coated to bright yellow with 3 mounting holes. (Bolts by others)

Waste: 1 1/4" IPS tail piece.

Signage: Eyewash.

Options: a) Foot pedal assembly for user to operate without using hand.

Please ask for MODEL EY 5115 SS

b) For face-wash assembly,
please ask for MODEL FM 77-GH

(Optional items are at extra cost)

Compliance: ANSI Z358.1-1998

Pipe Threads: Pipe threads in accordance to BS 21 or DIN 259 are supplied as standards. ANSI B2.1 pipe threads are also available on request.

