

Dynaflow GRP Fume Cupboards

Company Profile

Dynaflow is an Australian based company specialising in laboratory fume risk control. We design, manufacture, install, and maintain fume cupboards, fume scrubbers, and specialised ventilation systems for laboratory applications.



Dynaflow fume cupboards are fully compliant to AS/NZS 2243.8 standard and is the only Australian fume cupboard with Third Party Product Certification by SAI Global.



Our company has Third Party Accreditation with NATA.



Our company has Third Party Accreditation with SAI Global for ISO9001 Quality Management Systems.

We have a strong network of support with offices in Sydney, Melbourne, Adelaide, Perth and distributors in various regions of the world. With over 30 years of product history in Australia and over 40 countries around the world, we have completed thousands of Special Application projects in key industries spanning Research, Teaching, Mining, Refinery and Pharmaceutical.

“Nothing Left to Chance”



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CONTACT

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Application

- Chemistry Research Laboratories and Teaching Laboratories in Universities
- Low Level Radioactive use
- Aqua Regia and Digest Sample testing application in conjunction with fume scrubbers in Mining Laboratories

Product Data

- Full Compliance to AS2243.8 and ASHRAE 110 requirements
- Can be used as a High Efficiency and Low flow Performance fume cupboard at 0.3 m/s face velocity
- Available in 1200, 1500, 1800, 2000 and 2400 mm wide sizes
- Body construction of double skin fire retardant GRP which is a market tested material for chemical, temperature and humidity resistance
- One piece moulded GRP “Picture Frame” Front Facia which allows aerodynamic air flow even at **low face velocity (~0.3m/s)**
- Work surface options available in Single one piece High Pressure Laminate (Trespa® or Labolam®), Stainless Steel Lining, Epoxy (Durcon), One Piece Ceramic
- Dynasafe MK-5 Control Panel with 41 built-in functions
- **Auto-sash option** available (auto closing with proximity sensors) which provides energy conservation

Range of Dynaflow Products and Services

- Dynaflow SCH / DSCH Fume Cupboards (AS2243.8)
- Dynaflow GRP Fume Cupboards (AS2243.8)
- Dynaflow Recirculating Fume Cupboards (AS2243.9)
- Dynaflow WALKIN Fume Cupboards (AS2243.8)
- Dynaflow Fume Scrubbers and Exhaust Systems
- Dynaflow Explosion-Resistant Fume Cupboards (AS2243.8)
- Dynaflow Disabled Access Fume Cupboards (AS2243.8)
- Slotted Wall Hood and Fixed Hood Exhaust Systems

- Dynawaste Acid Neutralising Waste Systems
- Managed service contracts, web based compliance viewer and user training in correct use of fume cupboard systems
- Safety compliance upgrades on existing fume cupboard systems
- Energy conservation features and upgrades on fume cupboard systems
- Laboratory Extraction Arms (third party supplier)
- Storage cabinets complete with ducted vent systems

Model	Dynaflow 1200GRP	Dynaflow 1500GRP	Dynaflow 1800GRP	Dynaflow 2000GRP	Dynaflow 2400GRP
External Sizes (mm)	1200 x 890 x 1550	1500 x 890 x 1550	1800 x 890 x 1550	2000 x 890 x 1550	2400 x 890 x 1550
Design Face velocity	0.5 meters / sec				
Maximum Air Qty at Design velocity	311 Litres / Sec	405 Litres / Sec	498 Litres / Sec	561 Litres / Sec	685 Litres / Sec
Variable Volume (sash Fully Open)	311 Litres / Sec	405 Litres / Sec	498 Litres / Sec	561 Litres / Sec	685 Litres / Sec
Variable Volume (sash Open 250 mm – working height)	124 Litres / Sec	162 Litres / Sec	200 Litres / Sec	224 Litres / Sec	274 Litres / Sec
Variable Volume (sash Fully Closed)	50 Litres / Sec	65 Litres / Sec	80 Litres / Sec	90 Litres / Sec	110 Litres / Sec
Worktop Material	High Pressure Laminate LABOLAM® (Std) – Optional TRESPA®, Stainless Steel, Epoxy, Ceramic				
Available Work Area (mm)	1000 x 580	1300 x 580	1600 x 580	1800 x 580	2200 x 580
Construction Design	Double Skin Type				
Sump Material	One Piece Moulded GRP (Std) – Optional flat base worktop				
Chamber Material	One Piece Moulded GRP (Std) – Optional Stainless Steel				
Aerodynamic Front Facia Material	One Piece Moulded GRP Aerodynamic Design				
Sash Material	6 mm Toughened Glass				
Recommended Duct Outlet Size (mm)	250ø	315ø	315ø	315ø	350ø
Operator Control Panel	Dynasafe MK-5 Control System				
Internal Pre-wiring	Fully Pre-wired				
Power Supplies	240V Single Phase (Std) – Optional as necessary for various countries				
Energy Saving Option	Auto-Sash – Automatic closing with proximity sensors				
Services Options					
Extra Sinks in sump (mm)	200 x 150 x 150 RHS/LHS or Both (Other sizes available)				
Water Services	Cold water, Hot Water, RO Water, Mixer, Chiller				
Dry Services	Town Gas, Nitrogen, Compressed Air, Vacuum, Argon and various others available				
Power Points	10 Amp Double, 15 Amp Single and Other special types available				
Side Ports	Cable ports on both or either side				

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