

Dangerous Goods Cabinets

TPE offers a wide range of cabinets suitable for storage of dangerous chemicals in the laboratory.

TPE's dangerous goods cabinets are available in one, two, and three-door models to fit underneath fume cupboards or laboratory benching. Mid-height (1100mm) models are available in three standard widths. In addition, taller cabinets can be built on request, as high as 1650mm. TPE welcomes customer requests for custom cabinet sizes or non-standard fittings.

Cabinet Construction

The materials of the Class 3, 4, 5 and 6 cabinets must withstand 850 deg C with all seams welded. The steel construction is 1.2mm thick including both skins with a 40mm air cavity. Adjustable upper shelving is standard in all under bench cabinets. Adjustable feet, self-closing doors with two point latching, lockable handles, and a 50mm vent spigot is included. Class 4 and 5.1 cabinets feature magnetic latching only to minimise explosion risk.

TPE's flammable cabinets conform to the following standards:

- Class 3 Flammable Liquids – AS/NZS 1940:2017
- Class 4 Flammable Solids – AS/NZS 5026:2012
- Class 5.1 Oxidising Substances – AS 4326-2008
- Class 6 Toxic Substances – AS/NZS 4452:1997
- Class 8 Corrosive Substances – AS 3780-2008



The Class 8 cabinets are constructed from white fire-retardant polypropylene (FRPP), with a 150mm bund, and removable shelving. Adjustable feet, self-closing doors with two point latching, lockable handles and a 50mm vent spigot is included.



Standard sizes and configurations

TPE's 'Unit Capacity' measurement (seen in the table below) is based on a liquid capacity when stored in 2.5 litre Winchester bottles. The external height measurement includes the adjustable feet extended.

Under-Fume Cupboard cabinets are made at a standard depth of 430mm to allow for sinks and plumbing services, Under Bench cabinets have a standard depth of 510mm. Custom sizing is also available on request.

	Nominal Storage Capacity	External Dimensions (mm)			Format	
		Width	Height	Depth	Number of Doors	Rows of Shelves
Under-Fume Cupboard Cabinets Under Bench Cabinets with a depth of 510mm available	30 Litre	580	760	430	1	2
	40 Litre	650			1	
	50 Litre	920			2	
	60 Litre	1120			2	
	80 Litre	1420			2	
	100 Litre	1720			3	
Upright (tall) Cabinets	60 Litre	650	1080	500	1	3
	80 Litre	650	1400		1	4
	90 Litre	1120	1080		2	3
	120 Litre	1120	1400		2	4

Please note TPE can fabricate custom size cabinets to suit, please ask us how we can help with this.