Flammable Storage Cabinets to EN14470-1

Exacta & Optech

High quality safety cabinets for the storage of inflammables, certified fire-resistant for 90 minutes, certified by BVQI (Bureau Veritas Quality International) to EN14470-1.

Construction

Electrostatically galvanised, external sheet steel panels finished in grey, thermo-set (minimum 90μm thick) epoxy resin, with "rockwool" solid slab thermal insulation, 90-minute fire resistant according to EN14470-1 regulations and melamine-faced chipboard, internal panels. Free-standing (not underbench) cabinets have height adjustable, AISI 304 stainless steel, tray-type shelves (see table) which can contain small leaks and spillages. Maximum loading per shelf 100kg. A gridded base trough is also provided in all cabinets for easy collection/disposal of larger spillages. Cabinets are designed without a central rib allowing easy shelf removal/replacement. Self-closing, single vent outlets are provided in the roof and at the base for venting heavier-than-air fumes. An additional 100mm diameter vent connector with blanking plug is provided in the roof for connection to an existing extraction system. All cabinets have lockable doors (see table) with automatic, oil damped, hydraulic piston closure, are labelled in accordance with DIN V4844-1 and supplied with instructions to DIN V8418.

Safety features

All cabinets feature self-sealing ventilation ports. Doors exert a pressure of no more than 100N when closing to prevent injury and full height, non-sparking hinges. Both door edges and frames have 30mm wide, mineral fibre reinforced, graphite-based, intumescent strip seals to DIN 4102 which automatically expand when the ambient temperature exceeds a safe level. A cabinet earthing plate is also provided for grounding to dissipate static charge.

Note:
Due to the large size and weight of these units the user must ensure that suitable space area, floor loading and access for installation is available prior to ordering. They are installable by the user and delivery therefore will only be made to the customers unloading area.

Catalogue No.		SB855-12	SB855-17	SB855-27	SB855-37
Capacity*	litres	80	160	360	800
Doors		1	2	1	2
Shelves x spill capacity*		—	—	3 x 4 litres	3 x 9 litres
Base trough	litres	7.5	16	20	45
Overall	H mm	620	620	2055	2055
	W mm	595	1090	600	1200
	D mm	520	520	595	600
Weight	kg	82	134	235	390

*Approximate capacities.

As described. With adjustable tray shelves as indicated and instructions.

SB855-12 Flammable storage cabinet, 80 litres
SB855-17 Flammable storage cabinet, 160 litres
SB855-27 Flammable storage cabinet, 360 litres
SB855-37 Flammable storage cabinet, 800 litres

Accessories and Spares

Door latches for SB855-27 and SB855-37 only

Hold the doors open, allowing both hands to be used during loading/unloading. The door is then closed by pressure on the door to release the latch. An override automatically closes the door should the ambient temperature exceed 50°C. Please note: one latch per door is required.

SB857-06 Right-hand door latch for SB855-37 only
SB857-08 Left-hand door latch for SB855-27 and -37

Extraction fan

With IP44-rated motor to DIN40050, flow rate 260m³/h. Housed in a glass-fibre reinforced polyamide resin case which is antistatic and corrosion resistant. Includes sliding drawer for accessory activated carbon filters. For 220-230V 50Hz single phase supplies. Without filter.

SB857-12 Extraction fan for SB855 series
SB857-19 Carbon filter for acids and organic solvents

Additional tray shelves

	For cabinet	H x W x D, mm
SB857-44	SB855-12	30 x 480 x 330
SB857-48	SB855-17	30 x 975 x 330
SB857-51	SB855-27	39 x 493 x 420
SB857-54	SB855-37	39 x 1094 x 420

SB855-12

SB855-17

SB855-27 in use

SB855-37