



Schools and nurseries

Description of furniture



CONTENTS

1.0 CUPBOARDS	
1.1 Carcass	4
1.2 Shelves	4
1.3 Plinths	4
1.4 Infill panels	4
1.5 Light	4
2.0 DOORS	
2.1 Laminate doors	5
2.2 Customised doors	5
2.3 Doors with glass	5
2.4 Hinges	5
2.5 Handles	6
2.6 Locks	6
2.7 Drawers	6
2.8 Wire baskets / Internal trays	6
2.9 Trays	6
3.0 WORKTOPS	
3.1 Laminate	7
3.2 Compact laminate	7
3.3 Solid beech	7
3.4 Stainless steel	7
3.5 Composite / Corian	7
3.6 Brackets	7
4.0 SINKS	
4.1 Stainless steel	8
4.2 PVC	8
4.3 Polypropylene (PP)	8
5.0 FUME CUPBOARDS	9

1.0 CUPBOARDS

1.1 CARCASS

The carcass is made of 19 mm white melamine-coated chipboard finished according to DIN 68763 and 4 mm HDF nailed back panel. Carcass parts are fitted with 2 mm rounded ABS edging. The cupboards are assembled with glue and dowels.

Poison- and chemical cupboards are supplied with the bottom being drawn in for air intake. Air gap between shelves and back panel.

1.2 SHELVES

The shelves are made of 19 mm melamine-coated chipboard. The shelves have high load capacity and can be supported further if needed. Carcass for moveable shelves is made with holes at 32 mm intervals for the shelves. Surface meets the requirements of DIN 68763.

Standard supply is 4 shelves per tall storage cupboard and 1 shelf per wall/underbench cupboard.

Cupboards from width 800 mm are supplied with 22 mm melamine-coated shelves. Reinforced shelves for extra heavy duty can be ordered.

1.3 PLINTHS

Standard plinths are made of 16 mm anthracite grey melamine-coated chipboard. Each cupboard installation can be supplied with a shared plinth or a single plinth by a single cupboard. Alternatively plinths can be purchased with a high-pressure laminate surface. Please refer to our standard colours.

1.4 INFILL PANELS

Infill panels for cupboards are made of melamine-coated chipboard, similar to carcass, in standard width 50 mm. Laminate infill panels in colours on request can be purchased.

1.5 LIGHT

Under each wall cupboard a pelmet light can be installed. The pelmet light is made of 18 mm laminate-coated chipboard in standard colours.

2.0 DOORS

2.1 LAMINATE DOORS

Doors are made of 16 mm chipboard with high-pressure laminate on both sides and with the following standard edges:

- Glued/sealed edges
- Laquered beech, 8 mm
- Laquered ash, 8 mm
- Laquered birch plywood, 8 mm
- ABS plastic edging (black or white), 2 mm

Edging in additional colours available if requested.

2.2 CUSTOMISED DOORS

Doors are made of 16 mm chipboard with following surface options:

- Front, back and edges with 0.9 mm solid core high-pressure laminate (solid coloured to avoid black edges)
- Front with surface like blackboard or whiteboard. Back in white laminate
- Fenix front. Nanotechnology with extra strong durability. Back in white laminate

2.3 DOORS WITH GLASS

Doors are made of 16 mm chipboard with high-pressure laminate on both sides and ABS edges.

The front is made without any visible joints. The glass is made of 4 mm toughened glass. The glass is attached to the back with a cleanable plastic list.

2.4 HINGES

Available standard hinges:

- **Hinge, ST**
Hinges are visible from the outside with a 270 degree opening angle. The hinge is tested and approved for a load capacity of at least 45 kg. The hinge is fitted to the routed door. Adjustable screw on carcass side. The hinge has an integrated lock.
- **Hinge, Hercules**
Hinges are visible from the outside with a 270 degree opening angle. The hinge is tested and approved for a load capacity of at least 150 kg (Danish Technology Institute). The hinge is easy to clean. The door is supplied with magnetic bracket.
- **Hinge, hidden**
Hinge for exterior doors. Bluemotion 110° opening angle with soft close. The hinge is tested and approved for a load capacity of 30 kg.
Recommended only for kitchens with limited usage.

2.0 DOORS

2.5 HANDLES

Standard handles are with 10 mm diameter with a centre distance of 160 mm and a rosette of 25 mm diameter. Rosette is optional.

Colour in aluminium look. Additional colours and models are available upon request.

2.6 LOCKS

Additional choice: cut-out for lock.

Different types of locks are available: RUKO, furniture locks, electronic locks etc.

2.7 DRAWERS

Drawers with metal sides, soft close and 100% extension. Drawer bases and backs are made of 16 mm white melamine-coated chipboard.

Drawers have a load limit of 45 kg. Drawers with 70 kg capacity can be purchased additionally.

2.8 WIRE BASKETS / INTERNAL TRAYS

Internal trays are available as drawers. Wire baskets are in powder-coated steel with 100% telescope extension and soft close.

2.9 TRAYS

Trays are designed for schools and laboratories. Empty trays are stackable.

Width 312 mm and length 427 mm. Heights 75 – 150 – 300 mm. Available in different colours.

The trays can be installed in cupboards from ST Skoleinventar or in mobile units.

3.0 WORKTOPS

3.1 LAMINATE

Worktops are made of 27 mm high-pressure laminate coated chipboard with following standard edging:

- Glued/sealed edges
- Laquered beech, 14 mm
- Laquered ash, 14 mm
- Laquered birch plywood, 14 mm
- ABS plastic edging (black or white), 2 mm

3.2 COMPACT LAMINATE

Worktops are made of 16 mm compact laminate with the following as standard:

- Chamfered edges 1x1 mm or 2x2 mm
- Standard supply in colours: pastel grey, black, white, light grey and neutral middle grey. All with black core. Additional colours available upon request.
- Acid-proof compact laminate are available on colours: light grey, pastel grey, black and white. All with black core.

3.3 SOLID WOOD

Worktops are made of 30 mm solid, finger jointed wood in following qualities:

- Oiled or laquered solid beech
- Black stained solid beech
- Edging by request
- A wide range of other wood species are available

3.4 STAINLESS STEEL

Worktops are made of stainless steel grade 304 or acid-proof stainless steel grade 316 with or without marine edging and a 22 mm plastic-coated chipboard on the back. Worktops with sinks are made of welded steel sink with or without overflow.

3.5 COMPOSITE OR CORIAN®

Worktops are made of 10 or 12 mm composite material (acrylic polymer and alumina trihydrate). Chamfered edges and optional moulded sinks. Sinks are supplied with or without overflow. Worktops are available without visible joints.

3.6 BRACKETS

Brackets are prepared for shelves and are supplied in 38 mm diameter steel tubes or 30x30 mm square tubes. Brackets are made of epoxy painted steel in standard colours:

- Silver, white, red, black and anthracite grey

4.0 SINKS

4.1 STAINLESS STEEL

Steel sinks are supplied in different dimensions. Available as both recessed and underslung sinks. Sinks are made of steel grade 304 or acid-free stainless steel grade 316. Handmade sinks are made by request, but only for inset.

4.2 PVC

PVC sinks are supplied in different dimensions. Available as both recessed and underslung sinks. Sinks with fibreglass reinforcement are available at additional charge. Underslung PVC sinks are only supplied with worktops in compact laminate.

PVC sinks are available in standard colour black. Available in other colours at additional charge.

4.3 POLYPROPYLENE (PP)

Sinks in polypropylene are supplied in different dimensions. Available as both recessed and underslung sinks. Underslung polypropylene sinks are only supplied with worktops in compact laminate.

5.0 FUME CUPBOARDS

The fume cupboard has been designed with a sloping front in order to give the operator the best ergonomical working position. The front operating panel, where valves, switches and sockets outlets are placed, can be positioned horizontal for working while standing, or vertical for working while seated.

The connection box, fluorescent light fitting and exhaust flange are positioned on the top giving easy access from the front without having to dismantle the fume cupboard.

The sash is made of 5 mm toughened glass as specified in EN 14175. On the lower edge of the sliding sash is a stainless steel airfoil. The counterweight is adjusted to match the sliding sash to ensure easy movements. The counterweight has built-in safety stops.

Taps for water, gas, air etc. are placed in the service rail situated at the back of the fume cupboard. The rail is made of epoxy coated stainless steel grade 316. Colour is RAL 9016.

The construction of the service rail makes it possible to install extra taps at a later date, without dismantling the fume cupboard. The plumbing is installed and tested by the factory during manufacture to make the fume cupboard ready for connection.

The surface of the fume cupboard is coated with 0.8 mm laminate in colour M 138 B White. The sides have rounded front edges. The front backing and the inclined top plate of the fume cupboard can be made of solid laminate for easy cleaning and better resistance. These components can easily be removed for cleaning and reassembled without the use of tools. It is possible to attach laboratory equipment to the removable backing.

All fume cupboards can be delivered with ventilated underbench cupboards. These can be supplied with hinged or sliding doors. The ventilation of the underbench cupboard can be run behind the fume hood and connected to separate ventilation.

The fume cupboard comes with a spigot as standard. The shape of the spigot will create a perfect airflow through the fume cupboard and will ensure the noise level is kept to a minimum. The spigot will also help to minimize condensation.

For security reasons all fume cupboards have built-in explosion flaps situated in the top deck.

The standard worktop can be supplied in four different materials: Stainless steel grade 316, polypropylene, epoxy resin and ceramic. All worktops are available with drip cup and/or a sink.

The fume cupboard has been tested according to EN 14175, part 2-3 and tested for tracer gas with safety factor >40. The fume cupboard is furthermore tested for chemical emission and an inner light intensity of 800 lux.

The fume cupboard is tested and approved with a maximum noise level of 40 dB at an air flow of 0.5 m/sec. measured in the sash opening (working space in opening of 500 mm).

Additional choices are available:

- Tracer gas analysis (for final certification of the fume cupboard)
- Control system
- EnergySaver
- Motor operated valve



st-skoleinventar.dk

ST Skoleinventar A/S is the leading Scandinavian supplier of interior solutions for the education sector. For further information: www.st-skoleinventar.dk

www.st-skoleinventar.dk

HEADQUARTER

ST Skoleinventar A/S
Gl. Kongevej 14-20
DK-6880 Tarm

P +45 9737 1188
info@st-skoleinventar.dk

COPENHAGEN

ST Skoleinventar A/S
Marielundvej 45 A
DK - 2730 Herlev

P +45 9737 1188
info@st-skoleinventar.dk

NORWAY

ST Skoleinventar AS
Skullerud Næringspark
Olaf Helsets vei 5
N - 0694 Oslo

P +45 9737 1188
info@st-skoleinventar.dk