



mediora
petroleum test equipment

**LABORATORY FURNITURE
& FUME CUPBOARDS**



CORPORATE INFO



Mediora OY, headquartered in Helsinki, Finland is the worldwide principal distributor for LOIP Company, Russia who manufactures petrochemical testing equipment, heating-cooling-shaking instruments and laboratory furniture.

Founded in 1993, **Mediora OY** altogether with **LOIP** design, manufacture, install and service equipment for petrochemical research and quality control. We support customers worldwide. We take proud in our technology and our quality program. Mediora OY distributes a highly diversified product line to most of the world's top petrochemical, chemical, pharmaceutical, plastic, biotech companies, as well as industrial, educational and governmental agencies.

Mediora OY has dealer network around the world working to streamline the way for customers across Europe, Asia, Middle East and America. In addition, Mediora Oy further supports its customers by providing projects of new laboratories and full installation service.

When it comes to laboratory furniture or fume hoods, Mediora OY has the broadest selection in the market. Whether you need wooden, steel or aluminum frame furniture, specialized tables or service systems, light duty enclosure for vapors or sophisticated hood system for toxic fumes, Mediora OY can offer a solution – **labproff™** Furniture line for competitive price.

Since 1999, we have been providing innovative temperature control solutions for our customers worldwide. **LOIP™** Temperature line includes: furnaces and mufles, ovens, hot plate and flask heaters, heating and refrigerated circulators, shakers, water baths, and custom temperature control equipment.

Primary focus of our business is petroleum and petrochemical instrumentation. Our comprehensive line of petroleum instruments and accessories conforms to the latest ASTM, ISO, IP and related international standards. It includes automatic and manual instruments for distillation control, flash points investigation, determination of density, viscosity, vapor pressure and gum content. We constantly look forward to learning about your specific needs to develop new products and provide technical support.

Our ISO 9001:2008 manufacturing process combines the high quality and attention to details with the precision and efficiency of quality assurance. All of our products are designed by our own Designers and Engineers. We use comprehensive machinery assembled in unified line for manufacturing process. As a manufacturer, LOIP possesses all the necessary machinery installed on more than 3000 sq m.

It includes state-of-the-art metal-working equipment: CNC press brakes, lathes, milling and punching machines. For electronics CNC SMT pick-and-place and selective soldering machines are employed.

In this catalog we are pleased to present your attention the full product range of our laboratory furniture.



LABORATORY FURNITURE labproff™

Combination of chemically resistant materials in each important point of the laboratory furniture item

Height adjustable supporting bench frames (4-leg or C frame) or underbench units

- The best European worktops: TRESPA TopLab, FRIDURIT, POLYSTONE, Economy Ceramic Tiles, GRANITE, etc. All products are continuously tested by our in-house test laboratory and by government agencies as well.
- System of patented aluminium profiles for construction of bench mounted frames, uprights, service columns
- European chemical-resistant taps, drain sinks housing, service distribution, plugs, sockets
- Air exhaust, filtration, and controlling devices
- Safety accessories
- The laboratory furniture line labproff™

is manufactured by experienced workers with the most modern European machinery.

- Smoothly running line assembly and strict internal control at all stages of production guarantee product quality and assembling accuracy.

Philosophy of the labproff™ line is to be ergonomic, safe, secure, environment friendly and tailored for each our customer

- The leading team of designers, project managers, foremen in charge of manufacturing process
- Careful selection of the best suppliers.
- Always sensitive to customers feedback, attentive to small details

Services

- 3D design project (on request)
- Installation and assembling
- Warranty service – 24 months
(extra 2 years under PROFF guarantee contract)
- Post-warranty service

LABORATORY FURNITURE labproff™



Designed for professionals

Our fume cupboards and other furniture also are in compliance with

EN 14175 (part 1) Fume cupboards. Vocabulary

EN 14175 (part 2) Fume cupboards. Safety and performance requirements.

EN 14175 (part 3) Fume cupboards. Type test methods

prEN 14056 Laboratory furniture. Recommendations for design and installation

EN 13150 Laboratory benches

EN 13792: 2002 Color coding of taps and valves for use in laboratories

EN 14470 (part1) Fire safety storage cabinets: Safety storage cabinets for flammable liquids

EN 14470 (part2) Fire safety storage cabinets: Safety storage cabinets for pressurised gas cylinders

Fume cupboards have been certified by TROX Technik (Germany) in accordance with EN14175 (Part 3) in 2008

« 4





CONTENTS

- 6 *Fume cupboards*
- 22 *Work benches*
- 32 *Service modules*
- 34 *Sink Workbenches*
- 36 *Specialized tables*
- 42 *Storage cabinets*
- 47 *Chairs and stools*
- 48 *Worktops*

FUME CUPBOARDS



The key advantage of labproff™ fume cupboards is an absence in the work area of both wood-fiber board surfaces and details that suffer corrosion.

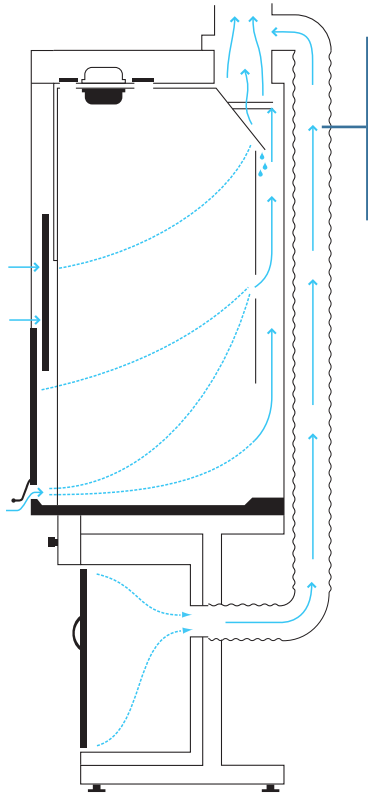
Powder-coated aluminium alloys, polypropylene and TRESPA material allow unrestricted work in humid and aggressive environment.

Patented aluminium profiles, accessible side posts for sliding mechanism inspection, air flow control and other accessories on request.



FUME CUPBOARDS UNIVERSAL

AIR FLOW ALLOCATION SCHEME



Three extraction zones provide non-turbulent effective exhaust of fumes, heavy and light gases, solvents and particles of liquids providing maximum safety for operator. Airfoil barrier ensures anti-leakage of spills and absence of turbulence above the worktop.

PRIMARY CONDENSING SYSTEM (primary mechanical scrubber system in ventilation outlet) allows to reduce emissions to the environment and increase service life for ventilation and air cleaning elements

BYPASS system provides air access to hood when vertical sashes are closed and reduces heat losses above worktop area

POLYSPAST system with two-part balanced vertical sashes does not project beyond the total height of the cupboard. The counterweights are located within the frontal side posts for convenience of your service engineer

CLEAR VIEW system – frontal and side panels are made from transparent and glazed panels let observe all the processes inside the cupboard.

"MAXIMUM UTILIZATION OF CUPBOARD Workspace" – left and right sides combined are 14mm thick. It gives operator the best internal width dimension comparing to other fume cupboards.

ENVIRONMENTAL PROTECTION

- Primary scrubber system condenses heavier vapors
- Absorbent filters and acid-resistant fans (optionally)
- Antispilling front barriers, patented sash handle

QUALITY

- Chemically resistant worktops, sides, and roof
- Powder coated aluminum profiles, side posts, reinforced underbench metal support
- Left and right sidewalls made from transparent hardened glass in frames (TRESPA and POLYSTONE optionally)
- Polypropylene trays for solvents and chemicals storage in underbench cabinets and inside hood

- Polypropylene underbench cabinets for acids or alkalis storage, metal underbench cabinets for different chemicals, EN 141470-1 certified cabinets for flammable liquids storage

ERGONOMICS

- Two-part balanced vertical sashes is lifted easily (0-800 mm, with intermediate mechanically fixed position at 500 mm) and easily fixed manually at any level
- Standard workspace depth is 600 mm or 700 mm. Other depths are optional. Workspace width range is 870, 1170, 1470, and 1770 mm.
- Custom designed fume cupboards are available upon request.
- All shelves, valves and sockets are placed at the convenient height for operator.
- Good illumination

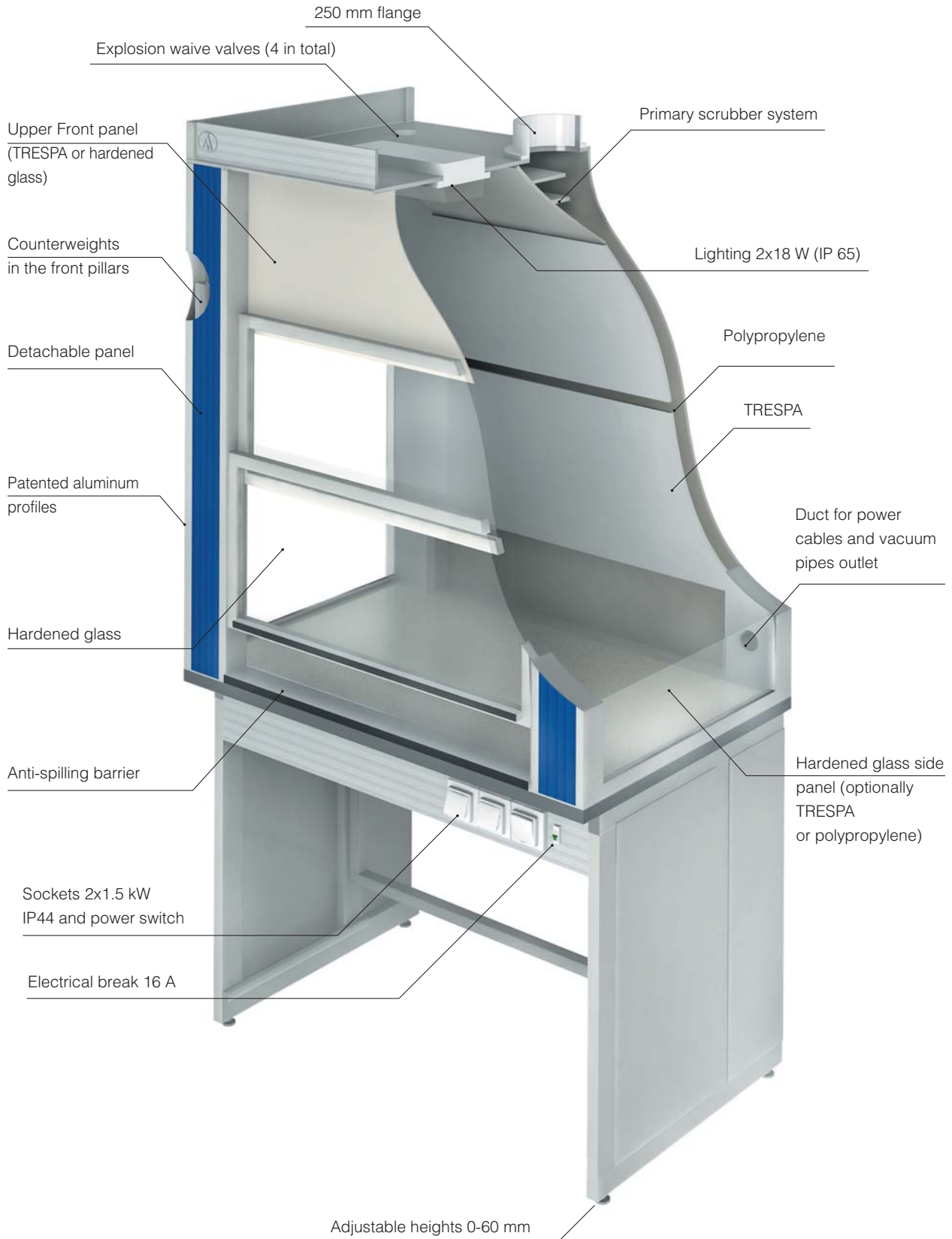
- Special internal mounts for titration or organic synthesis (optional)
- Horizontal sliding window from hardened glass in sashes (optional)
- Counterweights are located within the side posts for easy access

SAFETY

- Sashes are made from transparent hardened glass in frames
- Protective explosion wave valves in the roof (4 explosion cut membranes)
- Dust-and-moisture-proof lighting IP65 2x18 W (2x36 W)
- Explosion-safe lighting (optional) 2x18 W (2x36 W)
- Two water spill-proof sockets IP 44
- Air flow monitor (optional)
- Electrical break automat 16 A

FUME CUPBOARDS UNIVERSAL




DESIGN FEATURES



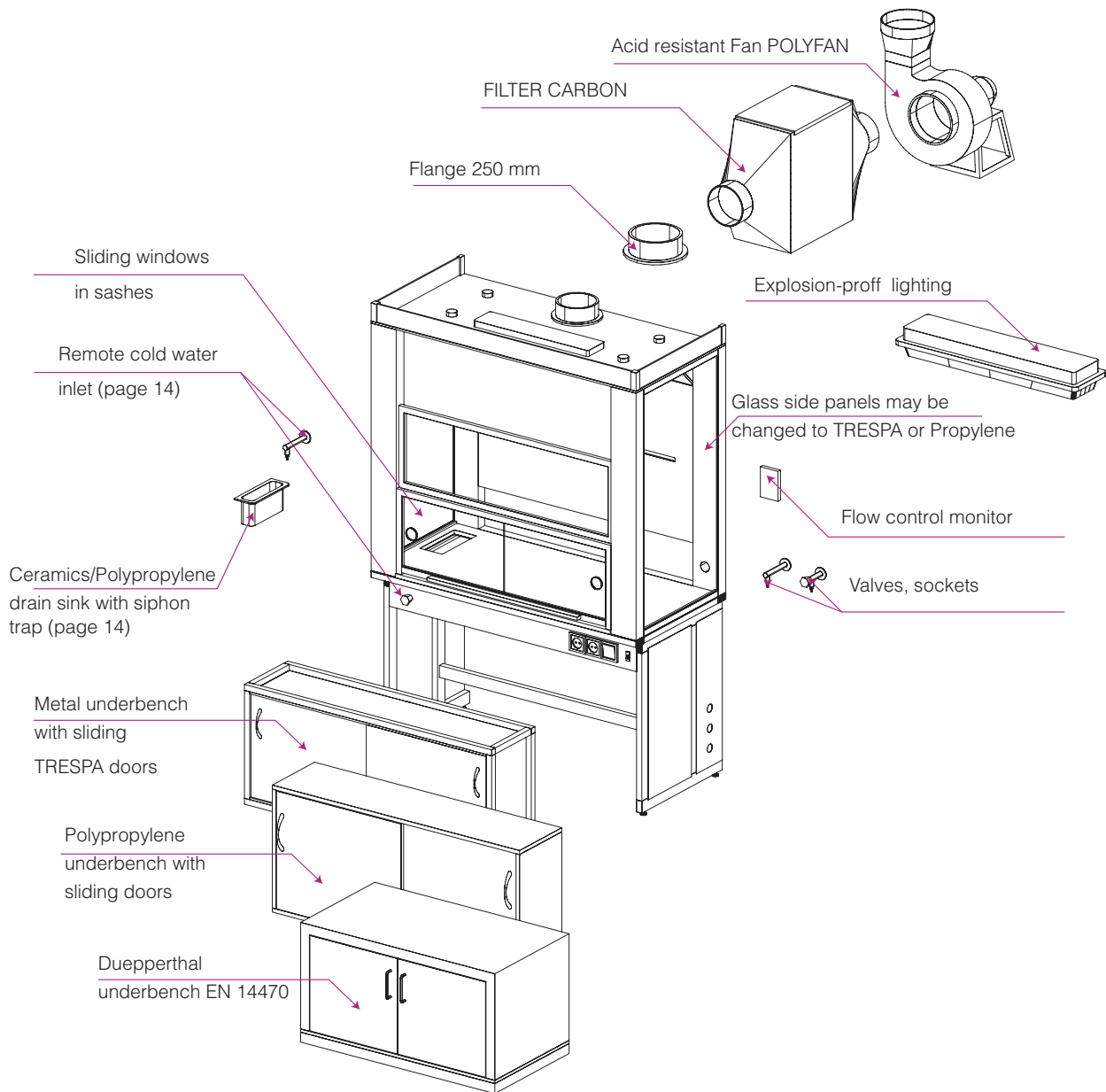
FUME CUPBOARDS UNIVERSAL

Technical Data					Optional
Length, mm	900	1200	1500	1800	N/A
Clear internal length, mm	870	1170	1470	1770	N/A
Depth1 / Clear internal depth1, mm	750/600	750/600	750/600	750/600	N/A
Depth2 / Clear internal depth2, mm	850/700	850/700	850/700	850/700	N/A
Height, mm	2250	2250	2250	2250	N/A
Lighting IP65, W	2x18	2x18	2x36	2x36	In ex-proof version
Power supply: splash-proof external sockets 1,5 kW IP44/230V	2	2	2	2	4 external on front panel, 4 internal on rear right panel
Non-standard supply voltage					Upon request
Electrical Break 16 A/230V	1	1	1	1	
Drip					Ceramics 300-150 mm or polypropylene 300-150 mm
Water, gases supply					Take-off valves for water, gases, inlets on vertical back left panel
Vacuum					Take-off valves vacuum, inlets on vertical back left panel
Cable ducts in rear right pillar	1	1	1	1	Another through-puts under request
Sliding windows in sashes					In lower, middle, or upper sashes
Underbench cabinets					Polypropylene, metal or EN 14470-1 cabinets for flammable liquids
Worktops (also see next table)					Ceramic tiles, polypropylene
Air flow monitor					upon request
Filters, dampers, scrubbers					Within ventilation manifold

« 10

				
	Length 900 mm	Length 1200 mm	Length 1500 mm	Length 1800 mm
FRIDURIT Premium	optional	FCU 120.75.225 FRP	FCU 150.75.225 FRP	optional
FRIDURIT Standard	FCU 90.75.225 FRS FCU 90.85.225 FRS	FCU 120.75.225 FRS FCU 120.85.225 FRS	FCU 150.75.225 FRS FCU 150.85.225 FRS	FCU 180.75.225 FRS FCU 180.85.225 FRS
TRESPA TopLab	FCU 90.75.225 TR FCU 90.85.225 TR	FCU 120.75.225 TR FCU 120.85.225 TR	FCU 150.75.225 TR FCU 150.85.225 TR	FCU 180.75.225 TR FCU 180.85.225 TR

EQUIPMENT OPTIONS FOR FUME CUPBOARDS UNIVERSAL



FUME CUPBOARD WITH OPTIONAL ACCESSORIES

Fume Cupboards labproff FCU 120.75.225 FRP

Fume Cupboard with dimensions 1200 x 750 x 2250 mm.

Worktop - Ceramics Fridurit PREMIUM 26 mm with antispilling barriers along the perimeter. Standard power supply. 4 explosion membranes in the roof, 2 moving sashes, one cable duct in right rear pillar

Optional accessories:

- Underbench cabinet UC-FCU PP110 (polypropylene)
- Ceramic drain sink with siphon trap
- Cold Water Valve and inlet on the left rear pillar
- Replace glass side walls with TRESPA side wall
- Air ventilation system control
- Sliding windows in lower and middle sashes

UNDERBENCH CABINETS FOR STANDARD FUME CUPBOARDS

Metal underbench cabinet (UC-FC ME) with sliding TRESPA doors



For Fume Cupboards
900 mm length

UC-FCU 80.35.60 ME



For fume cupboards
1200 mm length

UC-FCU 110.35.60 ME



For fume cupboards
1500 mm length

UC-FCU 140.35.60 ME

Polypropylene under-bench cabinet (UC-FC PP) with sliding polypropylene doors



For fume cupboards
900 mm length

UC-FCU 80.35.60 PP



For fume cupboards
1200 mm length

UC-FCU 110.35.60 PP



For fume cupboards
1500 mm length

UC-FCU 140.35.60 PP

In case of fire, automatic mechanism closes the Underbench cabinet (triggered by ambient temperature above 47°C) and special heat insulator seals off doors and joints by foaming. Cabinets also have 75 mm flanges for intake and exhaust ventilation. In case of inflammation the ventilation switches off automatically. Cabinet installation needs change in fume cupboard construction (base frame). Specialized fume cupboards with built-in Dueperthal cabinets are developed as well.

IN ACCORDANCE WITH
EUROPEAN STANDARD
EN 14470-1

« 12

For fume cupboards
900, 1200, 1500, 1800 mm*

UTS S-5
length 600 mm



- 1 pull-out drawer
- 1 shelf with tray

For fume cupboards
1200, 1500, 1800 mm*

UTS MT-5
length 900 mm
UTS LK-5
length 1100 mm



- 2 swing doors
- 1 shelf with tray

For fume cupboards
1500, 1800 mm mm*

UTS XLD
length 1400 mm



- 2 pull-out drawers
- 2 floor trays

Other safety cabinets EN14470-1 under request

SPECIAL APPLICATION FUME CUPBOARDS

Special application fume cupboards are developed for operations with specific chemicals and purposes

They can be equipped with various units such as drain sinks, underbench cabinets, power supply, water and gases valves, etc.



SPECIAL APPLICATION FUME CUPBOARDS

Metal fume cupboard for working with flammable liquids



FCL 120.75.225 K8
FCL 150.75.225 K8

COMPLETE SET

Worktop – Ceramic
Length – 1200,1500 mm
Worktop depth – 750 mm
Height – 2250 mm
Underbench cabinet - Metal

- Exhaust hood has framed double metal walls with powder coating
- Two-part balanced vertical sash with upper sash window made of hardened glass in frames
- Counterweights within side posts
- Stationary transparent upper sash
- Protection closure 4 pieces
- One lighting unit 2x18 W, isolated with hardened glass
- Power switch
- 2 splash-proof sockets 1,5 kW
- Electrical break automat 16 A

Fume cupboards for flammable liquids work with under-bench cabinet (OSHA 29 CFR 1910.106, NPFA Code 30)



FCL 120.75.225-J K8

COMPLETE SET

Worktop – Ceramic
Length – 1200,1500 mm
Worktop depth – 750 mm
Height – 2250 mm
Underbench cabinet - Metal or Polyethylene for acids and alkalis

- Exhaust hood has framed double metal walls with powder coating
- Two-part balanced vertical sash with upper sash window made of hardened glass in frames
- Counterweights within side posts
- Stationary transparent upper sash
- Protection closure 4 pieces
- One lighting unit 2x18 W, isolated with hardened glass
- Power switch
- 2 splash-proof sockets 1,5 kW
- Electrical break automat 16 A

Cabinets for flammable liquids storage in accordance with OSHA requirements 29 CFR1910/106, length 900 mm

Unique galvanized steel shelves with leakage trap collect spilled liquid drops. The shelves height incremental adjustment is provided for greater versatility. We also developed specialized fume cupboard FCL 120-J for both flammable liquids storage and treatment in accordance with the USA standards.

SPECIAL APPLICATION FUME CUPBOARDS

Optional accessories for flammable liquids fume cupboards

- Sliding glass windows for the lower and middle sashes
- Single-piece sash
- Mechanical Fumes Adsorbtion system on the flange (page 25)
- Drain sink and water valve
- Gases valves, Vacuum outlets
- Flow controllers
- Extra power supply
- Polypropylene trays

Fume Cupboards with underbench cabinet for flammable liquids storage by EN-14470-1



FCL 120-D
FCL 150-D

Worktop – Ceramic K8 (under request)
Length – 1200, 1500 mm
Worktop depth – 600 mm
Height – 2250 mm

Underbench cabinet is not included in base configuration

COMPLETE SET

- Exhaust hood has framed double metal walls with powder coating
- Two-part balanced vertical sash (hardened glass in frames)
- Counterweights within side posts
- Stationary transparent upper sash
- Protection closure 4 pieces
- One lighting unit 2x18 W, isolated with hardened glass
- Power switch
- 2 splash-proof sockets 1,5 kW
- Electrical break automat 16 A

SPECIAL APPLICATION FUME CUPBOARDS

Walk-in fume cupboard (FCW) for distillation, organic synthesis and other purposes

FCW 150.105 .225



Length – 1500 mm
Working area depth – 900 mm
Height – 2550 mm

There is one lower independent sash (850 mm height) and two standard balanced sashes. Walk-in design allows mounting of and work with tall equipment, e.g. to control organic synthesis processes.

The full opening height of the sash is 1700 mm.

The opening of two standard sashes (middle and upper) is between 900 and 1700 mm.

Other walk-in/organic synthesis fume cupboard under request.

COMPLETE SET

- Three-part vertical sash (hardened glass in frames)
- Five extraction zones
- Rear wall – TRESPA 4 mm
- Side walls – TRESPA 6 mm
- Luminescent lighting IP65 (2x36 W)
- Three splash-proof sockets IP44, switch
- Flange-250 mm
- Electrical break automat 16 A

OPTIONALLY

- Service module with cold water supply and drip, gas inlets
- Top bench on the height "0", "450", "750" or "900" mm

Fume cupboards for acids(FCA) evaporation

FCA 120.85.225 FRS
FCA 150.85.225 FRS

FCA 120.85.225 K8
FCA 120.85.225 K8



Worktop – Ceramics FRIDURIT
20 mm
Length – 1200,1500 mm
Height – 2250 mm
Depth – 850 mm

Entire cupboard body is made of polypropylene.

Additionally, the FRS model is lined up with jointless ceramic plates (600 mm. height from the worktop) and 20 mm jointless ceramics FRIDURIT is used for the worktop as well.

Worktop – Ceramics
Length – 1200,1500 mm
Height – 2250 mm.
Depth – 850 mm

COMPLETE SET

- Two-part balanced vertical sash
- Flange 200 mm
- Mobile polypropylene cabinet
- Luminescent lighting IP 65 (2x18 W)
- Power sockets: 220 V / 50 Hz / 16 A
- Power switch

SPECIAL APPLICATION FUME CUPBOARDS

Fume cupboards with sink (FCS)



FCS 120.70.225 DU2
FCS 150.75.225 DU2

FCS 120.75.225 PP2
FCS 150.75.225 PP2

Worktop – TRESPA
Sinks – 2 epoxy sinks 280 mm height
Length – 1200,1500 mm
Internal Depth – 600 mm
Height – 2250 mm

Worktop – Polypropylene
Sink – 2 polypropylene sinks 300 mm height
Length – 1200,1500 mm
Internal Depth – 600 mm
Height – 2250 mm

COMPLETE SET

- Three extraction zones at the rear wall
- Hot/cold water mixer tap FAR
- Side walls – hardened glass
- Rear wall – TRESPA 4 mm
- Adjustable rests (0-60 mm)
- Metal underbench cabinet with sliding polypropylene doors
- Electricity upon request

Fume cupboards with built-in heating glass-ceramic surface (FCH)



FCH 120.87.225
FCH 150.87.225

Worktop – Ceramics
Length – 1200 and 1500 mm
Depth – 870 mm
Height – 2250 mm

These fume cupboards have heating plate with acid-proof glass-ceramic surface HARRY GESTIGKEIT. Working area is 580x430 mm.

Equipped with control for gradual heating up to 500°C

COMPLETE SET

- Two-part balanced vertical sash (hardened glass 6 mm)
- Side and rear panels – Ceramics K8
- Three extraction zones
- Lighting IP65 (2x18 W), 2 plugs 1,5 kW
- Power switch
- Electrical break automat 25 A
- Heating control unit on the front panel
- Mobile polypropylene cabinet, tray

SPECIAL APPLICATION FUME CUPBOARDS

Fume cupboard economy (FCE)

FCE 120.70.210 KG
FCE 120.70.210 TR

FCE 150.70.210 KG
FCE 150.70.210 TR



Worktop – ceramic tiles (KG),
Trespa TopLab (TR)
Length – 1200/1500 mm
Internal Depth – 600 mm
Height – 2100/2460 mm
One sash

COMPLETE SET

- Three extraction zones
- Flange-200 mm
- Electrical break automat 16 A
- Two splash-proof sockets, switch
- Lighting – 40 W
- Tray in underbench cabinet

Fume cupboard economy polypropylene lining (FCE-PP)

FCE-PP 120.70.210 KG
FCE-PP 120.70.210 TR

FCE-PP 150.70.210 KG
FCE-PP 150.70.210 TR



Worktop – ceramic tiles (KG),
Trespa TopLab (TR)
Length – 1200/1500 mm
Internal Depth – 600 mm
Height – 2100/2460 mm
One sash
Internal polypropylene lining

COMPLETE SET

- Three extraction zones
- Flange-200 mm
- Electrical break automat 16 A
- Two splash-proof sockets, switch
- Polypropylene lining underbench cabinet
- Lighting – 40 W
- Tray in underbench cabinet

ACCESSORIES FOR FUME CUPBOARDS

Flow control system Schneider Elektronik

System consists of three parts: controller, differential-pressure transducer and control terminal. The main equipment is located on top, the control terminal is near the detachable panel of the right side post.

ALL MODELS ARE EQUIPPED WITH

- Control panel
- Alarm sound/ Light alarm
- Sash opening height controller (optional)
- Port RS232 for connection with PC for full diagnostics, registry and connection with building computer control system
- Lighting switch

TECHNICAL FEATURES

Model	Detectors	Flows, m/s
iM50	Red – Danger Green – Safe Yellow – Work at max. flow	0 – 8



Scrubbers

Scrubber FRIDURIT® is a broad purpose gas absorber, developed specially for installation on top of, or next to laboratory fume cupboards. It can also be installed in other work chambers, where dangerous gas emission takes place.

Scrubber FRIDURIT® quickly absorbs corrosive and toxic gases, such as perchloric, hydrochloric, hydrofluoric, sulphuric, and nitric acids fumes, and their mixtures at the moment of their discharge.

Scrubber FRIDURIT® has a built-in PLC for automated control of gas absorption and washing off process. Even during the automatic replacement of the scrubbing liquid the scrubber remains fully operational.

Contaminated air is drawn by fan (supplied separately), into the scrubbing chamber, passes through a fine mist of liquid and then dried with mist eliminator. Guaranteed degree of air purification is 97%.



Placement	C54	C90	C75	C180
	Built-in unit on top of the fume cupboard		Stand-alone unit beside the fume cupboard	
Materials	Polypropylene enclosure and spray wheel; PVC fittings			
Air flow, m ³ /h	480 – 900	600 – 1400	480 – 750	600 – 1800
Air inlet	2 tubes 200 mm		Flange 200 mm	Flange 250 mm
Air outlet	1 tube 250 mm		Flange 200 mm	Flange 315 mm
Water load, l	45	60	45	70
Control unit	Plastic case with programmed control system, switching block for air compressor wheels motor, control switch, emergency switch			
Power supply	400/230 V, 50 Hz, 0.75 kW (protection: motor – IP 54, control system – IP 40)			
Scrubbing liquid replacement	Control system ilinked to timer, time can be set within wide range			
Dimensions (LxWxH), mm	950 x 710 x 550	1220 x 710 x 550	550 x 750 x 1535	850 x 750 x 1535
Gross weight (filled), kg	135	170	135	190

FILTER SYSTEMS FOR FUME CUPBOARDS

Filter systems – FILTERBOX (manufactured by Plastifer)

The control of atmospheric emissions involves both the comfort and the ecological aspect of working environments. Environment protection (ISO 14001 requirement), EEC standards, and the well-being of the people who work in laboratories are all factors that require the use of systems that hold back acids or solvents present in chemical processing discharges, with a resulting air purification.

Filter systems (FC) are divided into two groups: FILTERBOX and FILTERKIT.

FC FILTERBOX is a case with special cartridges block (4 to 14), containing activated carbon, and pre-filter that protects carbon adsorbent from dust contamination.

FC FILTERBOX are developed for air cleaning from solvents (NORMAL) and acid emissions (RBAA).

GENERAL PROPERTIES

- High filtration efficiency
- Ease of cartridge replacement
- All components of case and cartridge holders are made of acid-proof PVC
- Pre-filter protects adsorbent from dust

CAUSES THAT REDUCE FC PERFORMANCE

- Elevated temperature (more than 60°C) sharply reduces carbon adsorbing capacity
- Increased humidity (more than 70%) spoils the adsorbent
- Dust blocks the adsorbent pores so the pre-filter needs timely replacement

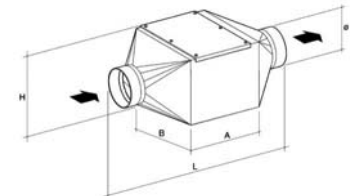
NB! FC USE NEEDS MORE POWERFUL VENTILATION!



FILTERBOX **CARBOO4PN**



FILTERBOX **CARBOO6PN**



FILTERBOX **CARBOO4PN**

	Air flow capacity, m³/h	Cartridge type	Cartridges quantity	Size, mm				
				A	B	H	L	diameter
CARBOO4PN	600	NORMAL	4	500	320	600	1100	200
CARBOO4PR	600	RBAA	4	500	320	600	1100	200
CARBOO6PN/ CARBOO6PR	900 / 900	NORMAL / RBAA	6/6	550 / 550	520 / 520	580 / 580	1200/1200	250 / 250
CARBOO8PN/ CARBOO8PR	1200 / 1200	NORMAL / RBAA	8/8	550 / 550	630 / 630	580 / 580	1200/1200	250 / 250

NORMAL – for cleaning air from solvents

RBAA – for cleaning air from acids

FILTER SYSTEMS AND FANS FOR FUME CUPBOARDS

Local filter systems with integral fan – FILTERKIT (manufactured by Plastifer, Italy)

Local FC FILTERKIT is perfect for air cleaning from solvents, acids and flammable liquids. They are installed on stand-alone fume cupboards or cabinets for solvents, acids and flammable liquids storage.

GENERAL PROPERTIES

- Made of polypropylene
- Activated carbon absorbent is used for filtration
- Inlet and outlet flange 125 mm
- Single- or three-phase motor, dust and moisture protection level IP55
- Explosion-safe motor is available (EEx-d)



Filterkit **FLKCN 1 M**

	Air flow capacity, m³/h	Cartridge types	Cartridges quantity	Power supply, V	Size(LxWxH)mm	Weight, kg
FLKCN1M	200	NORMAL	1	220	300 x 300 x 620	9
FLKCN1T		NORMAL		380		
FLKCR1M		RBAA		220		
FLKCR1T		RBAA		380		
FLKCN2M	400	NORMAL	2	220	300 x 300 x 870	13
FLKCN2T		NORMAL		380		
FLKCR2M		RBAA		220		
FLKCR2T		RBAA		380		

Acid resistant low noisy fans PLASTIFER (Italy)

BASIC PERFORMANCE CHARACTERISTICS

- Polypropylene impeller with forward-curved blades, which guarantee better performance in comparison with ordinary blades
- The impeller is statically and dynamically balanced, incorporating a reinforced hub
- Special self aligning sealing gaskets from anticorrosive material protect from smoke emission and leakages.
- Engine support stool is made of nylon, polypropylene, galvanized steel, depending on model
- All fans have standard round intake and flanged rectangular discharge (round discharge connection can be fitted as an option)
- Fans can be adjusted to any of 8 positions through 360° (in 45°steps)
- Stainless steel mounting screws.
- Fans can be combined with single -phase, three-phase, single-or double-speed motor.
- Explosion-safe motors and/or fan (EEx-d) are available.



VSM25

	Air flow capacity, m³/h	Power supply, kW	Rotation speed, rpm	Flange diameter, mm		Noise , dB	Max. discharging, mm H ₂ O
				inlet	outlet		
VSB 14	450	0.18	2900	125	125	67	36
VSB 20	1300	1,1	2900	200	200	70	102
VSB 20	950	0,18	1450	200	200	57	21
VSM 25	1300	2,2	2900	250	165	73	165
VSM 25	900	0,18	950	250	165	62	17
VSA 30	900	0,55	1450	200	155	69	63
VSAA 35	900	1,1	1450	200	180	73	67
VSAA 42	1300	2,2	1450	250	215	75	96



WORK BENCHES



Modular design of labproff™ work benches provides versatility for the broadest range of laboratory tasks by equipping the work space for maximum comfort

General-purpose work benches are suitable for the majority of routine tasks

Worktops on metal underbench cabinets have more rugged framework and are convenient for workplace materials storage.

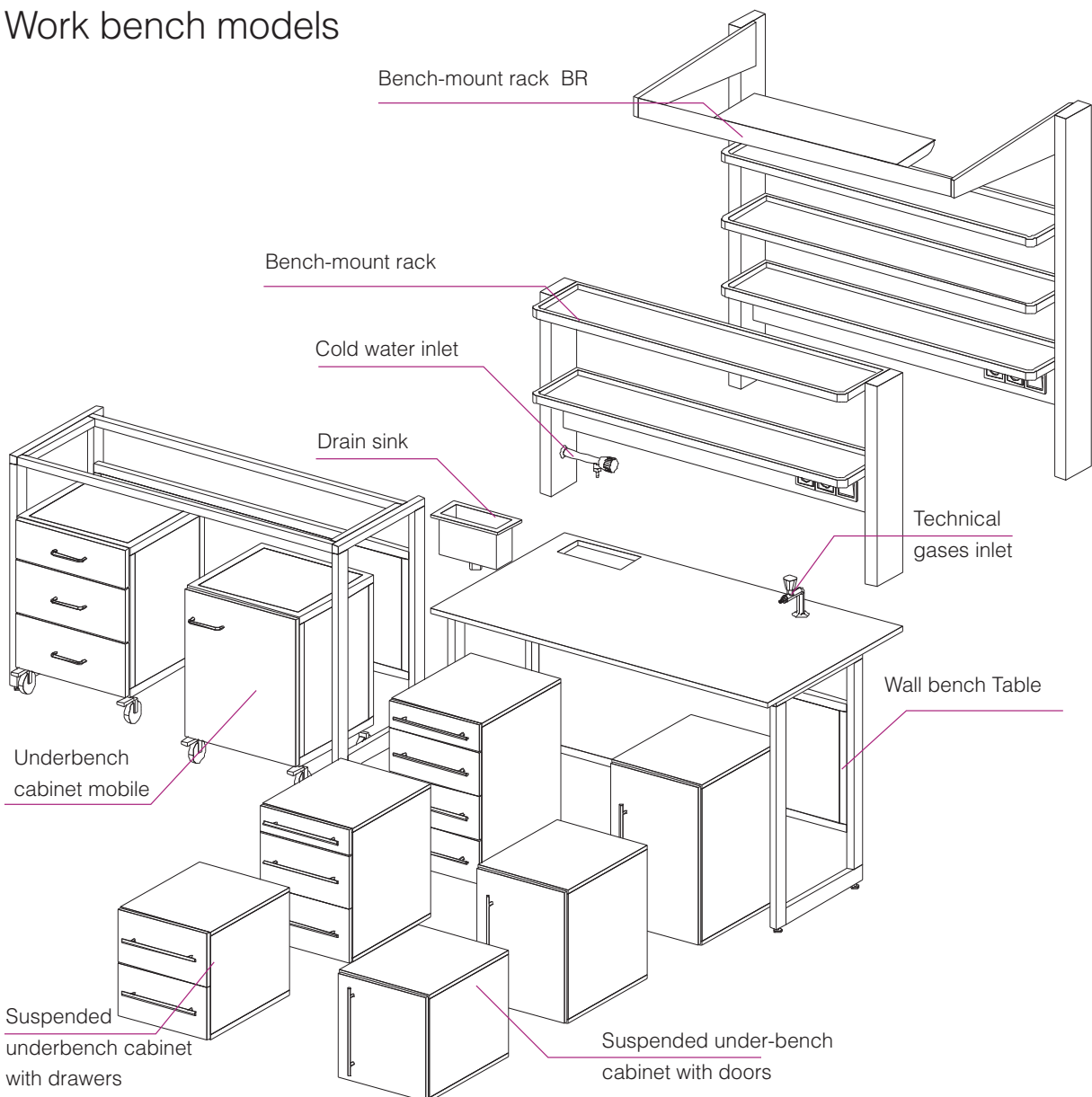


GENERAL-PURPOSE WORK BENCHES ON METAL FRAME

The base of general-purpose work benches is assembly O-frame from rectangular steel tube (60x30x2 mm cross-section), powder-coated (light gray pebble-leather coating RAL 7035). Work bench design allows heavy loads of laboratory equipment with considerable weight.

If necessary work benches may be equipped with suspended and mobile underbench cabinets, service stands, bench-mount racks (on the frame of aluminum profiles), electrical equipment, water and gas inlets, and drain sink.

Work bench models



LABORATORY WORK BENCH AND WALL BENCH TABLES (WB)

STANDARD COMPLETE SET

- The base is assembly O-frame from rectangular steel tube with 60x30x2 mm cross-section.
- Standard case colour – lightgray powder coating with pebble-leather surface RAL 7035.
- Adjustable feet (0-60 mm).


OPTIONAL COMPLETE SET

- Laboratory workbenches can be equipped optionally with suspended or mobile underbench cabinets, and bench-mount racks.
- C-frame.

Work bench

Bench depth – 650 mm.

Low/High bench height – 750/900 mm.

			
	Length 900 mm	Length 1200 mm	Length 1500 mm
 FRIDURIT Premium 26 mm	WB 90.65.75 FRP WB 90.65.90 FRP	WB 120.65.75 FRP WB 120.65.90 FRP	– –
FRIDURIT 20 mm	WB 90.65.75 FRS WB 90.65.90 FRS	WB 120.65.75 FRS WB 120.65.90 FRS	WB 150.65.75 FRS WB 150.65.90 FRS
TRESPA TopLab	WB 90.65.75 TR WB 90.65.90 TR	WB 120.65.75 TR WB 120.65.90 TR	WB 150.65.75 TR WB 150.65.90 TR
FANERIT	WB 90.65.75 FA WB 90.65.90 FA	WB 120.65.75 FA WB 120.65.90 FA	WB 150.65.75 FA WB 150.65.90 FA

Wall bench

Have comparatively larger work top depth – 850 mm.

Low/High bench height – 750/900 mm.

			
	Length 900 mm	Length 1200 mm	Length 1500 mm
 FRIDURIT 20 mm, jointless	WB 90.85.75 FRS WB 90.85.90 FRS	WB 120.85.75 FRS WB 120.85.90 FRS	WB 150.85.75 FRS WB 150.85.90 FRS
TRESPA TopLab	WB 90.85.75 TR WB 90.85.90 TR	WB 120.85.75 TR WB 120.85.90 TR	WB 150.85.75 TR WB 150.85.90 TR
FANERIT	WB 90.85.75 FA WB 90.85.90 FA	WB 120.85.75 FA WB 120.85.90 FA	WB 150.85.75 FA WB 150.85.90 FA

FREE-STANDING BENCHES (ISLAND TABLES)

The best option for workplace in the center of laboratory room.

Work top depth – 1500 mm

Low bench height – 750 mm

High bench height – 900 mm

STANDARD COMPLETE SET

- The base is assembly O-frame from rectangular steel tube with 60x30x2 mm cross-section.
- Standard case colour – lightgray powder coating with pebble-leather surface RAL 7035.
- Adjustable feet (0-60 mm).

OPTIONAL COMPLETE SET

- Equipped with suspended or mobile underbench cabinets and double-side bench-mount racks for chemical agents and equipment, and also drain sinks and valves.
- End plugs installation on inlet manifolds.

Free-standing benches with 1800, 2400 mm length with worktop from materials TRESPA, POLYSTONE are manufactured on request.

	 <p>Length 1200 mm</p>	 <p>Length 1500 mm</p>	
	<p>FRIDURIT 20 mm, one joint</p>	<p>WB 120.150.75 FRS WB 120.150.90 FRS</p>	<p>WB 150.150.75 FRS WB 150.150.90 FRS</p>
	<p>TRESPA TopLab</p>	<p>WB 120.150.75 TR WB 120.150.90 TR</p>	<p>WB 150.150.75 TR WB 150.150.90 TR</p>
<p>FANERIT</p>	<p>WB 120.150.75 FA WB 120.150.90 FA</p>	<p>WB 150.150.75 FA WB 150.150.90 FA</p>	

LABORATORY TABLE ORDER EXAMPLE

Laboratory Table WB 120.150.90 TR

Worktop – TRESPA TopLab

Length – 1200 mm

Depth – 1500 mm

Height – 900 mm

OPTIONALLY

- Underbench Cabinet Suspended UCS-50.47.60 ML-DO
- Underbench Cabinet Suspended UCS-50.47.60 ML-DR4
- Bench-mount rack SS 150.28.90/205
- Cold water valve
- Drain sink

UNDERBENCH CABINETS

METAL UNDERBENCH CABINETS

METAL Mobile Underbench Cabinets (UCM-ME) for low and high benches

Underbench cabinets with drawers are equipped with central lock

			
500 x 500 x 670 mm	500 x 500 x 810 mm	500 x 500 x 670 mm	500 x 500 x 810 mm
UCM 50.50.67 ME-DR3	UCM 50.50.81 ME-DR3	UCM 50.50.67 ME-DO	UCM 50.50.81ME-DO

MELAMINE UNDERBENCH CABINETS

Underbench Cabinets Mobile (UCM) are designated for low and high benches

Underbench cabinets with drawers are equipped with central lock.

500 x 470 x 650 mm	500 x 470 x 810 mm	500 x 470 x 650 mm	500 x 470 x 810 mm
UCM 50.47.65 ML-DR3	UCM 50.47.81 ML – DR3	UCM 50.47.65 ML –DO	UCM 50.47.81 ML -DO

Underbench Cabinets Suspended are standardized for all models of work, wall and free-standing benches. They are easily mounted on the rear stands, are moved easily. The cabinets have esthetic frontal elements – doors and drawers, and noiseless mechanisms. Underbench Cabinets are placed ergonomically and allow cleaning dust from the floor easily. Underbench Cabinets Suspended for work benches are made from melamine. Edging is made of 3 mm ABS strip.

Cabinets can be mounted on one or second levels from the worktop.

OPEN UNDER-BENCH CABINETS

500 x 470 x 400 mm	500 x 470 x 500 mm	500 x 470 x 600 mm
UCS 50.47.40 ML	UCS 50.47.50 ML	UCS 50.47.60 ML

UNDER-BENCH CABINETS WITH DOORS

500 x 470 x 400 mm	500 x 470 x 500 mm	500 x 470 x 600 mm	700 x 470 x 500 mm
UCS 50.47.40 ML-DO	UCS 50.47.50 ML-DO	UCS 50.47.60 ML-DO	UCS 70.47.50 ML-DO2

UNDER-BENCH CABINETS WITH DRAWERS

500 x 470 x 400 mm	500 x 470 x 500 mm	500 x 470 x 600 mm	700 x 470 x 500 mm
UCS 50.47.40 ML-DR2	UCS 50.47.60 ML-DR3	UCS 50.47.50 ML-DR4	UCS 70.47.50 ML-DR3

WORKTOPS ON METAL UNDERBENCH CABINETS

Worktops on metal under-bench cabinets have rugged design, are equipped with worktops with different performance characteristics and are available for use in any laboratory.

We produce two types of cabinets: single and double.

DISTINCTIVE FEATURES

- Underbench cabinets with drawers are equipped with central lock.
- Rugged metal framework from rectangular steel tube with 60x30x2 mm cross-section. Allows heavy loads.
- Front material is steel double sheet with acoustic absorber.

- Worktops standard materials: FANERIT, TRESPA TopLab, POLYSTONE, FRIDURIT (20 mm), FRIDURIT PREMIUM (26/34 mm).
- Adjustable feet (0-60 mm).
- Height-adjustable support.

MADE ON REQUEST

- Worktops from other materials.
- Bench-mount racks.

Worktops on SINGLE Underbench Cabinets Free Standing

Under-bench cabinet with drawers are equipped with central lock. Under-bench cabinets with door has a shelf.

UNDER-BENCH CABINET DIMENSIONS

Length – 500 mm

Depth – 500 mm

Height – 860 mm



METAL UNDERBENCH CABINET
FREE STANDING WITH 3
DRAWERS

UCFS 50.50.86 ME-DR3



METAL UNDERBENCH CABINET
FREE STANDING WITH DOOR

UCFS 50.50.86-ME-DO

WORKTOPS FOR UNITARY UNDERBENCH CABINETS

For mounting upon single cabinet

	600 x 600 mm
TRESPA TopLab	WT 60.60 TR
POLYSTONE	WT 60.60 PP
FANERIT	WT 60.60 FA

For laboratory workbench (mounting upon 2 underbench cabinets)

	1500 x 650 mm	1800 x 650 mm
FRIDURIT 26 mm	WT 150.65 FRP	WT 180.65 FRP
FRIDURIT 20 mm	WT 150.65 FRS	WT 180.65 FRS
TRESPA TopLab	WT 150.65 TR	WT 180.65 TR
POLYSTONE	WT 150.65 PP	WT 180.65 PP
FANERIT	WT 150.65 FA	WT 180.65 FA

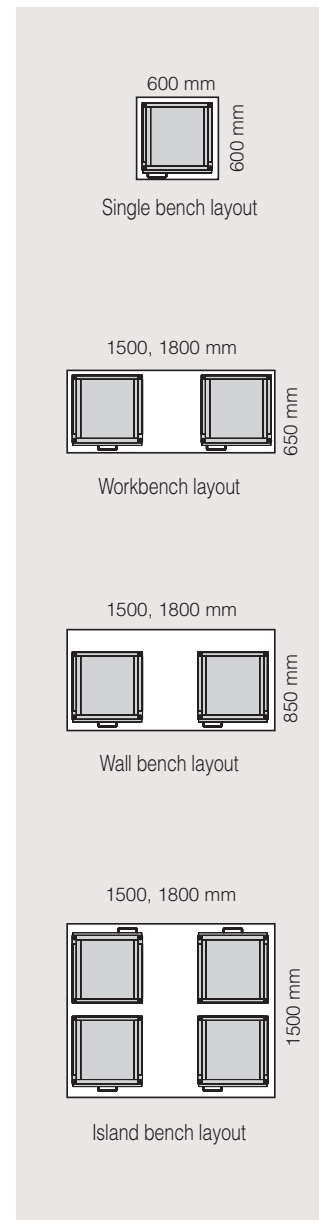
For wall bench (mounting upon 2 underbench cabinets)

	1500 x 850 mm	1800 x 850 mm
FRIDURIT 26 mm	WT 150.85 FRP	WT 180.85 FRP
FRIDURIT 20 mm	WT 150.85 FRS	WT 180.85 FRS
TRESPA TopLab	WT 150.85 TR	WT 180.85 TR
POLYSTONE	WT 150.85 PP	WT 180.85 PP
FANERIT	WT 150.85 FA	WT 180.85 FA

For island bench (mounting upon 4 underbench cabinets)

	1500 x 1500 mm	1800 x 1500 mm
TRESPA TopLab	WT 150.150 TR	WT 180.150 TR
POLYSTONE	WT 150.150 PP	WT 180.150 PP
FANERIT	WT 150.150 FA	WT 180.150 FA

Optional installation of end plugs to seal ducts



ISLAND BENCH EXAMPLE

1. Underbench cabinet UCFS 50.50.86 DR3 – 2 units
2. Underbench cabinet UCFS 50.50.86 DO – 2 units
3. Worktop WT150.150 TR



BINARY METAL UNDERBENCH CABINETS

Binary metal underbench cabinets are mostly useful for storage of the equipment and accessories at the working area.

Two-doors underbench cabinets free standing (UCFS DO2)

DIMENSIONS

Length – 860, 1160, 1460 mm.

Depth – 500 mm.

Height – 860 mm.



Cabinet width 860 mm

UCFS 86.50.86 ME-D02



Cabinet width 1160 mm

UCFS 116.50.86 ME-D02



Cabinet width 1460 mm

UCFS 146.50.86 ME-D02

Underbench cabinet free standing with one-door and 3 drawers (UCFS DODR3)

Cabinets with drawers are equipped with central lock.

DIMENSIONS

Length – 860, 1160, 1460 mm.

Depth – 500 mm.

Height – 860 mm.



Cabinet width 860 mm

UCFS 86.50.86 ME-D0DR3



Cabinet width 1160 mm

UCFS 116.50.86 ME-D0DR3



Cabinet width 1460 mm

UCFS 146.50.86 ME-D0DR3

Underbench cabinet free standing with 6 drawers (UCFS DR6)

Cabinet width 860 mm

UCFS 86.50.86 ME-DR6

Cabinet width 1160 mm

UCFS 116.50.86 ME-DR6

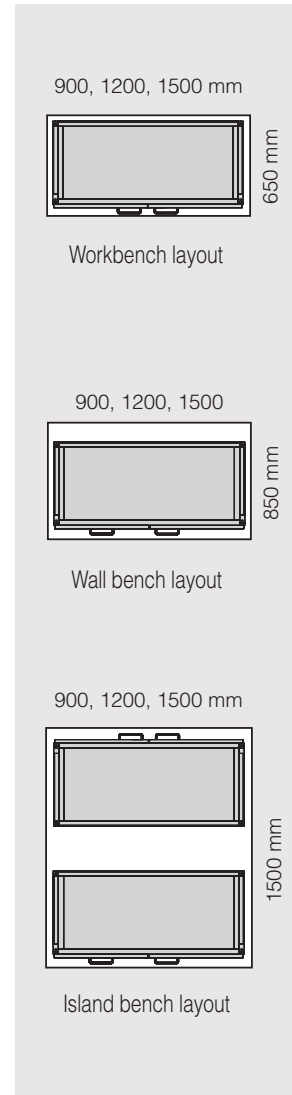
Cabinet width 1460 mm

UCFS 146.50.86 ME-DR6

WORKTOPS FOR BINARY UNDERBENCH CABINETS

For mounting upon single cabinet

	900 x 650 mm	1200 x 650 mm	1500 x 650 mm
FRIDURIT 26 mm	Upon request	WT 120.65 FRP	WT 150.65 FRP
FRIDURIT 20 mm	WT 90.65 FRS	WT 120.65 FRS	WT 150.65 FRS
TRESPA TopLab	WT 90.65 TR	WT 120.65 TR	WT 150.65 TR
POLYSTONE	WT 90.65 PP	WT 120.65 PP	WT 150.65 PP
FANERIT	WT 90.65 FA	WT 120.65 FA	WT 150.65 FA



For wall bench (mounting upon 1 cabinet)

	900 x 850 mm	1200 x 850 mm	1500 x 850 mm
FRIDURIT 26 mm	Upon request	WT 120.85 FRP	WT 150.85 FRP
FRIDURIT 20 mm	WT 90.85 FRS	WT 120.85 FRS	WT 150.85 FRS
TRESPA TopLab	WT 90.85 TR	WT 120.85 TR	WT 150.85 TR
POLYSTONE	WT 90.85 PP	WT 120.85 PP	WT 150.85 PP
FANERIT	WT 90.85 FA	WT 120.85 FA	WT 150.85 FA

For island bench (mounting upon 2 cabinets)

	900 x 1500 mm	1200 x 1500 mm	1500 x 1500 mm
TRESPA TopLab	WT 90.150 TR	WT 120.150 TR	WT 150.150 TR
POLYSTONE	WT 90.150 PP	WT 120.150 PP	WT 150.150 PP
FANERIT	WT 90.150 FA	WT 120.150 FA	WT 150.150 FA

Optional installation of end plugs to seal ducts

ISLAND BENCH EXAMPLE (WIDTH 1200 MM)

1. Underbench cabinet UCFS 116.50.86 DODR3
2. Underbench cabinet UCFS 116.50.86 DO2
3. Worktop WT 120.150 TR
4. Bench-mount rack island RI 120.26.75



BENCH-MOUNT RACKS

Bench-mount racks are made of special aluminum profiles that serves also as a duct for power cables and water, gas, and compressed air manifolds.

Racks for work- and wall-benches (RW), and island benches (RI)

Low bench-mount racks (750 mm height)

BASE CASE

- Two PVC shelves 230 mm depth in aluminum frame with skirting
- One power switch plus 2 sockets (2x1,5 kW) block

DIMENSIONS

Length – 850, 1150, 1450 mm
 Depth – 230/280 mm
 Height – 750mm



For 900 mm workbenches

RW 85.23.75



For 1200 mm workbenches

RW 115.23.75

RI 115.28.75



For 1500 mm workbenches

RW 145.23.75

RI 145.28.75

High bench-mount racks (1240 mm height)

BASE CASE

- Three PVC shelves 230 mm depth in aluminum frame with skirting
- One power switch plus 2 sockets (2x1,5 kW)
- Lightings height-adjustable

DIMENSIONS

Length – 850, 1150, 1450 mm
 Depth – 230/280 mm
 Height – 1250 mm



For 900 mm workbenches

RW 85.23.125



For 1200 mm workbenches

RW 115.23.125

RI 115.28.125



For 1500 mm workbenches

RW 145.23.125

RI 145.28.125

Additional equipment

- Socket 1,5 kW
- Socket IP 54 (3,2 kW)
- Electrical break automat, 10 A

SERVICE STANDS

Service stands for work- and wall-benches (SSW), and island benches (SSI)

BASE CASE

- Worktop – POLYSTONE with edges.
- Two PVC shelves 230/280 mm depth in aluminum frame with skirting.
- One or two blocks, 1 power switch plus 2 sockets.
- (2x1.5 kW), electrical break 10 A.
- Lightings.

DIMENSIONS

Length – 1200, 1500 mm.
Shelves Depth – 230/280 mm.
Height – 1900...2050 mm.

FEATURES

- Patented aluminum profile with powder coating
- Easy mounting to workbenches

OPTIONAL EQUIPMENT

- Drain sink Plastifer 15.15.15.
- Water tap FAR.
- Socket 1,5 kW, socket IP 54 (3,2 kW).
- Electrical break automat 16A.
- Cold water tap FAR.
- Technical gases taps mounted in the worktop.
- Water and technical gases remote inlet.



For 1200 mm workbenches

SSW 120.23.205

SSI 120.28.205



For 1500 mm workbenches

SSW 120.23.205

SSI 120.26.205

SHELVES WITH GLASS SLIDING DOORS



FOR WALL RACKS

	Dimensions, mm (W x D x H)
SW 75	800 x 220 x 320
SW 105	1100 x 220 x 320
SW 135	1400 x 220 x 320

FOR ISLAND RACKS

	Dimensions, mm (W x D x H)
SI 75	800 x 270 x 320
SI 105	1100 x 270 x 320
SI 135	1400 x 270 x 320

SINK WORKBENCHES



Sink workbenches can be placed separately or serve as a functional module of free-standing benches. They are equipped with special laboratory water mixer taps made in Italy.

Fronts are made of absolutely moisture-proof and non-corrosive materials.

Eye washing system and emergency showers are supplied upon request.

« 34

Sink workbenches (SWB) with INJECTION MODULE POLYPROPYLENE worktops

These sink workbenches can be optionally equipped with suspended or bench-mount drain boards and also rear and side splash-proof shields

Sink workbenches with FRIDURIT CERAMICS worktop

Equipped optionally with suspended drain boards

Sink workbenches with stainless steel worktops

Equipped optionally with suspended drain boards



Model	Sink	Dimensions, mm	Sink size, mm
SWB 75.60.90 PP	Polypropylene module	750 x 600 x 900	500 x 400 x 325
SWB 120.75.90 PP	Polypropylene module	1200 x 750 x 900	400 x 500 x 325
SWB 120.75.90 PP-D	Polypropylene module	1200 x 750 x 900	400 x 400 x 300
SWB 150.60.90 PP	Polypropylene module	1500 x 600 x 900	500 x 400 x 325
SWB 80.75.90 FRP	worktop plus sink – FRIDURIT	800 x 750 x 900	400 x 400 x 250
SWB 120.75.90 FRP	worktop plus sink – FRIDURIT	1200 x 750 x 900	400 x 400 x 250
SWB 120.75.90 TR-FRP	worktop – TRESPA, sink – FRIDURIT	1200 x 650 x 900	400 x 400 x 250
SWB 140.75.90 FRP	worktop plus sink – FRIDURIT	1400 x 750 x 900	400 x 400 x 250
SWB 50.60.90 SS-16	stainless steel module	500 x 600 x 900	340 x 420 x 160
SWB 80.60.90 SS-16	stainless steel module	800 x 600 x 900	340 x 400 x 160
SWB 80.60.90 SS	stainless steel module	800 x 600 x 900	500 x 400 x 300
SWB 80.60.90 SS-D-16	stainless steel module	800 x 600 x 900	340 x 400 x 160
SWB 120.70.90 SS	stainless steel module	1200 x 700 x 900	500 x 400 x 300
SWB 120.70.90 SS-D	stainless steel module	1200 x 700 x 900	500 x 400 x 300
SWB 150.60.90 SS	stainless steel module	1500 x 600 x 900	500 x 400 x 300
SWB 150.60.90 SS-D	stainless steel module	1500 x 600 x 900	500 x 400 x 300



SWING DOORS OR SLIDING DOORS ARE OPTIONAL

SPECIALIZED TABLES



Specialized tables are designated to balance, to big equipment (chromatographs, AAS, calorimeters), to arrange consistent line (corner, side tables), and for any possible service stands, for storage of acids, for movement or for educational purposes.



SPECIALIZED TABLES

Tables specialized for Balance (TSB)

Effective dampening system absorbs most of the vibrations and guarantee accuracy and reproducibility with balances of any class of accuracy.

BASE CASE

- A-frame from rectangular steel tube (60x30x2 mm cross-section)
- Damped 60 mm thick granite slab
- 600x400 mm

TSB 60.40.75

- Worktop – Polished granite 600x400x60 mm



600x400x750

TSB 60.40.75

TSB 120.60.75

- Dual table with independent balance support from granite slab 600x400x60 mm, built in the outer laminate table
- Optionally equipped with suspended underbench cabinets



1200x600x750

TSB 120.60.75



1200x600x750(900)

TSBE 120.60.75/90

Specialized Apparatus Tables (TSA)

Ruggedized tables for convenient analytical work. Besides chromatograph or spectrometer with PC accommodate auxiliary equipment: hydrogen generator, compressor, gas pipes. Service panel has four sockets.

DIMENSIONS

- Length – 1500 mm
- Depth – 850 mm
- Table height – 900 mm
- Height with panel – 1050 mm

Worktop – FANERIT



TSA 150.85.90



WBCA 150.75.90 TR



WB 120.60.75/90 FA
WB 150.60.75/90 FA

Special Table for calorimeter/AAS/ chromatograph

Work Bench WBCA 150.75.90 has chemical resistant work top TRESPA TopLab and rigged metal frame. Table is equipped with two heavy drawers for calorimetric bomb and calorimetric accessories storage.

Personnel tables

Work Benches for personnel (length 1200 or 1500 mm) WB 150.60.75/90 FA and WB 120.60.75/90 FA have worktops made from FANERIT. They are equipped with side metal covers and they have aluminium profile 142 x 60 mm on rear side for connection with electricity supply and computer network. They are useful for organization of operator control place in the laboratory. They can be equipped with mobile under-bench cabinets or suspended cabinets.

SPECIALIZED TABLES

Corner tables (WBC)

Corner tables increase the working area by utilizing laboratory corner space. Corner tables are complementary to the high and low models of work- and wall-tables.

		
	For workbenches (depth 650 mm, height 750 and 900 mm)	For wall-benches (depth 850 mm, height 750 and 900 mm)
TRESPA TOP LAB	WBC 90/65.90/65.90-TR	WBC 120/85.120/85.90-TR
FANERIT	WBC 90/65.90/65.90-FA	WBC 120/85.120/85.90-FA
	900/650 x 900/650 x 900 mm	1200/850 x 1200/850 x 900 mm

Side tables (WB)

			
	1500 x 750 x 750 mm	1500 x 750 x 900 mm	1500 x 750 x 900
TRESPA TOP LAB	WB 150/80.75/40.75 TR	WB 150/80.75/40.90 TR	WT 150/80.75/40 TR + UC 146/76.65/30.86

Octagonal tables



SPECIALIZED TABLES

Specialized tables economy

Tables of two standard sizes with various chemical resistant worktops economy line.

DIMENSIONS

Width – 1200,1500 mm.
 Top Depth – 600 mm.
 Table height – 900 mm.
 Height with stand – 1700 mm.

Stand has 2 shelves

BASE CASE

- O-frame from rectangular steel tube (60x30x2 mm cross-section).

OPTIONALLY

- Equipped with metal underbench cabinets
- Shelves with glass sliding doors
- Electricity supply, gas, water outlets.
- Underbench metal cabinet (UMC 50.50.60-DO)with door 500x500x600 (WxDxH)
- Underbench metal cabinet (UMC 50.50.60-DR3) with 3 drawers 500x500x600 (WxDxH)



	Width 1200 mm	Width 1500 mm
TRESPA TopLab	TSE 120.60.90/170-TR	TSE 150.60.90/170-TR
Ceramic Tiles	TSE 120.60.90/170-KG	TSE 150.60.90/170-KG
Laminate	TSE 120.60.90/170-LA	TSE 150.60.90/170-LA
	Equipped with: UMC 50.50.60-DO SW 110.25.35G	Equipped with: UMC 50.50.60-DR3 SW 110.25.35G

SPECIALIZED TABLES

Mobile tables (TSM)

Tables have rugged frame from rectangular steel tube (60x30x2 mm cross-section). Worktop material is TRESPA. Polypropylene tray is installed on the metal shelf. Wheels 100 mm diameter, with arresting gear.



500 x 600 x 750 mm

TSM 50.60.75



900 x 600 x 750 mm

TSM 90.60.75



1200 x 600 x 750 mm

TSM 120.60.75

Underbench cabinets mobile for acids storage and transfer

Cabinets are made of polypropylene. One tray is included.



850 x 550 x 700 mm

UCM 85.55.70-PP



1150 x 550 x 700 mm

UCM 115.55.70-PP



1450 x 550 x 700 mm

UCM 145.55.70-PP

Suspended cupboards

Suspended cupboards are used for storage of laboratory files (330 mm standard shelf height) or glassware. Suspended cupboards are made of melamine with sliding glass windows or with softforming swing doors.



800 x 320 x 708 mm

C 80.32.71 G

with sliding glass windows



1200 x 320 x 708 mm

C 120.32.71 G

with sliding glass windows



800 x 320 x 708 mm

C 80.32.71 ML

with swing doors



1200 x 320 x 708 mm

C 120.32.71 ML

with swing doors

STORAGE CABINETS



Security, safety and long terms of materials storage is an important task of laboratory management, which is solved perfectly with the labproff™ laboratory cupboards.

Storage cabinets can be made

- from metal
- from metal with polypropylene lining
- from melamine
- from polypropylene
- under EN14170-1
- under OSHA requirements 29 CFR1910.106



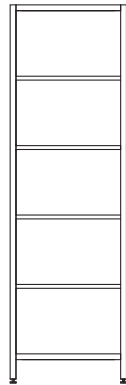
METAL LABORATORY CUPBOARDS

MAIN-PURPOSE LABORATORY CUPBOARD

LCM 60.50.195 ME

- 2 doors (double metal with acoustic absorber);
- 5 shelves;
- lock in lower door.

600x500x1950 mm

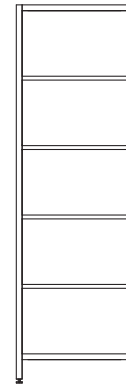


LABORATORY CUPBOARDS FOR CHEMICALS

LCC 60.50.195 ME

- 1 door (double metal with acoustic absorber);
- 5 shelves;
- 2 polypropylene trays;
- flange 100 mm;
- lock knob.

600x500x1950 mm

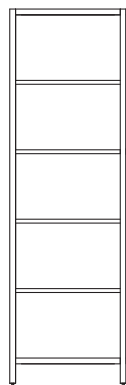


CUPBOARD FOR DOCUMENTS

LCD 60.50.195 ME

- 2 doors (double metal with acoustic absorber, the upper door is a glass in frame);
- 5 shelves;
- lock in lower door;

600x500x1950 mm

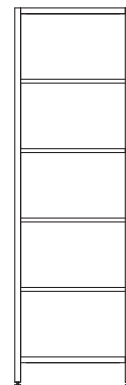


CUPBOARD FOR GLASSWARE

LCG 60.50.195 ME

- 2 doors (glass in frame);
- 5 shelves.

600x500x1950 mm



METAL LABORATORY CUPBOARDS

WARDROBE

LCW 60.50.195 ME

- door (double metal with acoustic absorber);
- hat shelf;
- pillars for hangers;
- mirror, lock knob.

600x500x1950 mm



GAS CYLINDER CABINET

LCGC 60.35.165

- 1 door (metal);
- cylinder attachment chain;
- lock knob.

600x350x1650 mm



Laboratory cupboard for acids

LCA 60.50.195 ME

- 2 sections, 2 polypropylene drawers in each section;
- flange 100 mm.

600 x 500 x 1950 mm

It consists of frame base on adjustable supports and aluminum profile frame. Walls and shelves are made of polypropylene.



LCA 60.60.200 ME

- 2 doors (double metal with acoustic absorber);
- 2 shelves;
- locks in the doors;
- 1 drawer with polypropylene tray;
- flange 100 mm.

600x600x2000 mm

LCA 60.60.200 ME-PP

- 2 doors (double metal with acoustic absorber);
- 2 polypropylene shelves;
- locks in the doors;
- Lining with polypropylene
- 1 drawer with polypropylene tray;
- flange 100 mm.
-

600x600x2000 mm



LABORATORY CUPBOARDS MELAMINE

All cupboards consist of frame base on adjustable supports and melamine case with wooden doors or glass doors in aluminum or wooden frames. Laboratory cupboards are easily assembled in multi-unit sections.

Main-purpose laboratory cupboards

LCM 40.57.210 ML

- 2 doors;
- 5 shelves (1 built-in, 4 - detachable);
- lock in the lower door.

400x565x2100 mm

LCM 80.57.210 ML

- 4 doors;
- 5 shelves in each section (1 built-in, 4 - detachable);
- lock in the lower right door.

800x565x2100 mm



Wardrobes

LCW 40.57.210 ML

- 1 door;
- hat shelf and boot shelf;
- pillars for hangers;
- mirror;
- lock.

400x565x2100 mm

LCW 80.57.210 ML

- 2 doors;
- hat shelf and boot shelf;
- pillars for hangers;
- mirror;
- lock in the right door.

800x565x2100 mm

Laboratory cupboards for chemicals

LCC 40.57.210 ML

- 1 door;
- 5 shelves (1 built-in, 4 - detachable);
- polypropylene tray;
- flange 100 mm.
- lock.

400x565x2100 mm

LC6B 40.57.210 ML

- 1 door;
- pull-out with six metal baskets;
- flange 100 mm.

400x565x2100 mm

LC4D 40.57.210 ML

- 4 drawers with enclosed polypropylene trays;
- 2 shelves;
- flange 100 mm.

400x565x2100 mm

LCC 80.57.210 ML

- 2 doors;
- 5 shelves in each section (1 built-in, 4 - detachable);
- 2 polypropylene trays;
- flange 100 mm.
- lock in right door.

800x565x2100 mm

« 46

Laboratory cupboards for glassware

LCG 40.57.210 ML

- 2 glass doors in melamine frames;
- 5 shelves (1 built-in, 4 - detachable).

400x565x2100 mm

LCG 40.57.210 AL

- 2 glass doors in aluminum frames;
- 5 shelves (1 built-in, 4 - detachable)

400x565x2100 mm

LCG 80.57.210 ML

- 4 glass doors in melamine frames;
- 5 shelves in each section (1 built-in, 4 - detachable).

800x565x2100 mm

LCG 80.57.210 AL

- 4 glass doors in aluminum frames;
- 5 shelves in each section (1 built-in, 4 - detachable).

800x565x2100 mm

CHAIRS AND STOOLS

Model	Height, mm	Seat material and shape	Base
Chair 530 GBR GS	410 to 540	Ergonomic seat from lacquered beech with U-bend	Chrome-plated steel, 5-star, caster wheels
Chair 730 GBKR GS	450 to 580	Black soft polyurethane comfortable seat	Chrome-plated steel, 5-star, caster wheels
Stool 711 GHR	540 to 780	Black polyurethane round seat	Chrome-plated steel, 5-star, caster wheels
Stool 721 GHK GS	580 to 820	Black soft polyurethane comfortable seat	Chrome-plated steel, 5-star, adjustable feet
Chair 731 GHKR	550 to 790	Black polyurethane ergonomic seat	Chrome-plated steel, 5-star, caster wheels

ADVANTAGES

- Chairs and stools of European quality are made of soft polyurethane (4 cm thick) and plywood.
- Flexible polyurethane is resistant to sparks, cuts, weak acids, wear and tear;
- Separate and easy seat and back adjustment ;
- Chair back height and chair seat depth adjustment;
- Pneumo-lift, works as a shock-absorber as well;
- Aluminum footring
- Chairs and stools meet the requirements of DIN 68877 standard.



530 GBR GS

730 GBKR GS

711 GHR

721 GHK GS

731 GHKR

WORKTOPS



Worktops are the most critical and susceptible to different damages parts of the laboratory furniture.

Moreover, the worktop material may affect the process and the outcome of an experiment.

That is why durability, lifetime and aesthetics are the key factors in our choice of worktop material.





Physicochemical properties of labproff™ top materials

	Water, salts solutions	Mineral and organic acids solutions	Concentrated mineral acids	Fluoric acid	Concentrated alkalis	Alcalis liquors	Organic solvents	Dyes	Hot oils, °C	Temperature range, °C
Fridurit Premium 26mm Fridurit Modular 20 mm	-	-	-	+/-	-	-	-	-	-	-80...1100
Ceramics Tiles	-	-	-	+/-	-	-	-	+	-	-50...800
Trespa TopLab	-	-	+/-	-	+/-	-	+/-	+/-	+/-	-50...180
POLYSTONE	-	-	-	-	-	-	-	+/-	+/-	0...140
Fanerit/ Laminate	-	-	+/-	+	+/-	-	+/-	+/-	+/-	-50...180
Melamine	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+/-	+	-50...140
Polished granite	-	-	-	+/-	+/-	-	-	+/-	+/-	-80...800

- no change

+/- no change under short-term exposure

+ surface coating changes without basic consumer characteristics violation

++ material damage

Seven steps to laboratory project

1

Specification

Take measurements of your laboratory premises with exact geometry including windows and doors.

Prepare the laboratory design including all supply communications. List analytical procedures and instruments.

List the laboratory furniture needed for your work.

Send us this specification.



2

Consulting

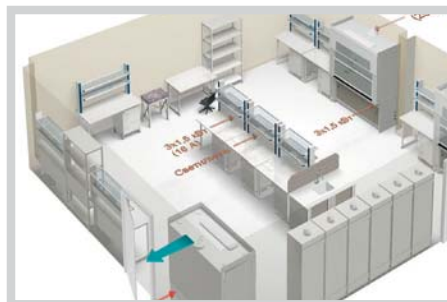
In collaboration with you our experts find optimal solutions concerning worktops materials and furniture dimensions taking into account your interests and financial means, standards and regulations.



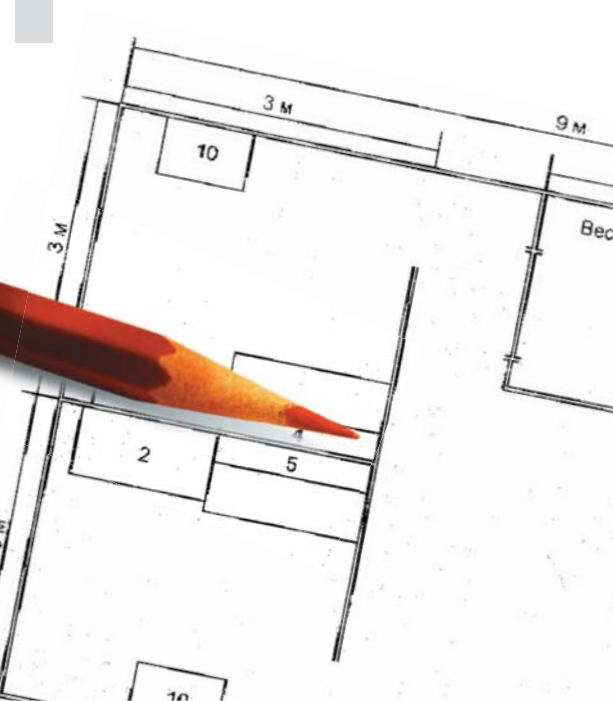
3

Laboratory design draft

Designers prepare 3-D design model according to chosen laboratory furniture set.



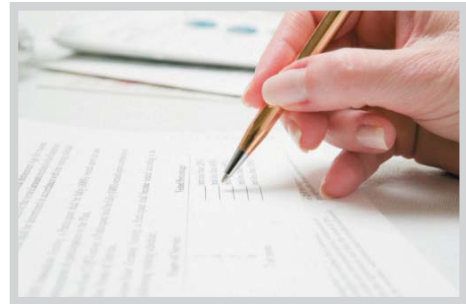
« 50



4

Commercial offer preparation and discussion

We compile and negotiate detailed list of furniture with delivery terms and installation (when needed) prices.



5

Contract and pro forma invoice

Immediately our office sends the contract and pro forma invoice to you.



6

Furniture manufacturing

Our production line manufactures your order in agreed time.



7

Delivery and installation

We arrange the delivery in the most suitable way, then the team of installers arrives, assemble furniture and provide operation recommendations.

Laboratory furniture is then commissioned for 24 months warranty service.



HOTLINES

Product information:
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+7 812 320 5215
+7 812 320 5214

YOUR REGIONAL DEALER