

LABOdacta[®]

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Design and functionality is setting school trends: LABOdacta





In order to support the potential of the younger generation, ideal educational conditions shall be created. The classroom as an educational location is an important link between theory and practice. A know-how in functionality, quality and safety that was developed over decades is united in the scientific classroom furniture of Wesemann. With the new and flexible media supply system a milestone was set for the education of future generations.





The teacher desk offers excellent conditions for a comfortable test set-up, a safe execution and a vivid presentation in front of the class.



Excellent perspectives for teachers





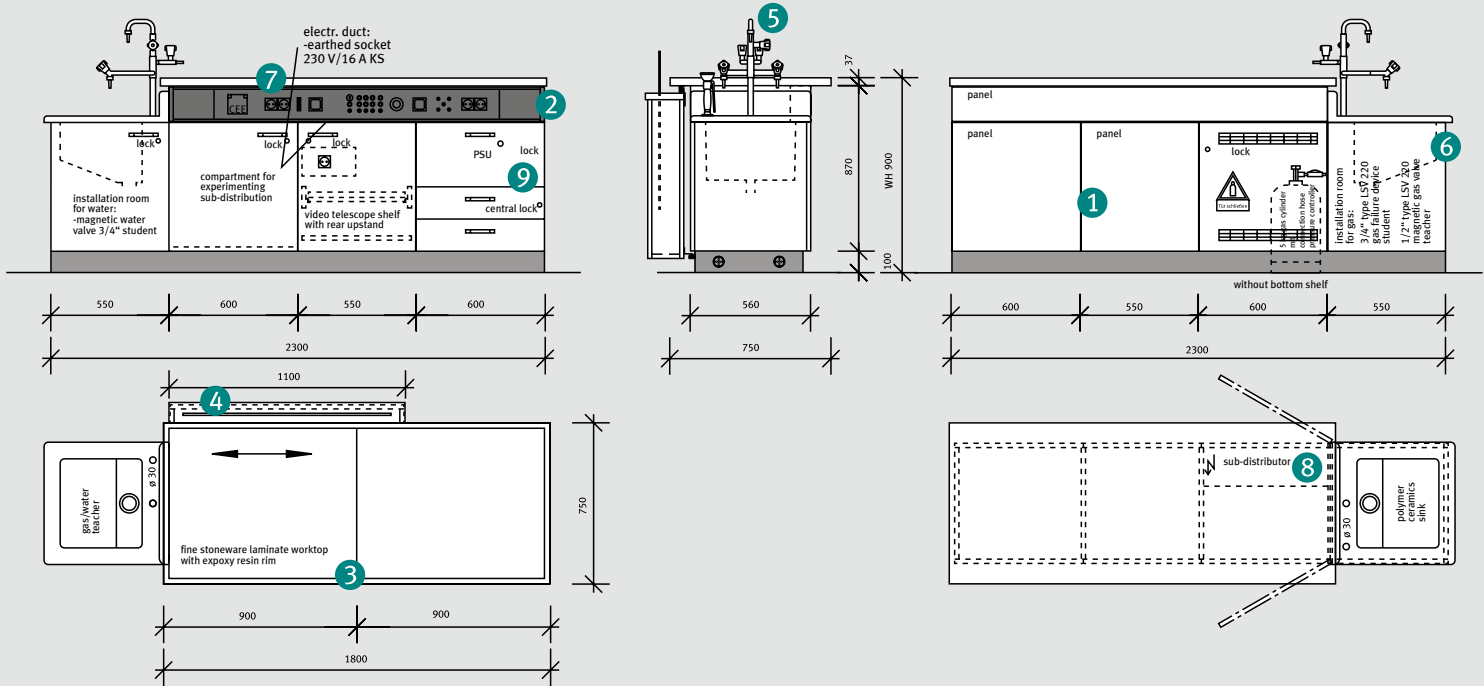
Teacher desk with add-on sink

The teacher desks offer all conditions for a safe execution of experiments. Any required control and safety equipment can be integrated into the student experimenting stations. The designs with add-on sink or built-in sink fulfil the various demands for ergonomics and functionality.



with
built-in
sink

Example teacher desk with add-on sink



- 1 Underbench unit elements**
 Underbench unit sink cupboard with add-on sink, modular grid 550
 Underbench unit electric installation and propane cylinder, modular grid 600
 Underbench unit with video compartment, modular grid 550
 Shock proof socket 230V within underbench unit
 Underbench unit for PSU, modular grid 600
- 2 Media duct with frame**
 Media duct with frame, modular grid 1750
- 3 Worktops**
 Fine stoneware compound worktop, modular grid 1800
- 4 Screening grid for teacher desks**
- 5 Sanitary fittings for teacher desks**
 Multimedia column on stands
 3 cold water outlets
 2 all gas taps with hose outlets
 Eye shower
- 6 Sanitary installation**
 Magnetic water valve 3/4 inch water student
 Magnetic gas valve 1/2 inch gas teacher
 Gas failure device 3/4 inch gas student
- 7 Electrical fittings**
 Teacher desk fitting frame equipped with:
 4 earthed sockets 230V/16 A KS
 1 push-button for room illumination
 1 CEE rotary current socket 400V/16 A
 1 key button off control - main contactor/electricity teacher
 1 switch combination on-off control - gas teacher
 1 switch combination on-off control - electricity student
- 8 Electrical installation**
 Sub-distributor equipped with:
 1 Main input contactor 63 A
 1 Fault current breaker 40/0,03 A
 1 Automatic cutout 1 pole B6A – control device
 1 Main contactor 40 A (4 turnkeys) – teacher
 1 Main contactor 40 A (4 turnkeys) – student
 4 Contactor relays 20 A (2 turnkeys) – magnetic valves
 – Contactor relay 20 A – water student
 – Contactor relay 20 A – gas teacher
 – 2 Contactor relays 20 A – gas student
 1 Automatic cutout 1 pole B10A – magnetic valves
 1 Automatic cutout 1 pole B16A – socket teacher
 1 Automatic cutout 3 poles B16A – CEE teacher
 8 Automatic cutouts 1 pole B16A – socket student
 1 Automatic cutout 1 pole B16A – monitor
 1 Automatic cutout 1 pole C16A – power supply unit
 5 Equipotential bonding terminal
 1 Connection to operational indicator lamp
- 9 Power supply units**
 Experimenting switchboard
 Type SVG 2021

Discharges:

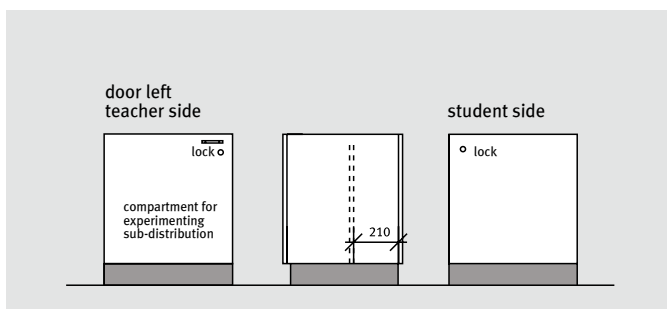
AC	0...25V 10 A
	can be switched to
DC	0...20V 10 A
AC	permanent voltage 0-6-12 V 10 A

2 Measuring instruments, 1 earth terminal
 Residual ripple 48%

Underbench units

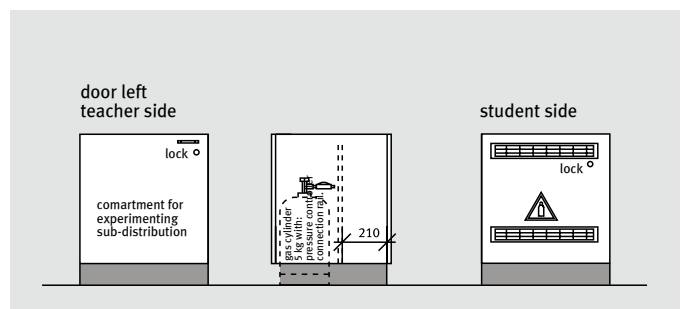
The carcass is made of 19 mm melamine resin coated flat pressed KF board (DIN EN 14322). The edges are coated with 0.5 mm thick melamine resin edges that are dyed throughout. All parts of the carcass are dowelled and glued to each other. All KF boards are of emission class E1. The front side and the visible rear walls are of flat pressed

KF board (DIN EN 14322), 19 mm; the edges are coated with 2 mm PP edges that are dyed throughout. The plinths are made of dowelled plywood board coated with a water-proof plastic foil. The edges are protected with protective plastic edges.



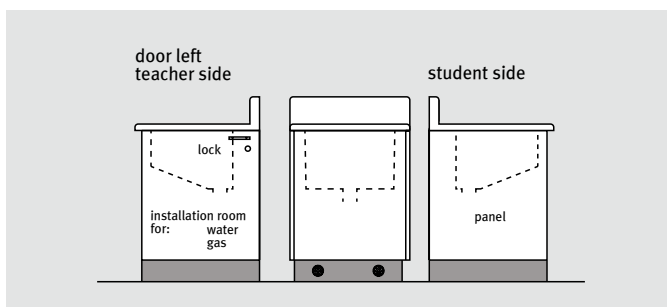
Electrical installation in underbench unit
teacher and student sides, one hinged door

Description	Article no.
door left modular grid 600	873063
door right modular grid 600	872963



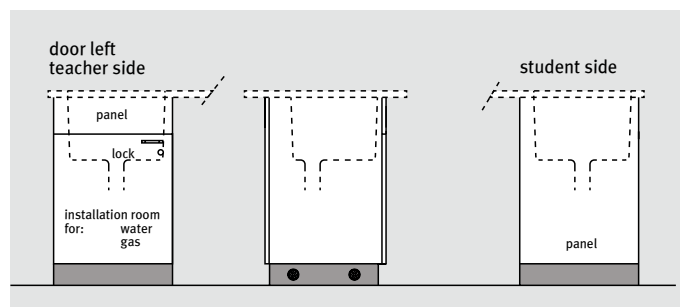
Electrical installation in underbench unit + propane cylinder
teacher and student sides, one hinged door (wo. gas cylinder)

Description	Article no.
Door left modular grid 600	874163
Door right modular grid 600	874063



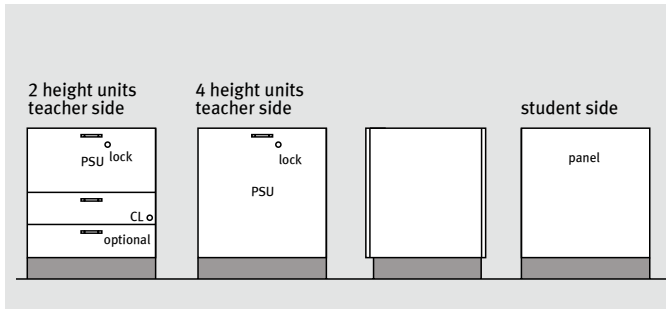
Underbench sink cupboard with add-on sink
hinged door on teacher side, sink of polymer ceramics

Description	Article no.
door left modular grid 550	871460
door right modular grid 550	871360



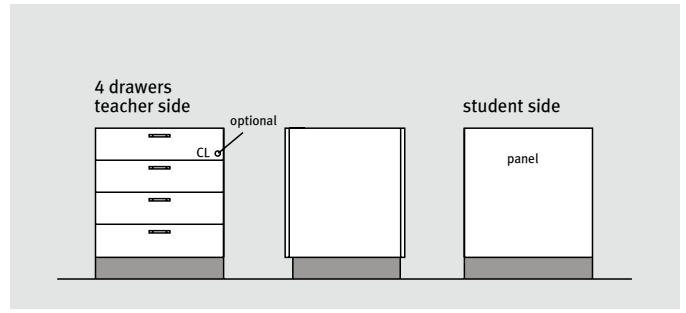
Underbench sink cupboard for built-in sink
hinged door on teacher side

Description	Article no.
Door left modular grid 600	874360
Door right modular grid 600	874260



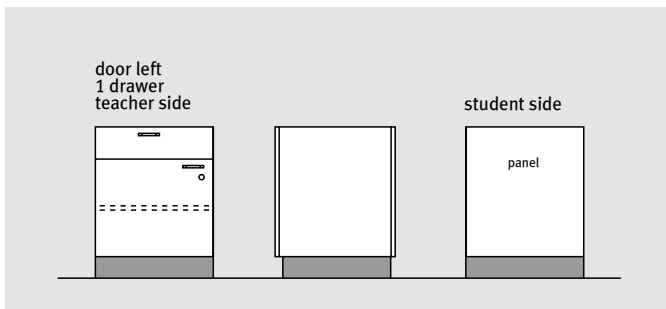
Underbench unit for power supply unit (PSU)

Description	Article no.
modular grid 600 for PSU 2 height units	874663
modular grid 600 for PSU 4 height units	874763
modular grid 900 for PSU 4 height units	874765
central lock (CL)	913103



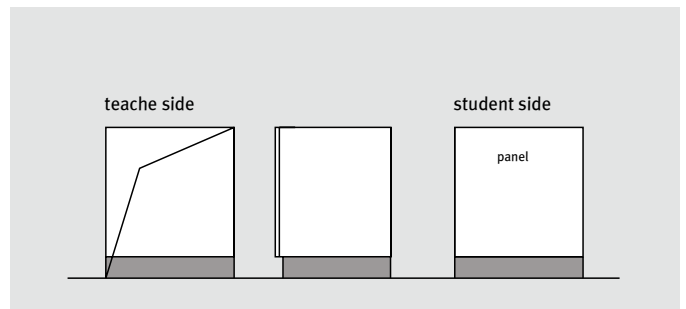
Underbench unit with 4 drawers Schubkästen

Description	Article no.
modular grid 600	870663
modular grid 550	870660
modular grid 450	870662
central lock (CL)	913103



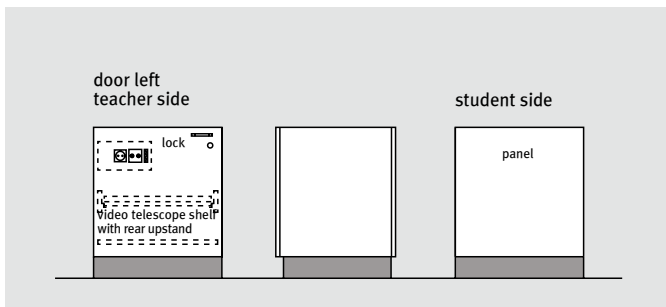
**Underbench unit with 1 drawer, hinged door
1 shelf, hinged door on teacher side**

Description	Article no.
door left modular grid 600	870363
door right modular grid 600	870463
back lock for drawer	913102



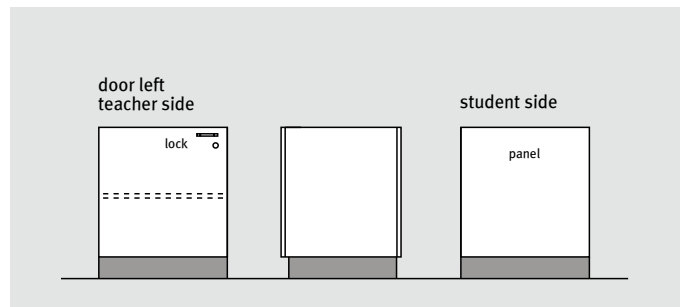
Underbench unit seat niche

Description	Article no.
modular grid 550	872760
modular grid 600	872763



**Underbench unit with video compartment
drawer with raised edge, door on teacher side**

Description	Article no.
door left modular grid 550	874460
door right modular grid 550	874560
door left modular grid 600	874463
door right modular grid 600	874563
Accessory: video compartment	
earthed socket 230 V	681001
Scart socket in media frame, wired with Scart plug ending in video compartment	681012
TV signal transmission device 1 outlet, 3 inputs	681065

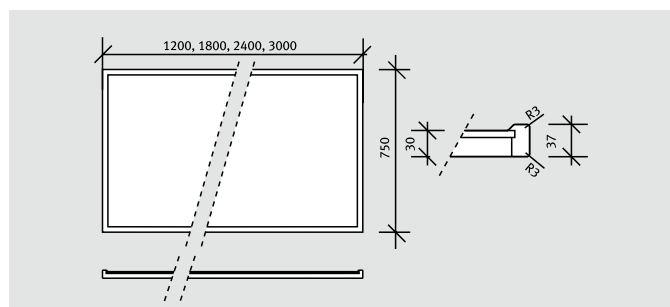
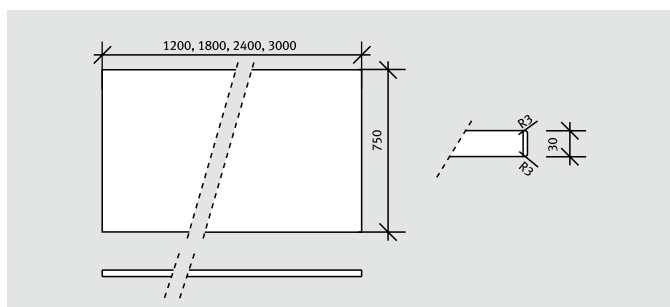


**Underbench unit with hinged door
1 shelf, hinged door on teacher side**

Description	Article no.
door left modular grid 600	870163
door right modular grid 600	870263
door left modular grid 550	870160
door right modular grid 550	870260
door left modular grid 450	870162
door right modular grid 450	870262

Worktops

For the various fields of application 5 different types are available from which two can be particularly emphasized. For a conventional exposure with regard to temperature resistance and acid-proof melamine worktops can be recommended. For extensive exposure in the chemical field fine stoneware laminate worktops are particularly suitable.

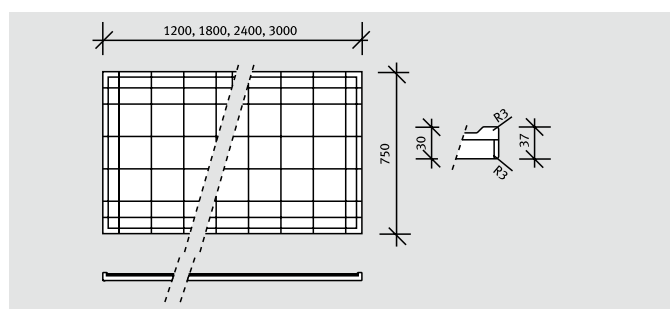
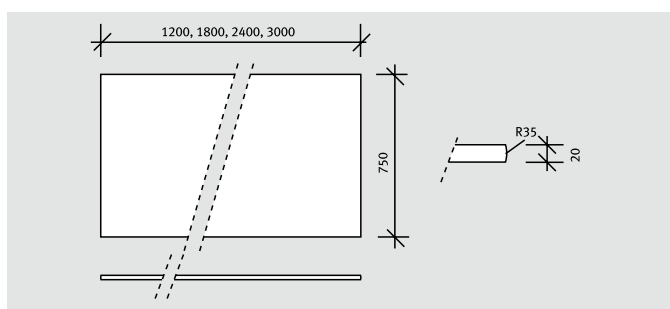


Worktops with melamine resin surfaces

Description	Article no.
modular grid 1200	310146
modular grid 1800	310148
modular grid 2400	310149
modular grid 3000	310140

Worktops of fine stoneware laminate with epoxy resin edging

Description	Article no.
modular grid 1200	352646
modular grid 1800	352648
modular grid 2400	352649
modular grid 3000	352640

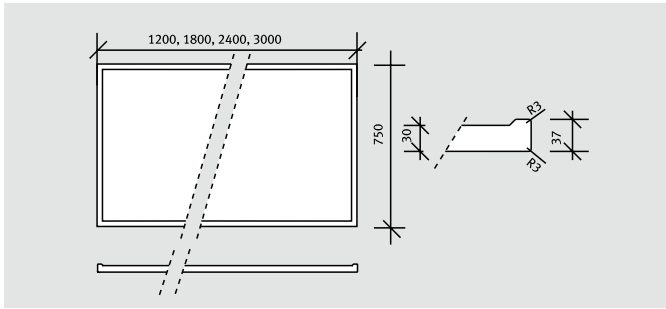


Worktops of compact HPL board (solid grade laminate board)

Description	Article no.
modular grid 1200	370146
modular grid 1800	370148
modular grid 2400	370149
modular grid 3000	370140

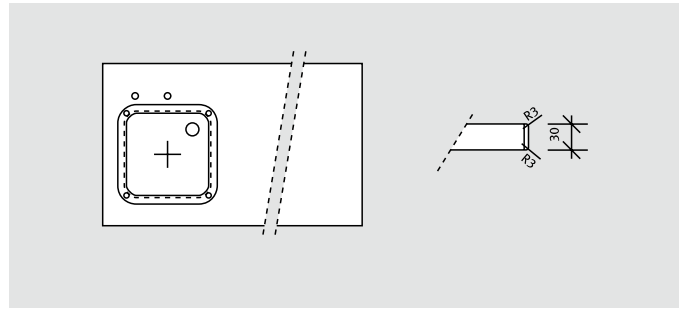
Worktops with red tiles

Description	Article no.
modular grid 1200	320146
modular grid 1800	320148
modular grid 2400	320149
modular grid 3000	320140



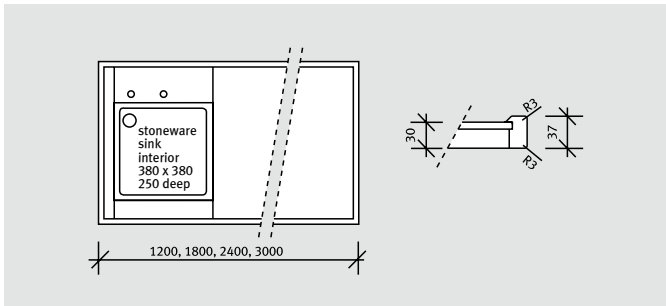
Worktops of fine stoneware

Description	Article no.
modular grid 1200	351646
modular grid 1800	351648
modular grid 2400	351649
modular grid 3000	351640



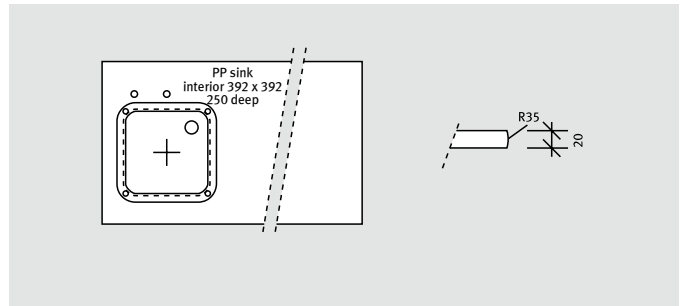
Worktops with melamine resin surface with PP sink left/right

Description	Article no.
modular grid 1200	310446
modular grid 1800	310448
modular grid 2400	310449
modular grid 3000	310440



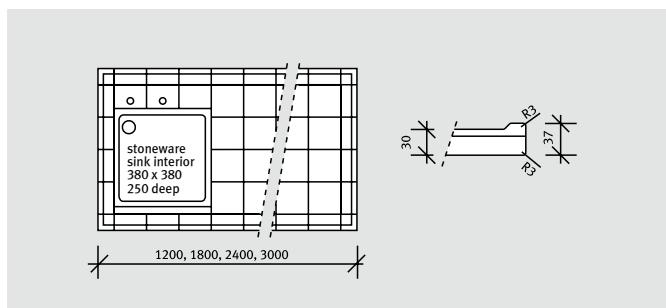
Worktops of fine stoneware laminate with stoneware sink left/right

Description	Article no.
modular grid 1200	352546
modular grid 1800	352548
modular grid 2400	352549
modular grid 3000	352540



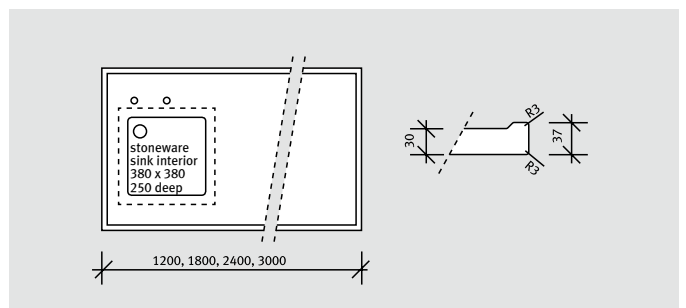
Worktops of solid grade laminate with PP sink left/right

Description	Article no.
modular grid 1200	370446
modular grid 1800	370448
modular grid 2400	370449
modular grid 3000	370440



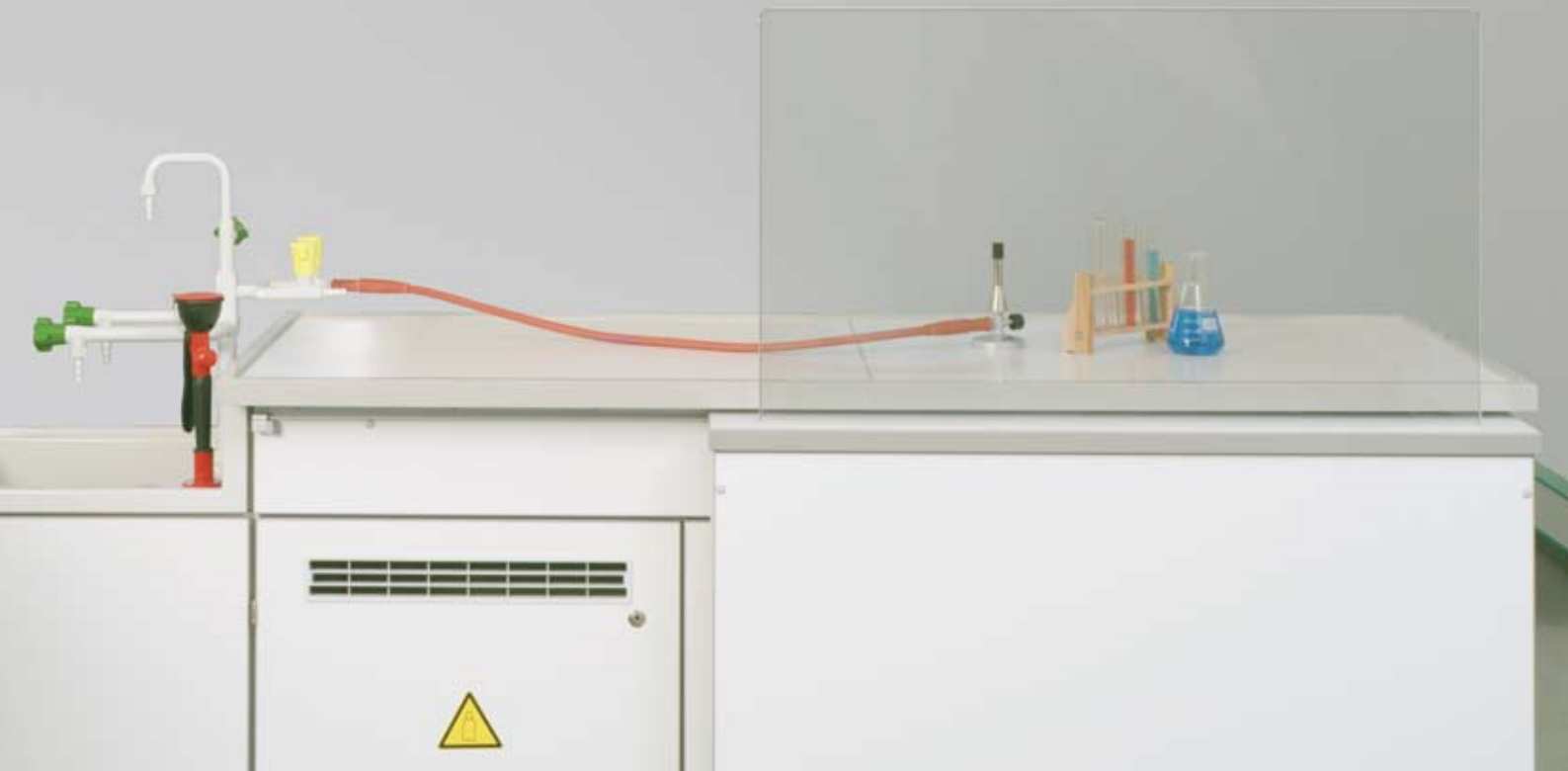
Worktops with red tiles with stoneware sink left/right

Description	Article no.
modular grid 1200	320546
modular grid 1800	320548
modular grid 2400	320549
modular grid 3000	320540



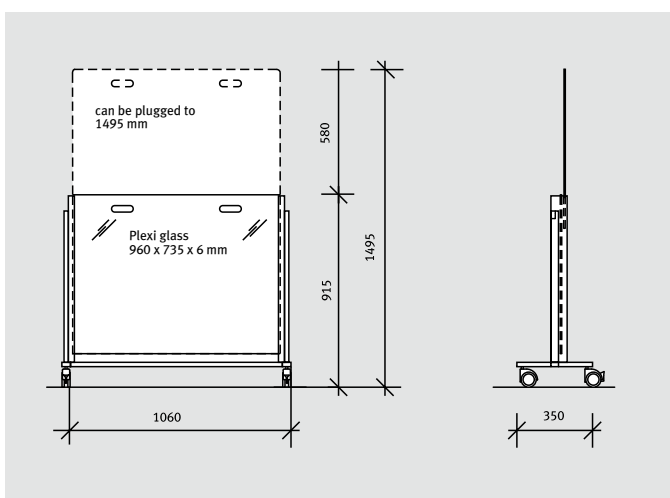
Worktops of fine stoneware with stoneware sink left/right

Description	Article no.
modular grid 1200	351546
modular grid 1800	351548
modular grid 2400	351549
modular grid 3000	351540



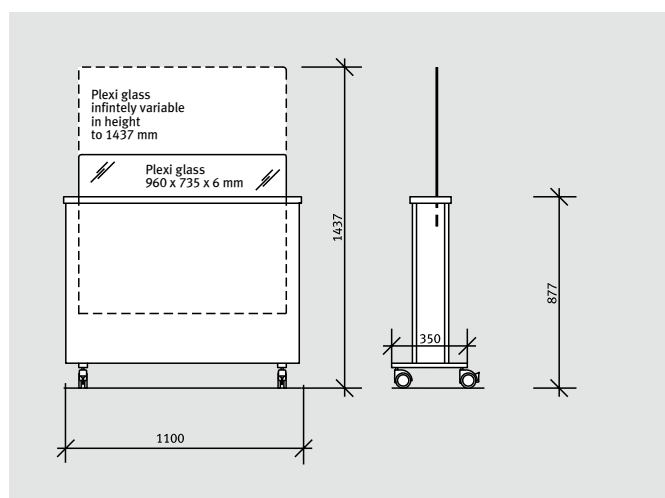
Screening grids for teacher desks

Screening grids in the chemical area should be fixed on the teacher experimenting stations to protect the students in particular. The different types fulfil all requirements for safe classes.



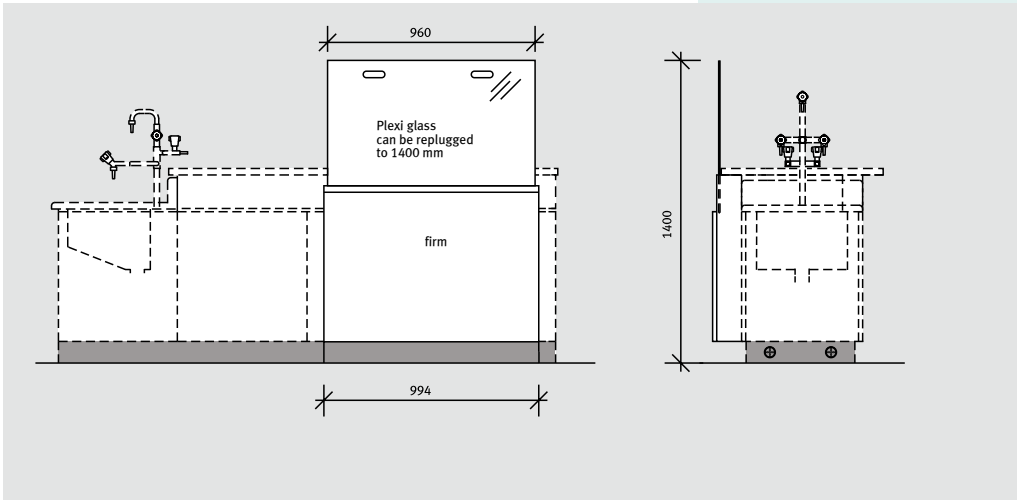
Description
plug-in screening grid, mobile

Article no.
130205



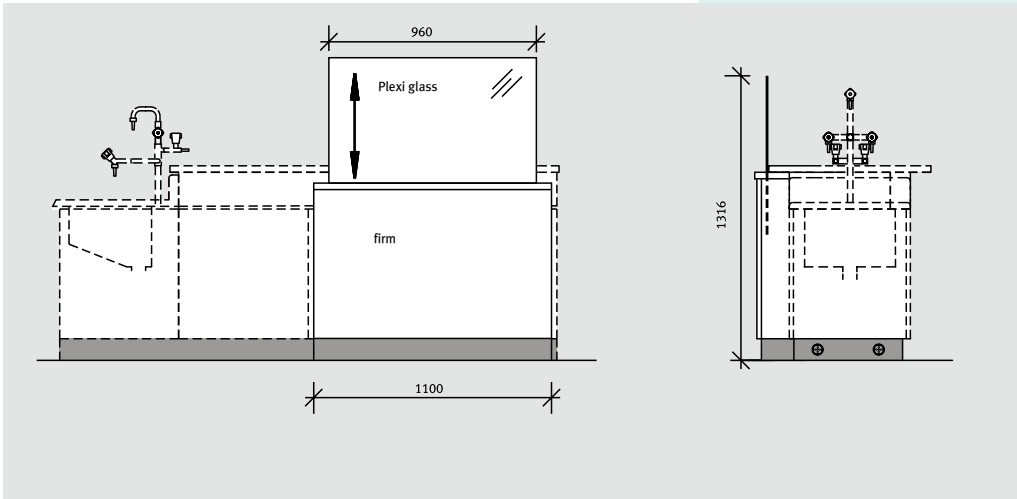
Description
submergible screening grid, mobile

Article no.
130204



Description
 plug-in screening grid, firm

Article no.
130203

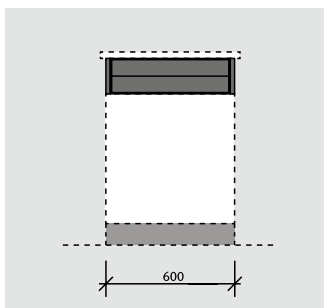


Description
 submergable screening grid, firm

Article no.
130202

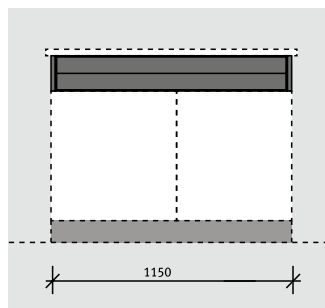
Media duct

The media duct is made of a powder coated aluminium profile with a cover and can hold any operational elements of the teacher experimenting desk.



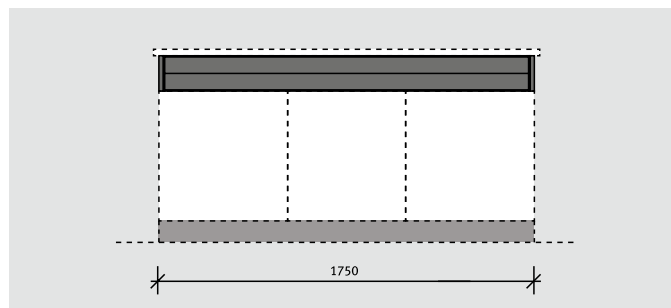
Media duct with frame

Description	Article no.
modular grid 600	130163



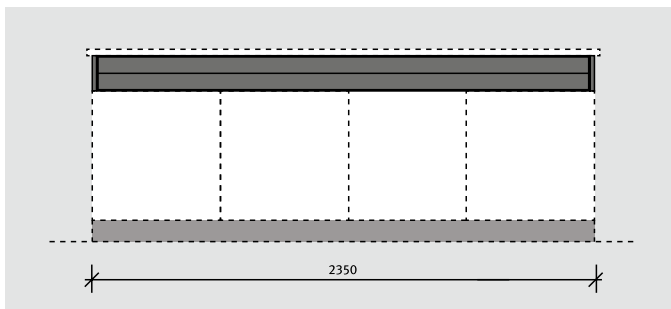
Media duct with frame

Description	Article no.
mod. grid 1150	130166



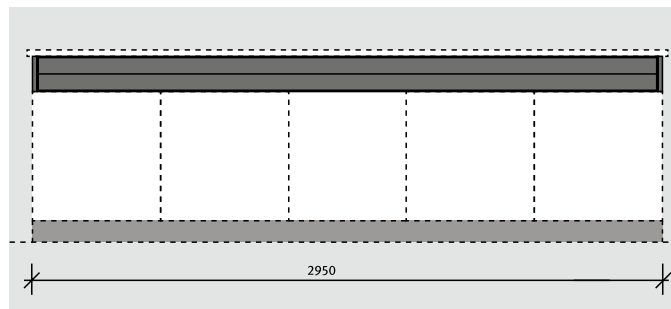
Media duct with frame

Description	Article no.
modular grid 1750	130168



Media duct with frame

Description	Article no.
modular grid 2350	130169

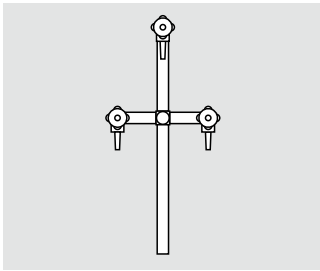


Media duct with frame

Description	Article no.
modular grid 2950	130160

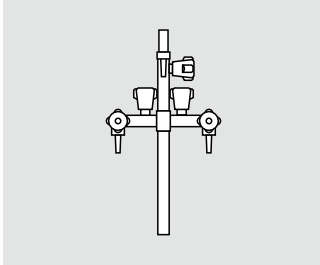
Sanitary fittings

Sanitary installations

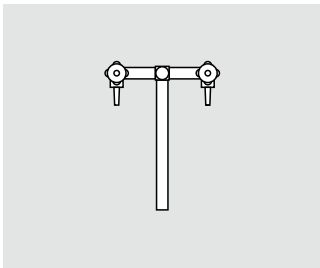


Outlet pillars for add-on sinks

Description	Article no.
3 x water	730123

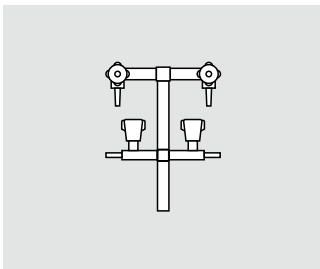


Description	Article no.
3 x water, 2 x gas tap with hose outlet	730162
3 x water, 2 x gas tap with coupling	730163

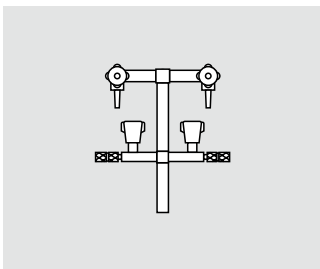


Outlet pillars for built-in sinks

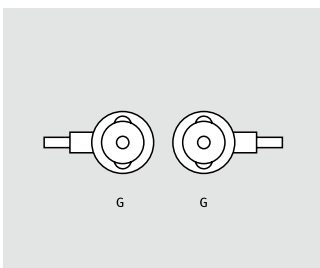
Description	Article no.
2 x water	730166



Description	Article no.
2 x water, 2 x gas tap with hose outlet	739967

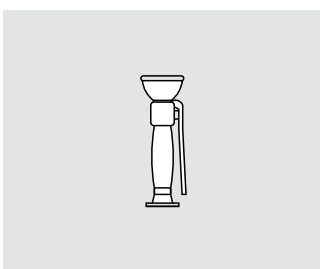


Description	Article no.
2 x water, 2 x gas tap with coupling	739968



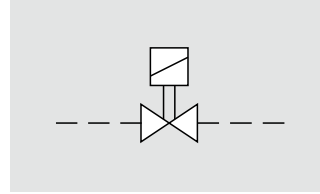
Gas fittings media frame

Description	Article no.
set of fittings 2 x angle plug valve gas with hose outlet	2 x 711911
set of fittings 2 x angle pl. val. gas w. coupling	2 x 711921



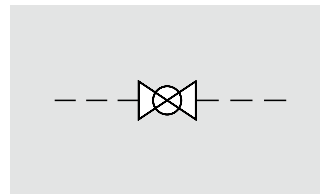
Eye shower

Description	Article no.
acc. to DIN 12899 part 2, with ver- tically spraying shower head	940078

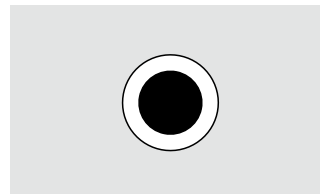


Water installation

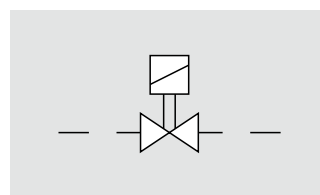
Description	Article no.
magnetic water valve 1/2 inch	790150
magnetic water valve 3/4 inch	790151



Description	Article no.
bench connec- tion water to ball tap on site	790102

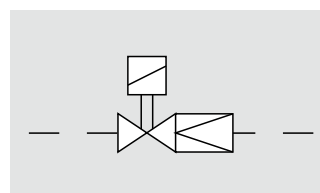


Description	Article no.
bench connection waste water	790106



Gas installation

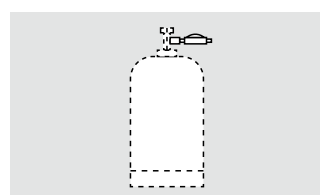
Description	Article no.
magnetic gas valve 1/2 inch	790153
magnetic gas valve 3/4 inch	790154



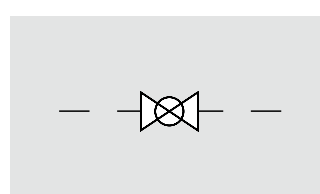
Description	Article no.
gas failure device	790156



Description	Article no.
propane cylinder 5 kg	790157



Description	Article no.
pressure reducer with manometer for propane cylin- der and hose	790158



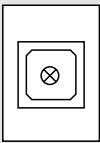
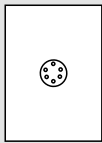
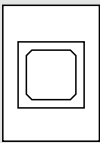
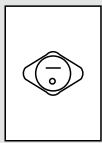
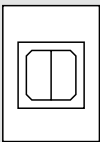
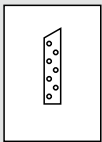
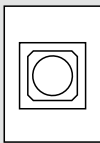
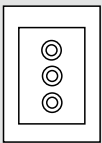
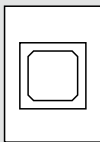
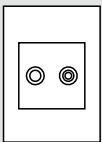
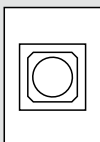
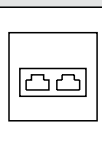
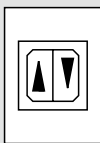

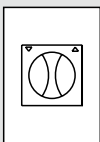
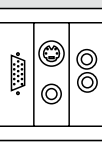
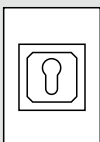
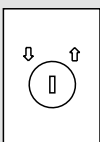
Description	Article no.
bench connec- tion gas, to ball tap on site	790103

Electrical fittings

The very right operational fittings are available for just about any requirements, be it for experiments, to control functions, or transmit pictures and sound signals.



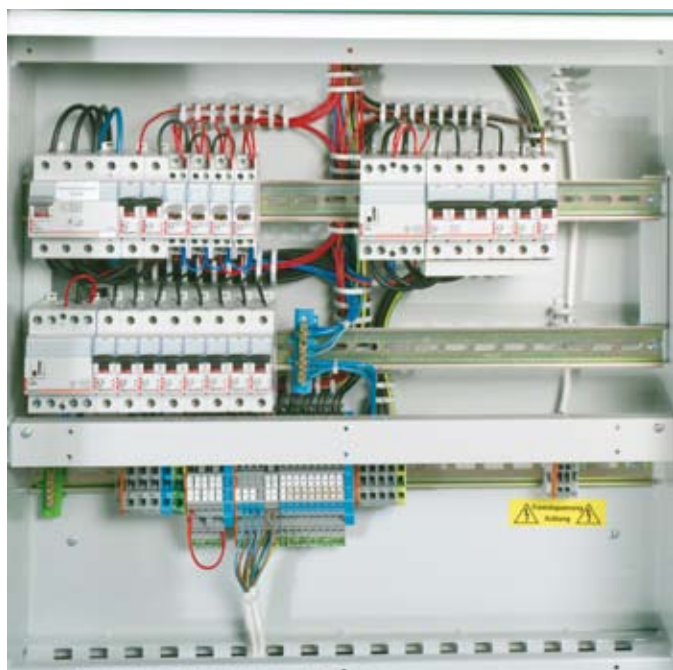
	<p>Application circuit power supply experimenting distrib. + power teacher</p>	<p>Description switch combination 1 key switch 1 off switch 1 controll lamp</p>	<p>Article no. 681035</p>		<p>Application transmission of applied low vol- tage to students</p>	<p>Description set of electrical fittings 4 selective poles 1 PE jack</p>	<p>Article no. 681008</p>
	<p>circuit - network student - gas teacher/ student - water teacher/ student</p>	<p>switch combination 1 on switch 1 off switch 1 control lamp</p>	<p>681036</p>		<p>transmission of applied low vol- tage to students</p>	<p>set of electrical fittings 8 selective poles 2 PE jacks</p>	<p>681009</p>
	<p>emergency cutout experimenting distributor</p>	<p>emerg. off sensor</p>	<p>681034</p>		<p>1 PE jack</p>	<p>681048</p>	
	<p>power supply - teacher - student - other workplaces</p>	<p>earthed socket 230 V/16 A child protection</p>	<p>681001</p>		<p>transmission of applied low vol- tage to students</p>	<p>1 select. switch</p>	<p>681007</p>
	<p>power supply EDP devices</p>	<p>earthed socket EDP red 230 V/16 A child protection</p>	<p>681062</p>		<p>network monitor</p>	<p>1 on/off switch</p>	<p>681043</p>
	<p>power supply teacher with rotary current</p>	<p>CEE socket 400 V/16 A</p>	<p>681004</p>		<p>1 toggle switch</p>	<p>681018</p>	

	<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td>circuit socket projector cabinet</td> <td>1 toggle switch with control lamp</td> <td>681020</td> </tr> </tbody> </table>	Application	Description	Article no.	circuit socket projector cabinet	1 toggle switch with control lamp	681020		<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td>connection to projector remote control jack in projector cabinet</td> <td>projector remote control jack 6 poles unwired</td> <td>681013</td> </tr> </tbody> </table>	Application	Description	Article no.	connection to projector remote control jack in projector cabinet	projector remote control jack 6 poles unwired	681013	
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	<table border="1"> <tbody> <tr> <td>light</td> <td>1 push-button</td> <td>681019</td> </tr> </tbody> </table>	light	1 push-button	681019		<table border="1"> <tbody> <tr> <td>connection to loudspeakers</td> <td>loudspeaker jack unwired</td> <td>681046</td> </tr> </tbody> </table>	connection to loudspeakers	loudspeaker jack unwired	681046							
light	1 push-button	681019														
connection to loudspeakers	loudspeaker jack unwired	681046														
	<table border="1"> <tbody> <tr> <td>light</td> <td>1 serial push-but.</td> <td>681021</td> </tr> </tbody> </table>	light	1 serial push-but.	681021		<table border="1"> <tbody> <tr> <td>connection from camera to viderecorder or to a switchbox in the underbench unit</td> <td>Scart socket 21 polest wired with Scart plug end. in video compartm. unwired</td> <td>681012</td> </tr> </tbody> </table>	connection from camera to viderecorder or to a switchbox in the underbench unit	Scart socket 21 polest wired with Scart plug end. in video compartm. unwired	681012							
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	<table border="1"> <tbody> <tr> <td>light</td> <td>rotary potentiometer 0-10 V for EPS on site</td> <td>681047</td> </tr> </tbody> </table>	light	rotary potentiometer 0-10 V for EPS on site	681047		<table border="1"> <tbody> <tr> <td>TV camera/ video recorder sound</td> <td>sockets 1 x Cinch/screen 2 x Cinch/sound unwired</td> <td>681068</td> </tr> </tbody> </table>	TV camera/ video recorder sound	sockets 1 x Cinch/screen 2 x Cinch/sound unwired	681068							
light	rotary potentiometer 0-10 V for EPS on site	681047														
TV camera/ video recorder sound	sockets 1 x Cinch/screen 2 x Cinch/sound unwired	681068														
	<table border="1"> <tbody> <tr> <td>light for taking notes (push-button in media frame remote dimmer in sub-distribution)</td> <td>push-dimmer 1000 W remote control (resistive load)</td> <td>681027</td> </tr> </tbody> </table>	light for taking notes (push-button in media frame remote dimmer in sub-distribution)	push-dimmer 1000 W remote control (resistive load)	681027		<table border="1"> <tbody> <tr> <td>connection to antenna</td> <td>antenna socket TV/RF unwired</td> <td>681011</td> </tr> </tbody> </table>	connection to antenna	antenna socket TV/RF unwired	681011							
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	<table border="1"> <tbody> <tr> <td>light</td> <td>dimmer 600 W with toggle switch (resistive load)</td> <td>681025</td> </tr> </tbody> </table>	light	dimmer 600 W with toggle switch (resistive load)	681025		<table border="1"> <tbody> <tr> <td>network connection</td> <td>data socket RJ 45 CAT 6 unwired single socket twin socket</td> <td>651903 651904</td> </tr> </tbody> </table>	network connection	data socket RJ 45 CAT 6 unwired single socket twin socket	651903 651904							
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	<table border="1"> <tbody> <tr> <td>obscuration device</td> <td>rotary/ push-lock button up-0-down</td> <td>681030</td> </tr> </tbody> </table>	obscuration device	rotary/ push-lock button up-0-down	681030		<table border="1"> <tbody> <tr> <td>connection unit video projector</td> <td>930100</td> </tr> <tr> <td colspan="2">The fitting offers 3 alternatives for the transmission of picture signals</td> </tr> <tr> <td colspan="2"> <ol style="list-style-type: none"> transmission of picture signal with yellow Cinch socket. transmission of picture signal with S-VHS/S-Video socket transmission of picture signal with VGA socket. </td> </tr> <tr> <td colspan="2">Transmission of sound signal with red and white Cinch sockets. All sockets are wired with a connection line incl. plug connection (socket).</td> </tr> <tr> <td colspan="2">The fitting offers the possibility for transmission of a signal-giving device (PC) to the video projector (picture/sound) and to the amplifier/loudspeakers (sound).</td> </tr> </tbody> </table>	connection unit video projector	930100	The fitting offers 3 alternatives for the transmission of picture signals		<ol style="list-style-type: none"> transmission of picture signal with yellow Cinch socket. transmission of picture signal with S-VHS/S-Video socket transmission of picture signal with VGA socket. 		Transmission of sound signal with red and white Cinch sockets. All sockets are wired with a connection line incl. plug connection (socket).		The fitting offers the possibility for transmission of a signal-giving device (PC) to the video projector (picture/sound) and to the amplifier/loudspeakers (sound).	
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	<table border="1"> <tbody> <tr> <td>obscuration device</td> <td>key push-button up-0-down</td> <td>681029</td> </tr> </tbody> </table>	obscuration device	key push-button up-0-down	681029												
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		<table border="1"> <tbody> <tr> <td>Cable system video projector</td> <td>930102</td> </tr> <tr> <td colspan="2">Connection lines from connection unit to video projector (picture/sound) and to the amplifier/loudspeakers (sound), consisting of:</td> </tr> <tr> <td colspan="2"> <ul style="list-style-type: none"> 20 m Cinch triple, yellow, red, white 20 m S-Video cable with plug connection 20 m VGA cable with plug connection </td> </tr> </tbody> </table>	Cable system video projector	930102	Connection lines from connection unit to video projector (picture/sound) and to the amplifier/loudspeakers (sound), consisting of:		<ul style="list-style-type: none"> 20 m Cinch triple, yellow, red, white 20 m S-Video cable with plug connection 20 m VGA cable with plug connection 									
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<ul style="list-style-type: none"> 20 m Cinch triple, yellow, red, white 20 m S-Video cable with plug connection 20 m VGA cable with plug connection 																

Electrical installation

The experimenting sub-division contains all safety and control elements. Correct wiring with VDE tested components is prerequisite for a safe and durable product.

Documentation of the circuit is individually created for each distributor and is attached to the product in a foil bag.



Application	Description	Article no.
capture of fuse protection and control	distributor body R600	680001
cutoff experimenting distribution	main switch 3 poles 63A	680020
fault current breaker	RCD switch 40A 0,03A 4 poles	680007
circuit – experimenting distribution – power teacher – power student	main switch 40A 4 closing relays	680055
circuit – gas teacher – gas student (2 pcs.) – water teacher – water student	contactor relay 20A 2 closing relays	680065
selective circuit pole guard	cont. relay 20A, 4 clos. rel.	680066
follow-up control video proj.	time relay 8A video projector	680067
control fuse	automatic cutout B 6A 1 pole	680085
fuse protection magn. valves	automatic cutout B 10A 1 pole	680090
fuse protection	automatic cutout B 16A 1 pole	680095
fuse protection CEE socket	automatic cutout B 16A 3 poles	680145

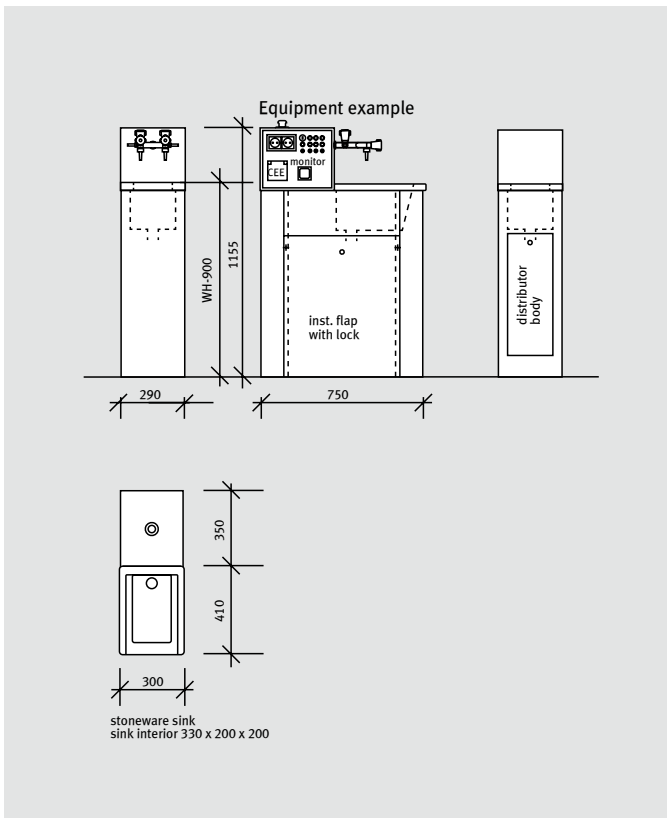
Application	Description	Article no.
fuse protection experimenting switchboard	automatic cutout C 10A 1 pole	680150
fuse protection experimenting switchboard	automatic cutout C 16A 1 pole	680155
fuse protection experimenting switchboard	automatic cutout C 16A 3 poles	680175
fuse protection experimenting switchboard	automatic cutout C 25A 3 poles	680180
circuit light	latching relay 1 pole 16A	680023
fuse protection fault current breaker	TS-RCD switch 16 A 0,03A B1+N	680181
	electric connection to the mains on site experimenting distribution up to 20 lines	600008
	electric connection to the mains on site experimenting distribution up to 40 lines	600009
	electric connection to the mains on site single line	600005

Teacher energy columns



The teacher energy column offers all options of a teacher desk in a condensed form. The work surface forms a mobile add-on table. The teacher energy column is suitable for both, classrooms and preparation rooms.

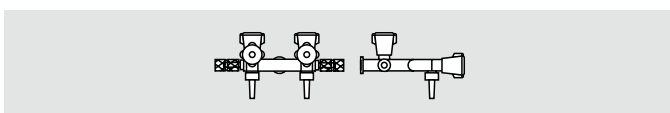
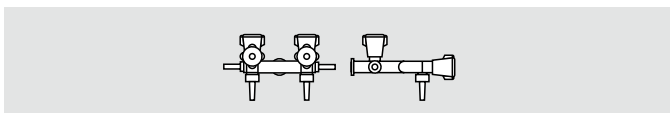
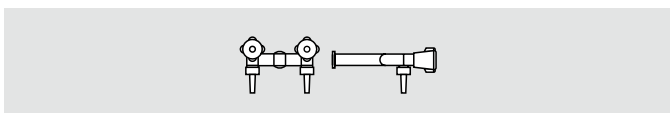
In small preparation rooms in particular this compact workplace is a practical solution.



Energy column ESL

Description	Article no.
sink of fine stoneware incl. distributor body modular grid 300	131001

Mobile add-on tables are used as work surface of the teacher energy column, please see catalogue page 124
 for water installation please see teacher desks page 17
 for gas installation please see teacher desks page 17
 for electrical fittings please see teacher desks page 18
 for electrical installations please see teacher desks page 20



Gas-/water fittings

Description	Article no.
wall fitting 2 x water	710112

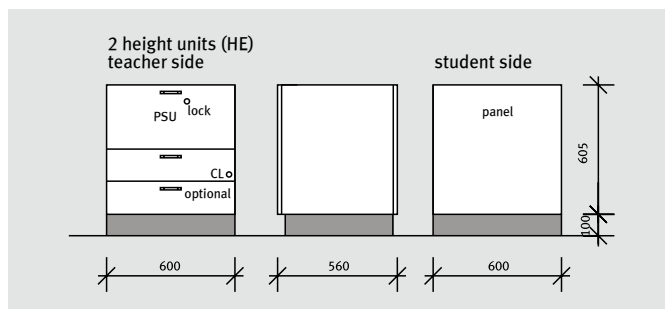
Description	Article no.
wall fitting 2 x water, 2 x gas tap with hose outlet	719970

Description	Article no.
wall fitting 2 x water, 2 x gas tap with coupling	719971

Power supply units (PSU)



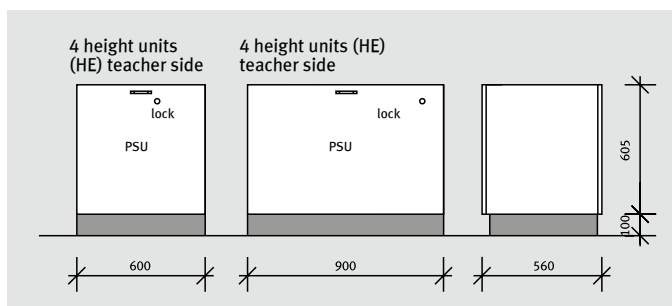
The extensive range of power supply units does not leave any wishes open. Ideal types are offered for teacher and student experiments alike. From the power supply units on the teacher experimenting station small voltages can comfortably be transferred to the student experimenting stations. For this purpose selective voltage jacks shall be provided for the teacher and student desks.



Power supply units (PSU) for teacher desks (drawer, 2HE, modular 600)

AC	DC	Constant voltages	Residual ripple	PSU type	Article number
0...25 V; 10 A	0...20 V; 10 A	-	48 %	2020	672020
		AC 0-6-12 V; 10 A		2021	672021
		AC 0-2-4-6-8-10-12 V; 10 A		2024	672024
	0...25 V; 10 A	-	< 5 %	2120	672120
		AC 0-6-12 V; 10 A		2121	672121
		AC 0-2-4-6-8-10-12 V; 10 A		2124	672124
0...25 V; 20 A	0...20 V; 20 A	-	48 %	2030	672030
		AC 0-6-12 V; 10 A		2031	672031
		AC 0-2-4-6-8-10-12 V; 10 A		2034	672034
	0...25 V; 20 A	-	< 5 %	2130	672130
		AC 0-6-12 V; 10 A		2131	672131
		AC 0-2-4-6-8-10-12 V; 10 A		2134	672134
0...25 V; 25 A	0...20 V; 25 A	-	48 %	2040	672040
		AC 0-6-12 V; 10 A		2041	672041
		AC 0-2-4-6-8-10-12 V; 10 A		2044	672044
	0...25 V; 25 A	-	< 5 %	2140	672140
		AC 0-6-12 V; 10 A		2141	672141
		AC 0-2-4-6-8-10-12 V; 10 A		2144	672144
0...30 V; 20 A	0...25 V; 20 A	-	48 %	2050	672050
		AC 0-6-12 V; 10 A		2051	672051
		AC 0-2-4-6-8-10-12 V; 10 A		2054	672054
	0...30 V; 20 A	-	< 5 %	2150	672150
		AC 0-6-12 V; 10 A		2151	672151
		AC 0-2-4-6-8-10-12 V; 10 A		2154	672154
0...30 V; 20 A switchable to 0...60 V; 10 A	0...25 V; 20 A switchable to 0...50 V; 10 A	-	48 %	2060	672060
		AC 0-6-12 V; 10 A		2061	672061
		AC 0-2-4-6-8-10-12 V; 10 A		2064	672064
	0...30 V; 20 A switchable to 0...60 V; 10 A	-	< 5 %	2160	672160
		AC 0-6-12 V; 10 A		2161	672161
		AC 0-2-4-6-8-10-12 V; 10 A		2164	672164
0...30 V; 40 A switchable to 0...60 V; 20 A	0...25 V; 40 A switchable to 0...50 V; 20 A	-	48 %	2070	672070
		AC 0-6-12 V; 10 A		2071	672071
		AC 0-2-4-6-8-10-12 V; 10 A		2074	672074
	0...30 V; 40 A switchable to 0...60 V; 20 A	-	< 5 %	2170	672170
		AC 0-6-12 V; 10 A		2171	672171
		AC 0-2-4-6-8-10-12 V; 10 A		2174	672174

AC	DC	Constant voltages	Residual ripple	PSU type	Article number	
0...60 V; 10 A switchable to 0...120 V; 5 A	0...50 V; 10 A switchable to 0...100 V; 5 A	-	48 %	2090	672090	
		AC 0-6-12 V; 10 A		2091	672091	
		AC 0-2-4-6-8-10-12 V; 10 A		2094	672094	
	0...60 V; 10 A switchable to 0...120 V; 5 A	0...60 V; 10 A switchable to 0...120 V; 5 A	-	< 5 %	2190	672190
			AC 0-6-12 V; 10 A		2191	672191
			AC 0-2-4-6-8-10-12 V; 10 A		2194	672194



According to their performance data the bigger devices require underbench elements in a modular grid of 600 or 900 mm along the complete height. All devices can easily be set to experimenting position by a ball-bearing telescope extension.

Power supply units (PSU) for teacher desks (drawer, 4HE, modular grid 600)

AC	DC	Constant voltages	Residual ripple	PSU type	Article number
0...60 V; 20 A switchable to 0...120 V; 10 A switchable to 0...240 V; 5 A	0...50 V; 20 A switchable to 0...100 V; 10 A switchable to 0...200 V; 5 A	-	48 %	4080	674080
		AC 0-6-12 V; 10 A		4081	674081
		AC 0-2-4-6-8-10-12 V; 10 A		4084	674084

Power supply units (PSU) for teacher desks (drawer, 4HE, modular grid 900)

AC	DC	Constant voltages	Residual ripple	PSU type	Article no.
0...45 V; 20 A switchable to 0...240 V; 10 A	0...30 V; 20 A switchable to 0...60 V; 10 A switchable to 0...120 V; 5 A	AC 0-2-4-6-8-10-12 V; 10 A & AC 3x40/23 V; 6 A	48 %	5028	675028
0...45 V; 40 A switchable to 0...240 V; 10 A	0...30 V; 40 A switchable to 0...60 V; 20 A switchable to 0...120 V; 10 A		48 %	5038	675038
0...45 V; 40 A switchable to 0...240 V; 10 A	0...30 V; 45 A switchable to 0...90 V; 15 A		4,20 %	5348	675348

Power supply units (PSU) for teacher desk-duct installation and teacher energy columns

Units with the following performance characteristics may be installed space-savily into teacher energy columns or media ducts.

AC	DC	Constant voltages	Residual ripple	PSU type	Article number
0...25 V; 5 A	0...20 V; 5 A	-	48 %	1010	671010
0...25 V; 10 A	0...20 V; 10 A	-		1020	671020*
0...25 V; 5 A	0...25 V; 5 A	-	< 5 %	1110	671110
0...25 V; 10 A	0...25 V; 10 A	-		1120	671120*
-	-	AC 0-6-12 V; 10 A	-	1901	671901
-	-	AC 0-2-4-6-8-10-12 V; 10 A		1904	671904
-	-	AC 3x40/23 V; 6 A		1905	671905
-	-	AC/DC 0-6-12 V; 10 A		1801	671801

* installation only possible into teacher energy column.

Teacher experimenting stations

The mobile power supply units can be flexibly used in different rooms. A mobile solution is particularly required for multi-task rooms.



Dimensions:
W/H/D, 410 x 900 x 650 mm
for types 7060-7174

Dimensions:
W/H/D, 760 x 900 x 650 mm
for types 7028-7348

Power supply units (PSU) mobile

AC	DC	Constant voltages	Residual ripple	PSU type	Article number
0...30 V; 20 A switchable to 0...60 V; 10 A	0...25 V; 20 A switchable to 0...50 V; 10 A	-	48 %	7060	677060
		AC 0-6-12 V; 10 A		7061	677061
		AC 0-2-4-6-8-10-12 V; 10 A		7064	677064
		-	< 5 %	7160	677160
		AC 0-6-12 V; 10 A		7161	677161
		AC 0-2-4-6-8-10-12 V; 10 A		7164	677164
0...30 V; 40 A switchable to 0...60 V; 20 A	0...25 V; 40 A switchable to 0...50 V; 20 A	-	48 %	7070	677070
		AC 0-6-12 V; 10 A		7071	677071
		AC 0-2-4-6-8-10-12 V; 10 A		7074	677074
		-	< 5 %	7170	677170
		AC 0-6-12 V; 10 A		7171	677171
		AC 0-2-4-6-8-10-12 V; 10 A		7174	677174
0...45 V; 20 A switchable to 0...240 V; 10 A	0...30 V; 20 A switchable to 0...60 V; 10 A switchable to 0...120 V; 5 A	AC 0-2-4-6-8-10-12 V; 10 A & AC 3x40/23 V; 6 A	48 %	7028	677028
0...45 V; 40 A switchable to 0...240 V; 10 A	0...30 V; 40 A switchable to 0...60 V; 20 A switchable to 0...120 V; 10 A		48 %	7038	677038
0...45 V; 40 A switchable to 0...240 V; 10 A	0...30 V; 45 A switchable to 0...90 V; 15 A		4,20 %	7348	677348

If no underbench unit is available, power supply units can also be space-savingly fixed to the wall.



Dimensions:
W/H/D, 480 x 1050 x 280 mm
for types 9060-9194

Dimensions:
W/H/D, 760 x 1050 x 300 mm
for types 9028-9348

Power supply units (PSU) for wall fixation

AC	DC	Constant voltages	Residual ripple	PSU type	Article number
0...30 V; 20 A switchable to 0...60 V; 10 A	0...25 V; 20 A switchable to 0...50 V; 10 A	-	48 %	9060	679060
		AC 0-6-12 V; 10 A		9061	679061
		AC 0-2-4-6-8-10-12 V; 10 A		9064	679064
		-	< 5 %	9160	679160
		AC 0-6-12 V; 10 A		9161	679161
		AC 0-2-4-6-8-10-12 V; 10 A		9164	679164
0...30 V; 40 A switchable to 0...60 V; 20 A	0...25 V; 40 A switchable to 0...50 V; 20 A	-	48 %	9070	679070
		AC 0-6-12 V; 10 A		9071	679071
		AC 0-2-4-6-8-10-12 V; 10 A		9074	679074
		-	< 5 %	9170	679170
		AC 0-6-12 V; 10 A		9171	679171
		AC 0-2-4-6-8-10-12 V; 10 A		9174	679174
0...60 V; 10 A switchable to 0...120 V; 5 A	0...50 V; 10 A switchable to 0...100 V; 5 A	-	48 %	9090	679090
		AC 0-6-12 V; 10 A		9091	679091
		AC 0-2-4-6-8-10-12 V; 10 A		9094	679094
		-	< 5 %	9190	679190
		AC 0-6-12 V; 10 A		9191	679191
		AC 0-2-4-6-8-10-12 V; 10 A		9194	679194

AC	DC	Constant voltage	Residual ripple	PSU type	Article number
0...45 V; 20 A switchable to 0...240 V; 10 A	0...30 V; 20 A switchable to 0...60 V; 10 A switchable to 0...120 V; 5 A	AC 0-2-4-6-8-10-12 V; 10 A & AC 3x40/23 V; 6 A	48 %	9028	679028
0...45 V; 40 A switchable to 0...240 V; 10 A	0...30 V; 40 A switchable to 0...60 V 20 A switchable to 0...120 V; 10 A		48 %	9038	679038
0...45 V; 40 A switchable to 0...240 V; 10 A	0...30 V; 45 A switchable to 0...90 V; 15 A		4,20 %	9348	679348

Power supply units (PSU), portable

The portable units provide flexible solutions for students and teachers alike.

AC	DC	Constant voltages	Residual ripple	PSU type	Article number
0...25 V; 10 A	0...20 V; 10 A	-	48 %	6020	676020
		AC 0-6-12 V; 10 A		6021	676021
		AC 0-2-4-6-8-10-12 V; 10 A		6024	676024
		-	< 5 %	6120	676120
		AC 0-6-12 V; 10 A		6121	676121
		AC 0-2-4-6-8-10-12 V; 10 A		6124	676124
0...25 V; 20 A	0...20 V; 20 A	-	48 %	6030	676030
		AC 0-6-12 V; 10 A		6031	676031
		AC 0-2-4-6-8-10-12 V; 10 A		6034	676034
		-	< 5 %	6130	676130
		AC 0-6-12 V; 10 A		6131	676131
		AC 0-2-4-6-8-10-12 V; 10 A		6134	676134
0...25 V; 25 A	0...20 V; 25 A	-	48 %	6040	676040
		AC 0-6-12 V; 10 A		6041	676041
		AC 0-2-4-6-8-10-12 V; 10 A		6044	676044
		-	< 5 %	6140	676140
		AC 0-6-12 V; 10 A		6141	676141
		AC 0-2-4-6-8-10-12 V; 10 A		6144	676144

Stabilized power supply units (PSU), portable

The units listed in the following are stabilized power packs. They supply either constant voltage (CV) or constant current (CC). Furthermore these units are equipped with an LCD display.

AC	DC	Constant voltages	Residual ripple	PSU type	Article number
-	CV 0...24 V CC 0...6 A	-	< 1 mV	6210	676210
-	CV 0...32 V CC 0...16/24 A	-	< 2 mV	6230	676230
-	-	AC/DC 0-2-4-6-8-10-12-14 V; 5 A	48 %	6004	676004

Accessories for power supply units

Description	Colour	Length	Article number
Safety instruments leads with interior and exterior protection against accidental contact	black	100 cm	682057
	blue	100 cm	682060
	red	100 cm	682061
	green/yellow	100 cm	682062
	black	200 cm	682059
	blue	200 cm	682063
	red	200 cm	682064
	green/yellow	200 cm	682065

Safety equipment

For an automatic voltage limitation for students according to DIN 0100 part 723 a selective pole guard can be used. By means of this device a maximum voltage of 24-V may be taken from the student stations.

Description	Amount of selective poles	Article number
selective pole - excess voltage guard according to DIN 0100 part 723	4 + earth	682039
	8 + earth	682022
	12 + earth	682023

Experimenting accessories



Illustration with adhesive stand.

The adhesive stand can be added as an option.

Bunsen burner

Description	Article no.
Bunsen burner according to DIN 30665	
with 1 m of gas safety hose according to DIN 30664-1	
for natural gas	950206
for propane	950211
Bunsen burner according to DIN 30665	
with 2 m of gas safety hose according to DIN 30664-1	
for natural gas	950210
for propane	950212
gas consumption of natural gas ca. 120 l/h	
gas consumption of propane ca. 42 l/h	



Illustration with adhesive stand.

The adhesive stand can be added as an option

Teclu burner

Description	Article no.
Teclu burner according to DIN 30665	
with 1 m of gas safety hose according to DIN 30664-1	
for natural gas	950214
for propane	950202
Teclu burner according to DIN 30665	
with 2 m of gas safety hose according to DIN 30664-1	
for natural gas	950213
for propane	950215
gas consumption of natural gas ca. 149 l/h	
gas consumption of propane ca. 52 l/h	

Adhesive stand for Bunsen burner

Description	Article no.
adhesive stand for Bunsen burner	950208



Gas safety hose

Description	Article no.
gas safety hose	
with sleeved ends for gas burner	
according to DIN 30665	
length 1 m	950209
length 2 m	950216
The hose sticks on the hose outlets without clamps.	
Free of kinks due to spiral core spring.	

Bench clamp for gas hose

Description	Article no.
bench clamp for gas hose	950201

Working pads

Working pads for experimentation tasks.

To protect the bench surface against high thermal effect and against pollution.

Description	Article no.
Novopress working pad	
size: 500 x 600 x 1 mm	950207
working pad of sheet steel,	
powder coated RAL 7035	
size: 300 x 300 x 1,5 mm	950200

Ejector pump

Description	Article no.
ejector pump	
connection 1/2 inch	911001

Safety equipment



**First aid box
filled**

Description	Article no.
first aid box, filled	
with shelf for wall fixation; with cylinder lock, sheet steel, powder coated, white	
size ca. 320 x 450 x 140 mm	
contents DIN EN 13169-E	940082
contents DIN EN 13157-C	940103



**First aid kit
filled**

Description	Article no.
first aid kit, filled	
with variably adjustable interior partitioning, incl. wall fixation device, plastic, orange	
size ca. 445 x 320 x 150 mm	
contents DIN EN 13169-E	940113
contents DIN EN 13157-C	940114



Eye shower station

Description	Article no.
eye shower station	
for a secure and fast cleaning of eyes in case of emergency.	
rinsing bottle with special eye shell,	
filled with 500 ml of stable sodium chloride solution (0.9 %), sterile packing,	
shelf life up to 3 years	
complete with wall holder and pictograph shell	940089
refill rinsing bottles (3 bottles á 500 ml)	940111



**Fire blanket
container**

Description	Article no.
container and blanket	
sheet steel container, powder coated red (RAL 3000), for wall fixation,	
size ca. 195 x 300 x 240 mm	
fire blanket of textured glass fabric, non-asbestos, according to DIN 14155 (type tested),	
format ca. 2000 x 1600 mm	940087
replacement blanket	940112



**Sand bucket –
Sand shovel**

Description	Article no.
sand bucket	
for fire fighting sand, of galvanized steel, red lacquered	940096
sand shovel	
suitable to sand bucket, of steel with wooden handle	940109

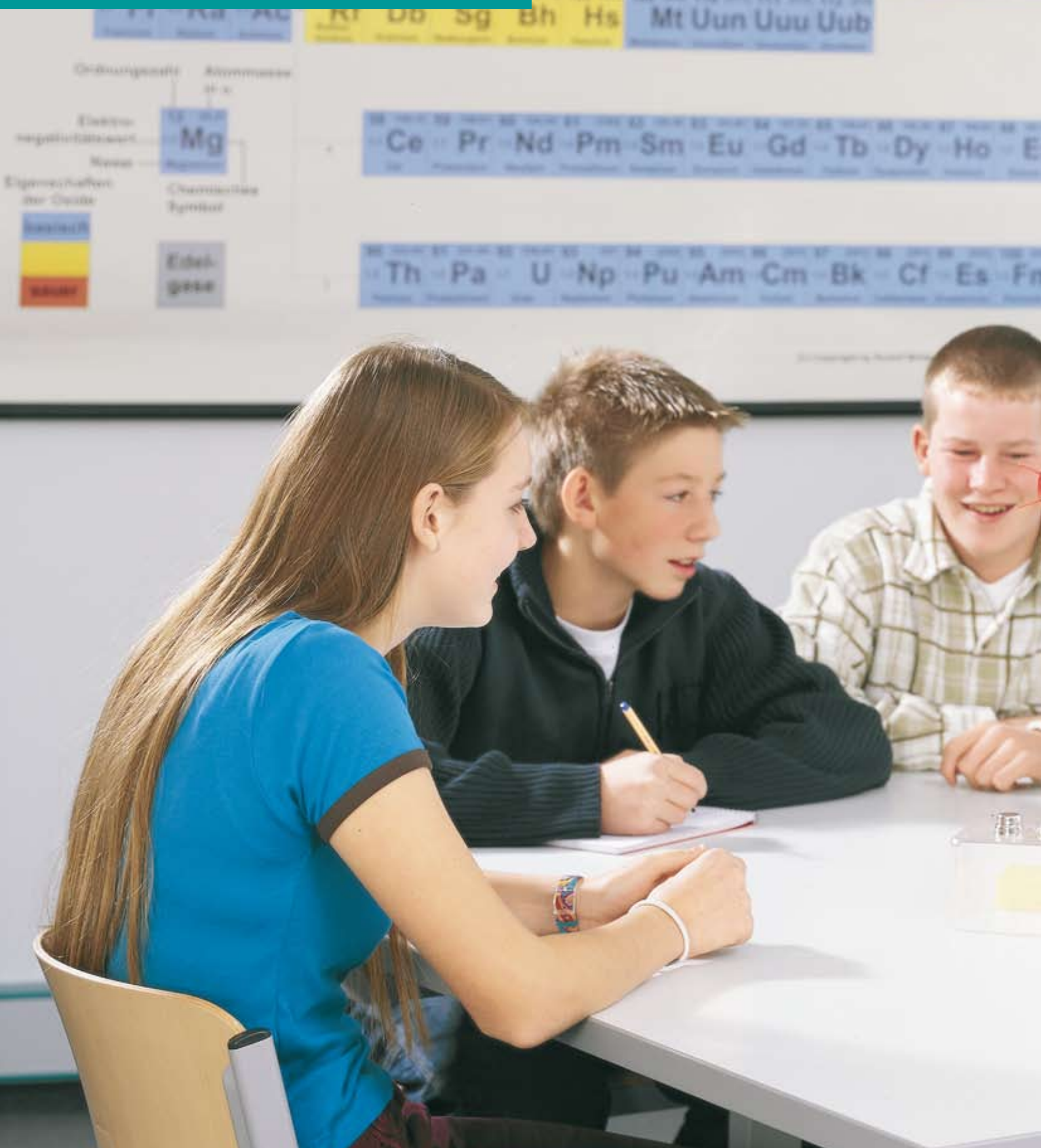
Protective gloves

Description	Article no.
gloves	
of hard-wearing fabric,	
5 fingers, 290 mm long	940088

Powder extinguisher

Description	Article no.
hand fire extinguisher (permanent press device)	
according to DIN EN 3 and ZH 1/201, filled with ABC powder (fire classification according to DIN EN 2)	
powder extinguisher	
contents 6 kg	940085
contents 12 kg	940086

Student experimenting stations



For tomorrow's scientists

A suitable student experimenting station is offered for just about any method of instructions. Ergonomically designed furniture is the basis of successful and safe experiments. Appealing lessons with a well thought-out base guarantees successful training.



Student energy columns

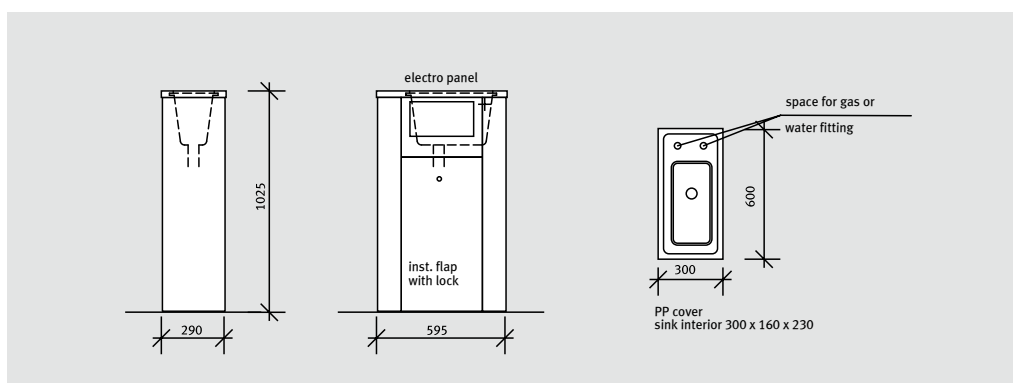
Each of the columns shown is equipped with a multi-media fitting for water and gas.

Electric equipment:
earthed sockets with child protection, voltage selector jacks and network connection RJ45.

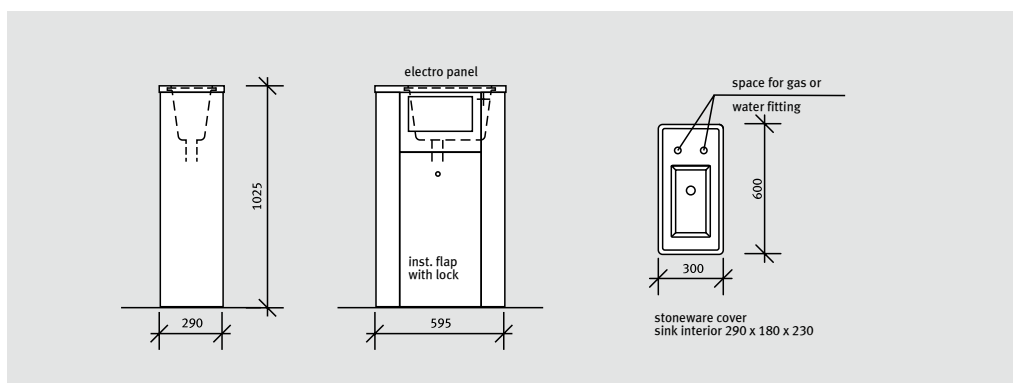


Student energy column type ESS 030 S4 with polypropylene cover.

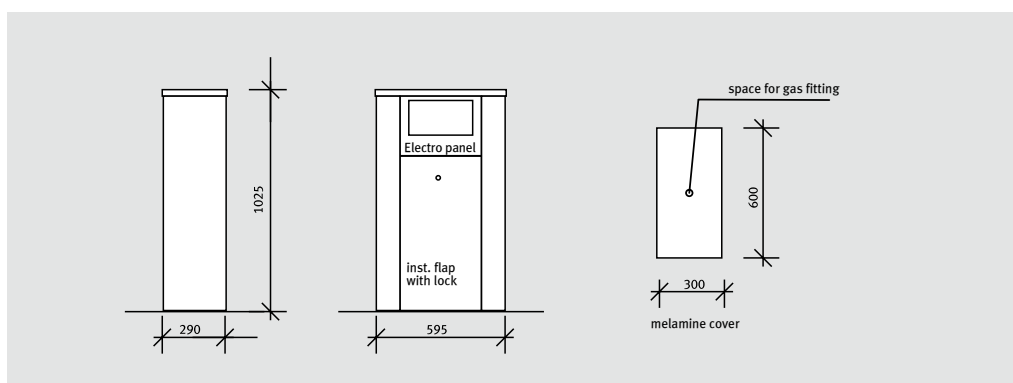
Type ESS 030 S4



Description	Article no.
energy column	
type ESS 030 S4	
polypropylene	
cover	
with sink	131002



Description	Article no.
energy column	
type ESS 030 S4	
stoneware	
cover	
with sink	131003

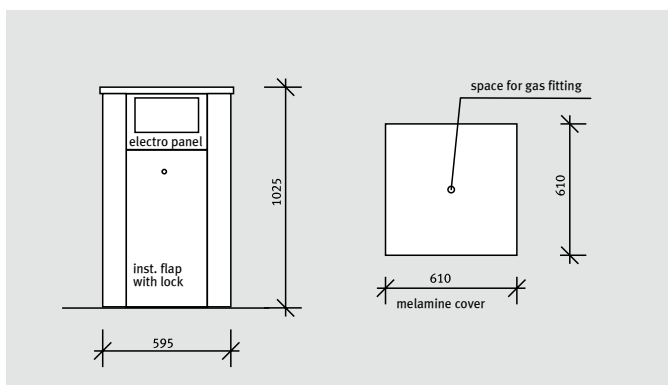
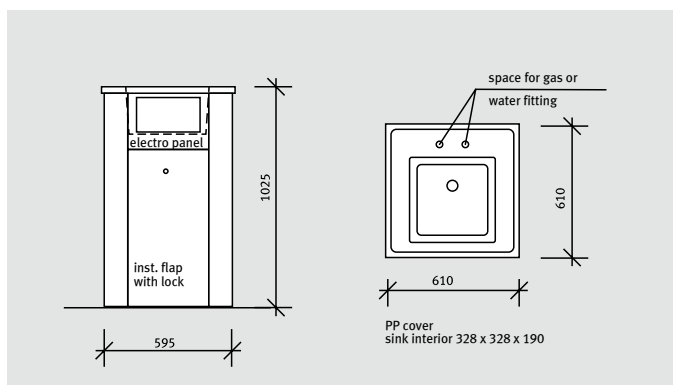


Description	Article no.
energy column	
type ESS 030 S4	
with melamine	
cover	
without sink	131004



student energy column ESS060
with polypropylene cover.

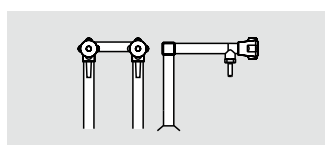
Type ESS 060



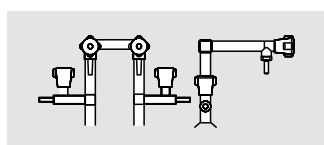
Description	Article no.
energy column type ESS 060	
polypropylene cover	
with sink	131008

Description	Article no.
energy column type ESS 060	
with melamine cover	
without sink	131011

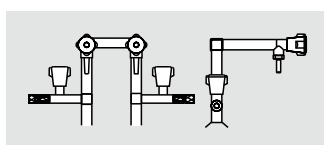
Gas/water fittings for energy columns types ESS 030 S4 and ESS 060



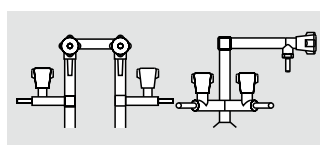
Description	Article no.
double outlet pillar	
2 x water	730173



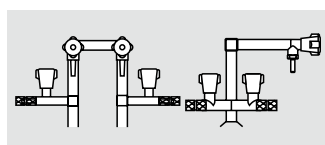
Description	Article no.
double outlet pillar	
2 x water,	
2 x gas tap	
with hose outlet	739998



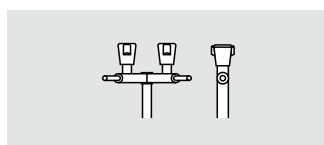
Description	Article no.
double outlet pillar	
2 x water,	
2 x gas tap	
with coupling	739999



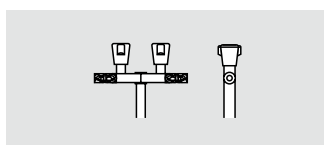
Description	Article no.
double outlet pillar	
2 x water,	
4 x gas tap	
with hose outlet	739992



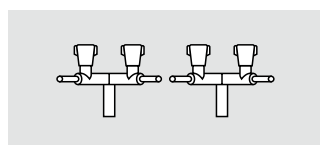
Description	Article no.
double outlet pillar	
2 x water,	
4 x gas tap	
with coupling	739993



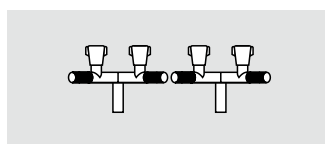
Description	Article no.
outlet pillar	
2 x gas tap	
with hose outlet	731912



Description	Article no.
outlet pillar	
2 x gas tap	
with coupling	731922



Description	Article no.
outlet pillar	
4 x gas tap	
with hose outlet	731918

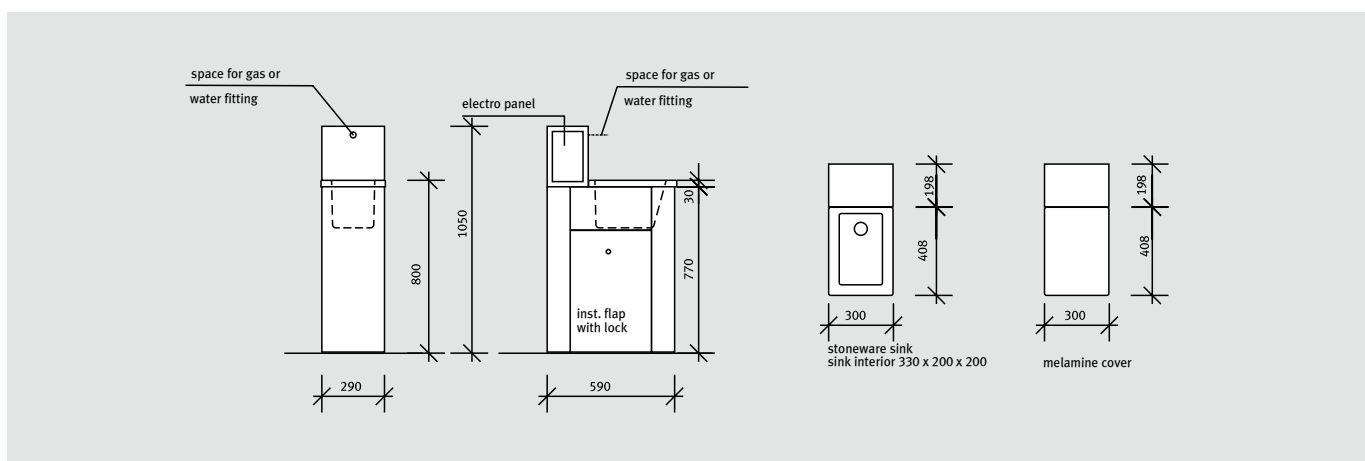


Description	Article no.
outlet pillar	
4 x gas tap	
with coupling	731928



Student energy column type ESS 030 S6 with fine stoneware sink.

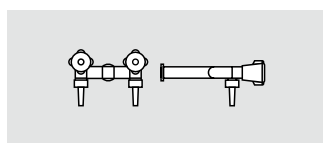
Type ESS 030 S6



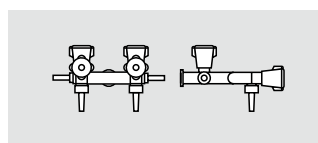
Description	Article no.
energy column type ESS 030 S6 with stoneware sink	131012

Description	Article no.
energy column type ESS 030 S6 without sink with melamine cover	131013

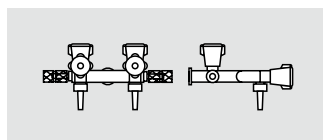
Gas/water fittings for energy columns type ESS 030 S6



Description	Article no.
wall fitting 2 x water	710112



Description	Article no.
wall fitting 2 x water, 2 x gas tap with outlet	719970



Description	Article no.
wall fitting 2 x water, 2 x gas tap with coupling	719971



4 student desks type SAC with a length of 1200 mm that is arranged around an energy column type ESS 060.

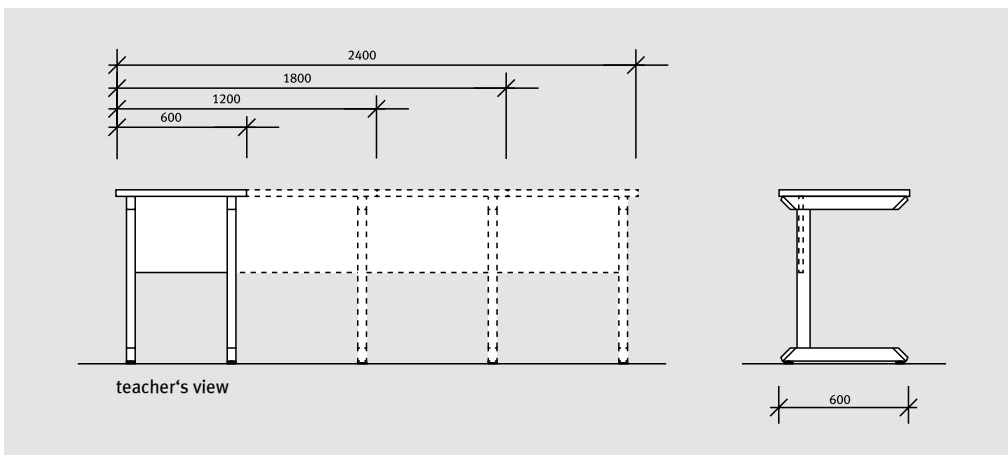
Student desk type SAC

The various bench types were developed on the basis of the educational culture. These benches fulfil all requirements of any method of teaching, classroom sizes and quality demands.



Student desk type SAC with a length of 2400 mm, equipped with book storage baskets.

Student desks without installations, frames



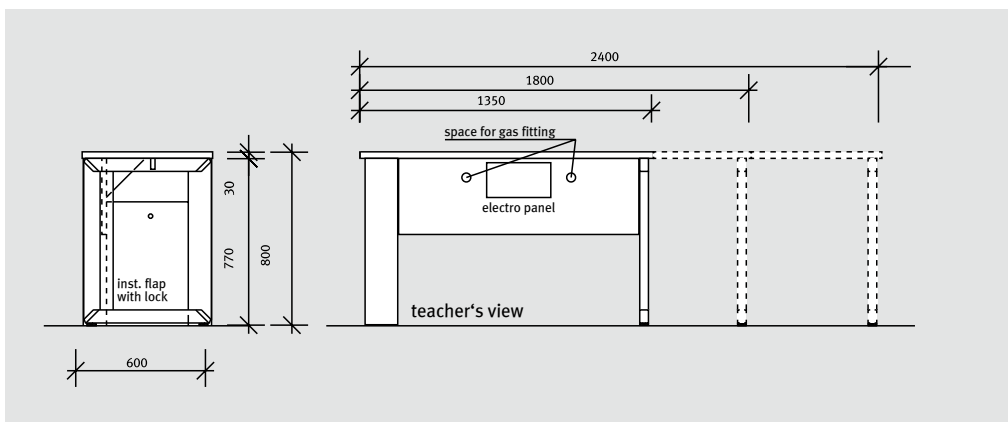
Description	Article no.
type SAC 600	290143
type SAC 1200	290146
type SAC 1800	290148
type SAC 2400	290149



Student desk type SEZ with add-on sink, length 2400 mm

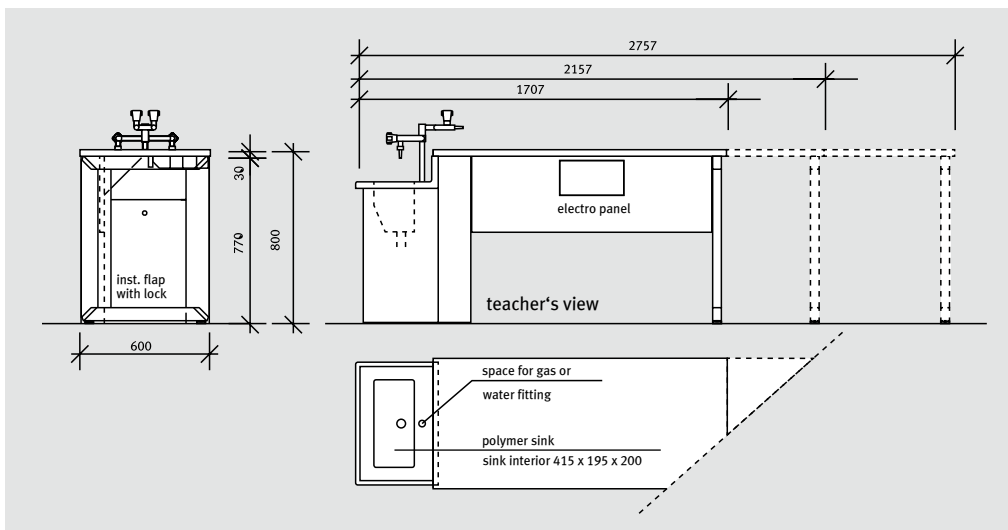
Student desk type SEZ

Student desks with side installations type SEZ, frames



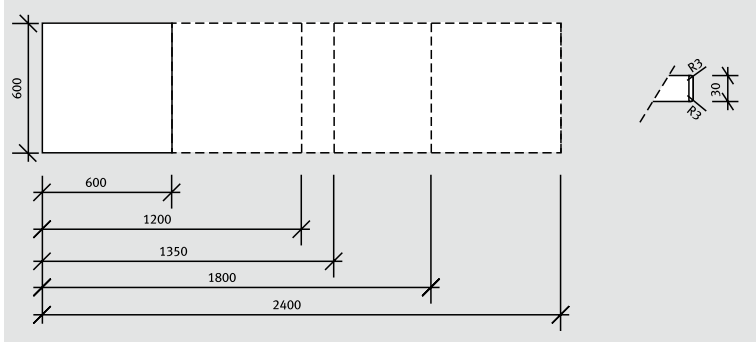
Description	Article no.
type SEZ 135	
connection lining, left	290246
connection lining, right	290346
type SEZ 180	
connection lining, left	290248
connection lining, right	290348
type SEZ 240	
connection lining, left	290249
connection lining, right	290349

Student desks with side installation and add-on sink type SEZ-BE, frames

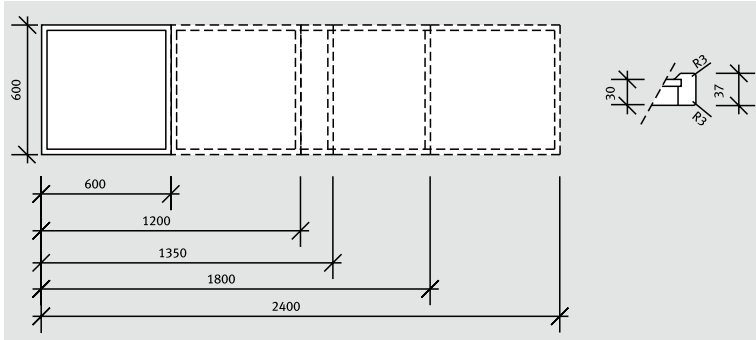


Description	Article no.
type SEZ 135	
add-on sink, left	290446
add-on sink, right	290546
type SEZ 180	
add-on sink, left	290448
add-on sink, right	290548
type SEZ 240	
add-on sink, left	290449
add-on sink, right	290549

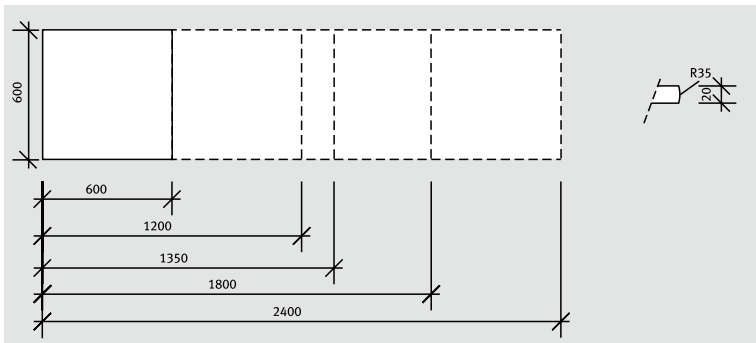
Worktops for types SAC, SEZ, SEZ-BE, SEN



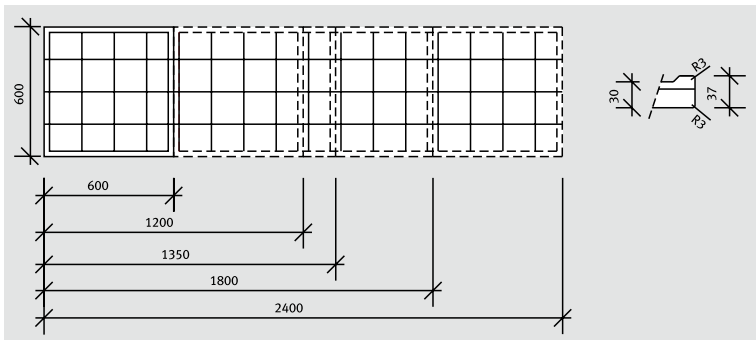
Description	Article no.
worktop, melamine 600 x 600	310133
worktop, melamine 1200 x 600	310136
worktop, melamine 1350 x 600	310130
worktop, melamine 1800 x 600	310138
worktop, melamine 2400 x 600	310139



Description	Article no.
worktop, fine stoneware laminate 600 x 600	352433
worktop, fine stoneware laminate 1200 x 600	352436
worktop, fine stoneware laminate 1350 x 600	352430
worktop, fine stoneware laminate 1800 x 600	352438
worktop, fine stoneware laminate 2400 x 600	352439

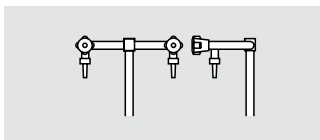


Description	Article no.
worktop, solid grade laminate 600 x 600	370133
worktop, solid grade laminate 600 x 1200	370136
worktop, solid grade laminate 600 x 1350	370130
worktop, solid grade laminate 600 x 1800	370138
worktop, solid grade laminate 600 x 2400	370139

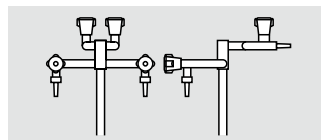


Description	Article no.
worktop, red tiles 600 x 600	320133
worktop, red tiles 600 x 1200	320136
worktop, red tiles 600 x 1350	320130
worktop, red tiles 600 x 1800	320138
worktop, red tiles 600 x 2400	320139

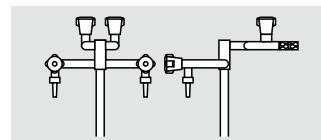
Gas/water fittings for student desks types SEZ-BE



Description	Article no.
outlet pillar 2 x water	710112

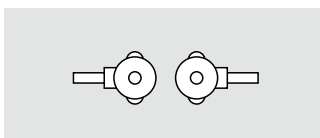


Description	Article no.
out. pillar 2 x water, 2 x gas tap w. outlet	739974

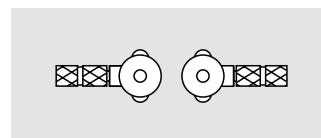


Description	Article no.
out. pillar 2 x water, 2 x gas tap w. coupl.	739975

Gas/water fittings for student desks types SEZ



Description	Article no.
2 x angular gas tap outlet on rear wall	761978



Description	Article no.
2 x angular gas tap coupling on rear wall	761979



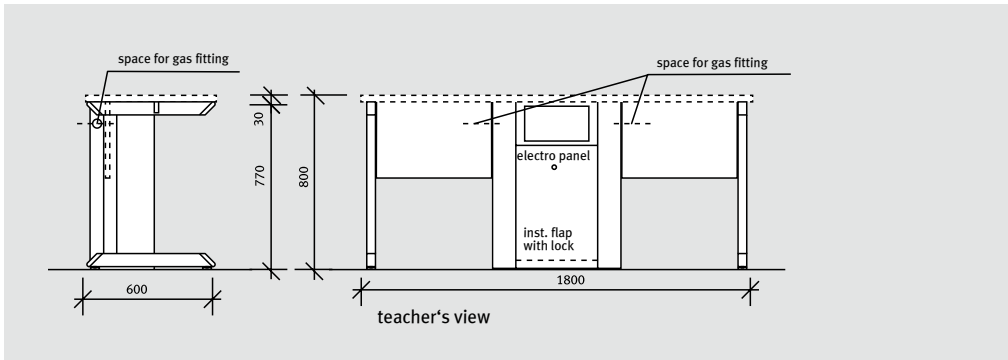
Student desk type SEN with sink, length 2400 mm.

Student desk type SEN

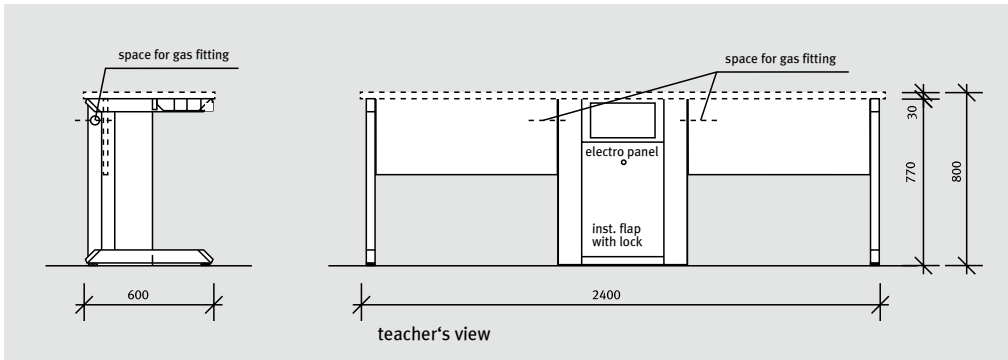
A retractable double water fitting is built-into the sink. If the fittings are lowered, the sink is closed with a plexi glass plate so that the complete work surface is available.



Student desks with central installation type SEN, frames



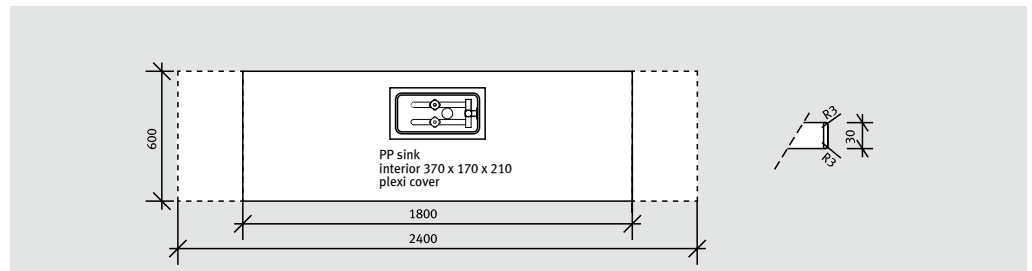
Description	Article no.
type SEN	
for gas 1800	290748
type SEN 1800	290648



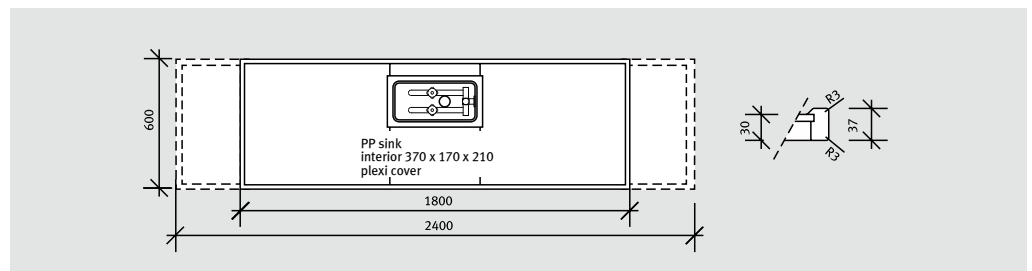
Description	Article no.
type SEN	
for gas 2400	290749
type SEN 2400	290649

Worktops SEN with sink

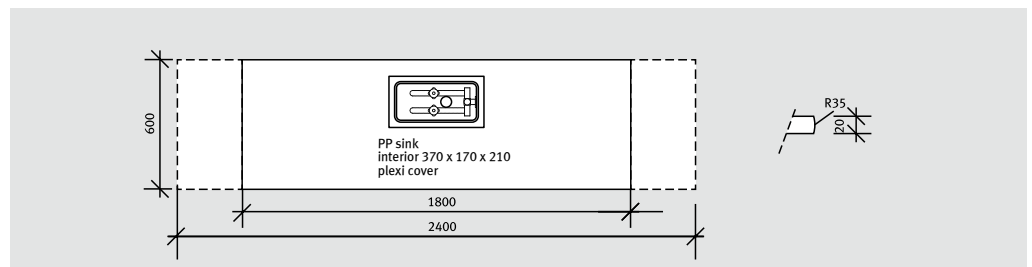
Description	Article no.
worktop, melamine with PP sink	
1800 x 600	310238
worktop, melamine with PP sink	
2400 x 600	310239



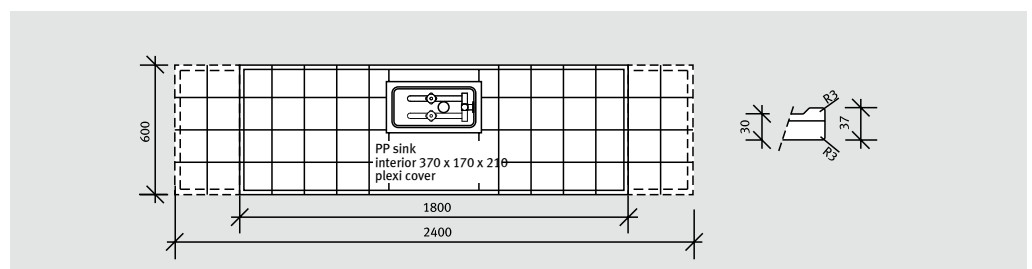
worktop, fine stoneware laminate with PP sink	
1800 x 600	350238
worktop, fine stoneware laminate with PP sink	
2400 x 600	350239



worktop, solid grade laminate with PP sink	
1800 x 600	370238
worktop, sol. gr. lam with PP sink	
2400 x 600	370239



worktop, red tiles with PP sink	
1800 x 600	320238
worktop, red tiles with PP sink	
2400 x 600	320239

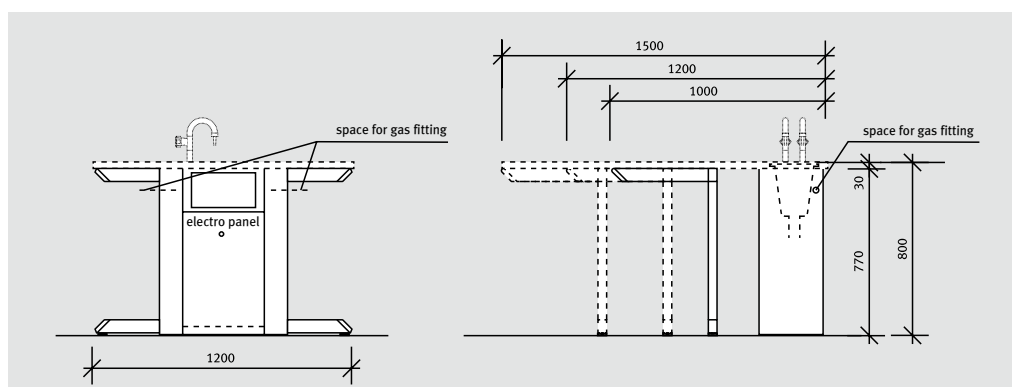


Student desk type SEG

Desk for group of students type SEG with sink. Available in sizes up to 1200 mm x 1500 mm. Retractable water fitting and plexi glass plate to close the sink.

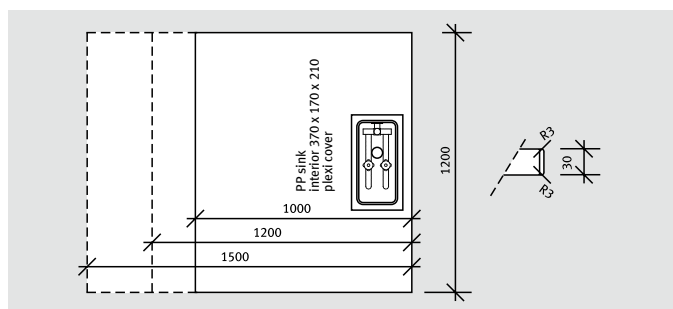


Desks for groups of students type SEG, frames

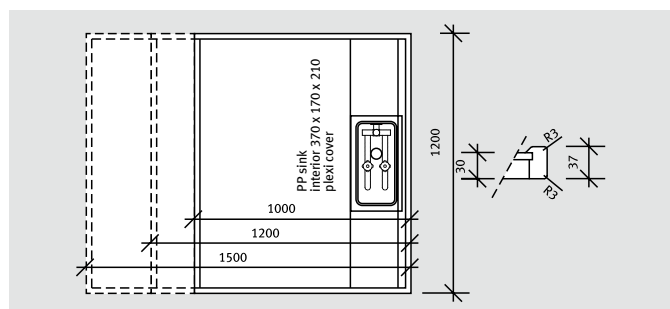


Description	Article no.
type SEG	
for gas 1200 x 1000	290940
type SEG 1200 x 1000	290840
type SEG	
for gas 1200 x 1200	290946
type SEG 1200 x 1200	290846
type SEG	
for gas 1200 x 1500	290947
type SEG 1200 x 1500	290847

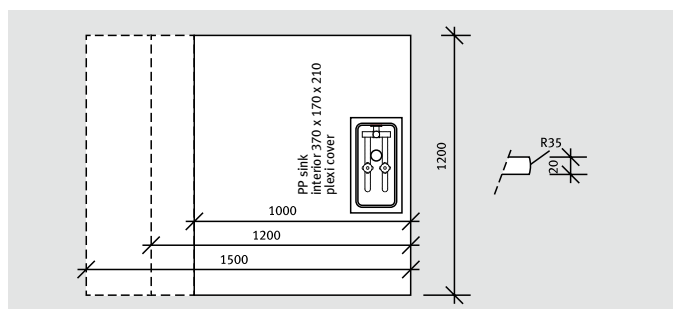
Worktops SEG with sink



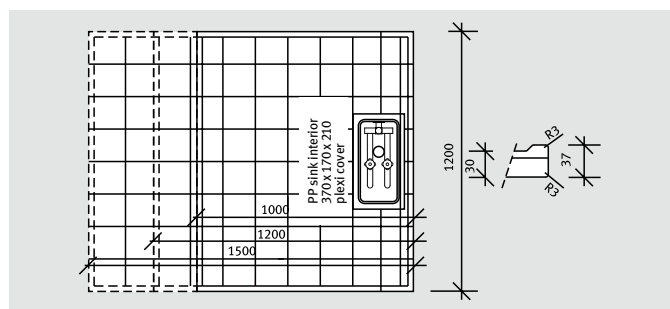
Description	Article no.
worktop, melamine with PP sink 1200 x 1000	310260
worktop, melamine with PP sink 1200 x 1200	310266
worktop, melamine with PP sink 1200 x 1500	310267



Description	Article no.
worktop, fine stoneware laminate with PP sink 1200 x 1000	350260
worktop, fine stoneware laminate with PP sink 1200 x 1200	350266
worktop, fine stoneware laminate with PP sink 1200 x 1500	350267

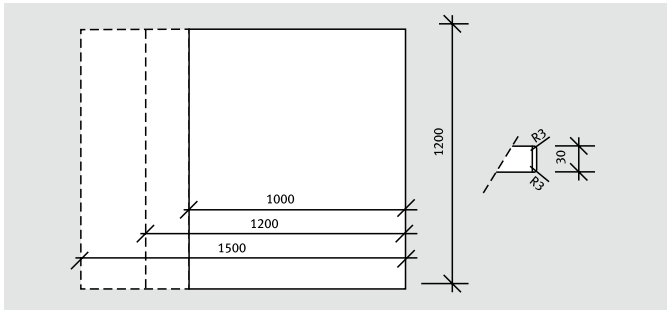


Description	Article no.
worktop, solid grade laminate with PP sink 1200 x 1000	370260
worktop, solid grade laminate with PP sink 1200 x 1200	370266
worktop, solid grade laminate with PP sink 1200 x 1500	370267

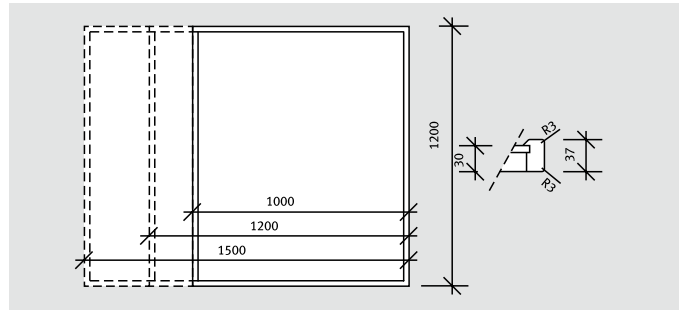


Description	Article no.
worktop, red tiles with PP sink 1200 x 1000	320260
worktop, red tiles with PP sink 1200 x 1200	320266
worktop, red tiles with PP sink 1200 x 1500	320267

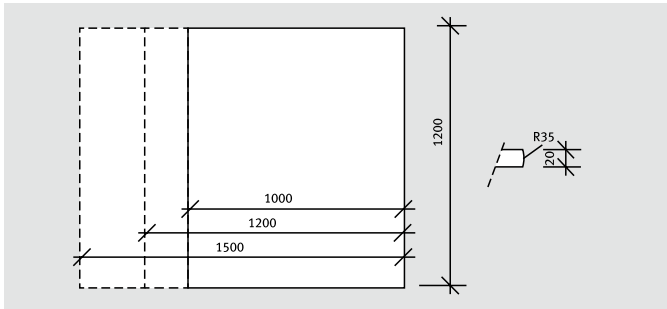
Worktops SEG without sink



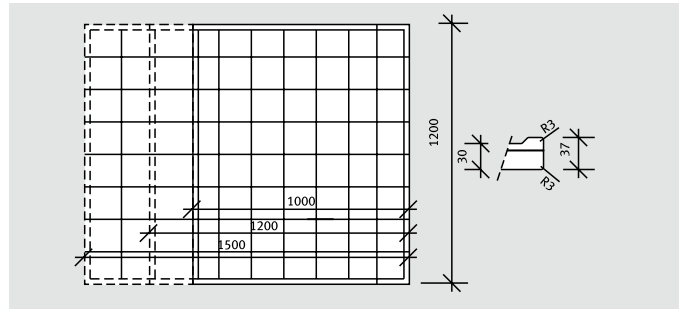
Description	Article no.
worktop, melamine 1200 x 1000	310160
worktop, melamine 1200 x 1200	310166
worktop, melamine 1200 x 1500	310167



Description	Article no.
worktop, fine stoneware laminate 1200 x 1000	350160
worktop, fine stoneware laminate 1200 x 1200	350166
worktop, fine stoneware laminate 1200 x 1500	350167

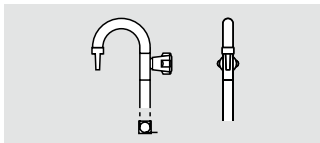


worktop, solid grade laminate 1200 x 1000	370160
worktop, solid grade laminate 1200 x 1200	370166
worktop, solid grade laminate 1200 x 1500	370167

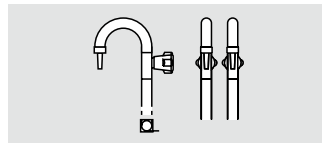


worktop, red tiles 1200 x 1000	320160
worktop, red tiles 1200 x 1200	320166
worktop, red tiles 1200 x 1500	320167

Water fittings SEN, SEG

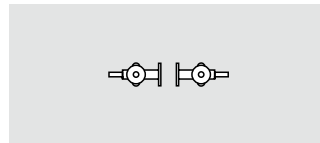


Description	Article no.
retractable fitting 1 x water	730130

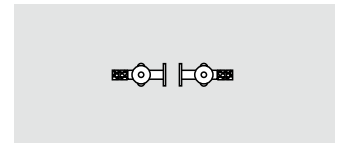


Description	Article no.
retractable fitting 2 x Wasser	730131

Gas fittings SEN, SEG

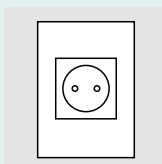


Description	Article no.
2 x gas tap 45° with outlet	761976

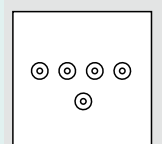


Description	Article no.
2 x gas tap 45° coupling 45°	761977

Electrical fittings for student experimenting stations



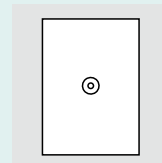
Application	Description	Article no.
power supply student	earthed socket 230 V/16 A	681001
	child protection	



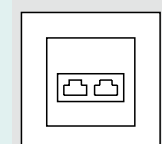
power supply EDP units	earthed EDP socket red 230 V/16 A child protection	681062
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consumption of small voltage fed by teacher	set of electrical fittings 4 voltage selection jacks 1 PE jack	681008
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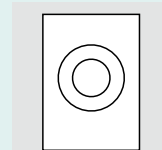
	1 PE jack	681048
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Application	Description	Article no.
consumption of small voltage fed by teacher	1 voltage selection jack	681007

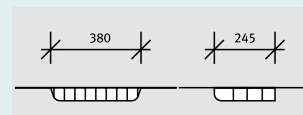


network connection	data socket RJ 45 CAT 6 unwired	651903
	single socket	
	double socket	651904



emerg. cutout experimenting distributor	emergency stop	681034
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Accessories



Description	Article no.
book storage basket	940075

Student/teacher chairs



Undercarriage chair

Description	Article no.
undercarriage chair	
backrest and seat of	
Multiplex beechwood, nature	
height of seat 500 mm	
frame of powder coated steel, grey	
with felt gliders	991118



Undercarriage chair

Description	Article no.
undercarriage chair	
backrest and seat of plastic (air cushion)	
height of seat 500 mm	
frame of powder coated steel, grey	
with felt gliders	991119



Swivel chair

Description	Article no.
swivel chair	
adjustable in height by gas lift from 380–500 mm	
backrest and seat of	
Multiplex beechwood, nature	
powder coated 5-radiant frame, grey	
with felt gliders	991116
with castors	991123



Swivel chair

Description	Article no.
swivel chair	
adjustable in height by gas lift from 380–500 mm	
backrest and seat of plastic (air cushion)	
powder coated 5-radiant frame, grey	
with felt gliders	991107
with castors	991108



Stool

Description	Article no.
stool	
adjustable in height by gas lift from 420–580 mm	
wooden seat	
powder coated 5-radiant frame	
grey with felt gliders	991101

Further execution and colours for student chairs are available on demand.

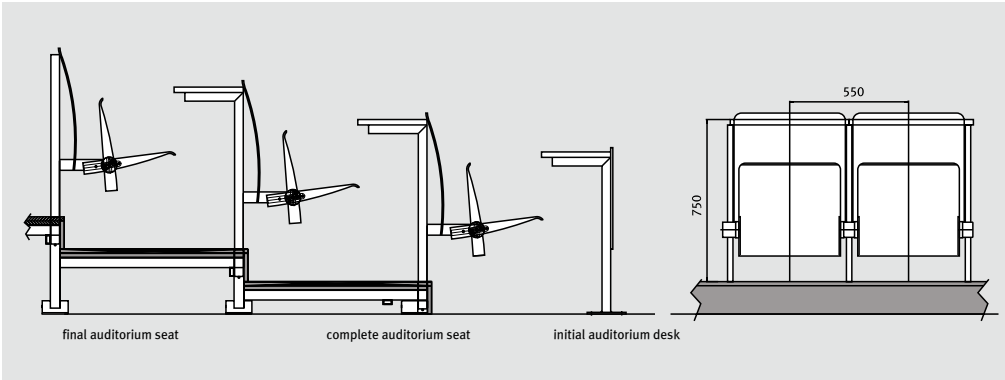


Upholstered chair teacher

Description	Article no.
upholstered chair	
adjustable in height with gas lift	
plastic leg-cross with castors for hard floor	
with adjustable weight regulation	
stopping of backrest	
adjustable backrest	
without armrests	991030
with armrests	991034



Auditorium seats



initial auditorium desk

Description	Article no.
initial auditorium desk	
frame of steel, rectangular pipe	
writing board with melamine resin surface	
plastic coated edges	
depth of worktop ca. 320 mm	
width ca. 550 mm	991500

Complete auditorium seats

Description	Article no.
complete auditorium seats	
frame of steel, rectangular pipe	
worktop with melamine resin surface	
plastic coated edges	
wooden backrest and seat, Multiplex beechwood	
closed seat pivot bearing	
with plain bearings of plastic	
reciprocation by counter-weight	
depth of worktop ca. 320 mm	
width ca. 550 mm	991501

final auditorium seat

Description	Article no.
auditorium end seat	
frame of steel, rectangular pipe	
wooden backrest and seat, Multiplex beechwood	
closed seat pivot bearing	
with plain bearings of plastic	
reciprocation by counter-weight	
width ca. 550 mm	991502

Wooden stepped landing

Description	Article no.
wooden stepped landing	
construction of planed and impregnated squared timbers 90 x 70 mm, dowelled and glued.	
Triple-layer surface construction of 19 mm chipboard, 10 mm insulation and 19 mm chipboard	
lateral facings and fronts of stairs of 19 mm chipboard	
floor covering by customer	
1 m ²	991504

Stepped platform of steel

Description	Article no.
stepped platform of steel	
construction of steel pipe and angular steel	
absolutely stable and vibration-free	
the construction is welded and anchored in the floor; steel parts protected against corrosion	
construction of floor with 25 mm flat pressed chipboard	
V100E1, impact sound insulation between base plate and steel frame	
lateral facings and fronts of stairs of 19 mm chipboard	
floor covering by customer	
1 m ²	991505

Railing

Description	Article no.
railing	
railing of steel pipe for stepped platform	
installation on one side of platform	
height 900 mm, crosshead at a height of 500 mm	
1 m	991506

Student/teacher experimenting stations



The media systems that are supplied from the room ceiling to the work surfaces offer a completely new flexibility: They enable any method of teaching.

In order to support all potentials, the classroom can easily be adapted to suit the demands of the most versatile classroom units.



**The team for
exciting lessons**



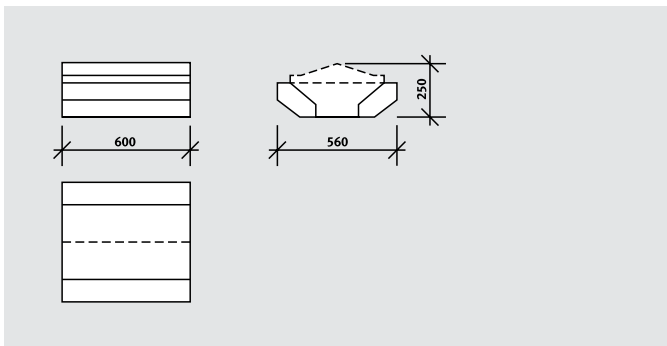
Ceiling installation „Media board“

The media board is a profile of sheet steel that has a width of approx. 560 mm and a height of approx. 250 mm. It is suspended on steel rods and is anchored with the ceiling of the room. Steel ropes are used for a secure bracing. From a central feeding point all supply lines are routed to the experimenting stations in the room through the media board.

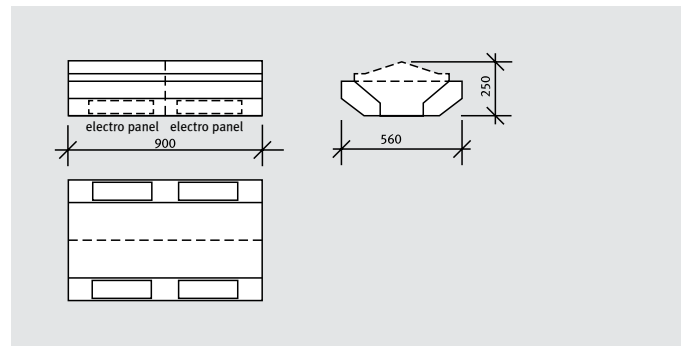




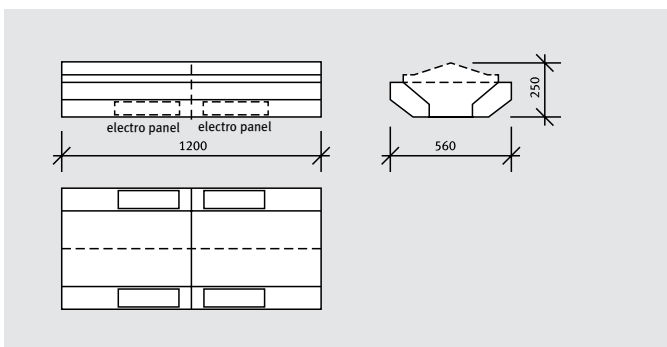
Apart from the experimenting media water, gas and current also workplace and room lights, and loudspeakers can be installed. Further measuring devices for room management systems such as e.g. light sensors, can be integrated.



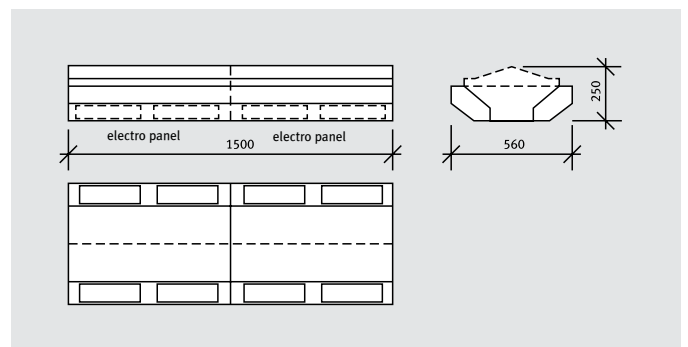
Description	Article no.
media board module modular grid 600	153213



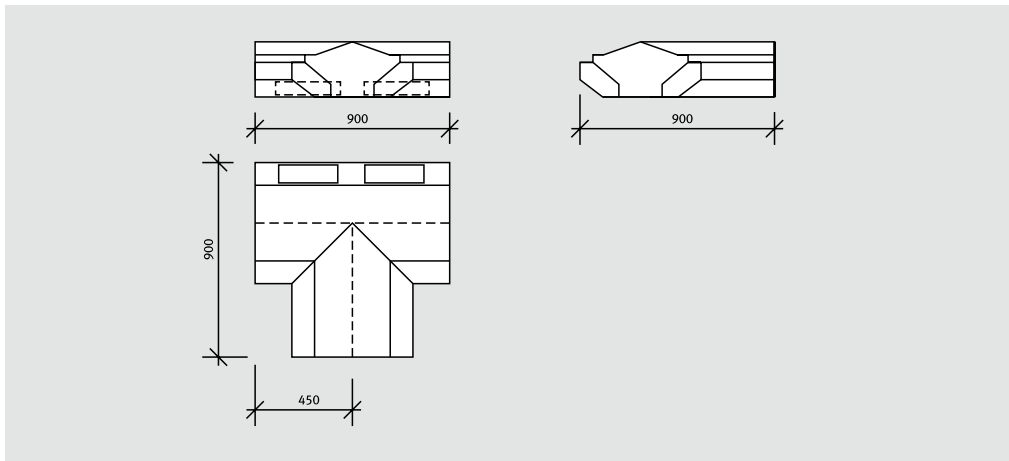
Description	Article no.
media board module modular grid 900	153214



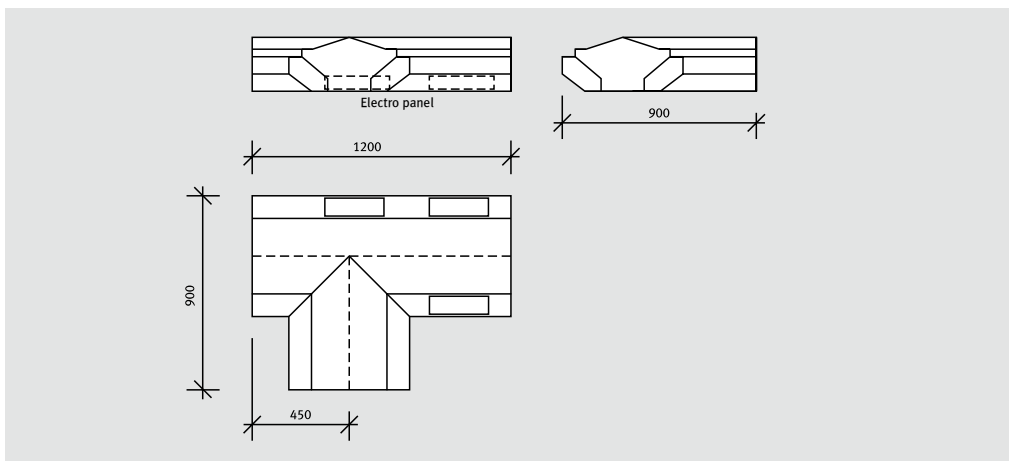
Description	Article no.
media board module modular grid 1200	153215



Description	Article no.
media board module modular grid 1500	153216

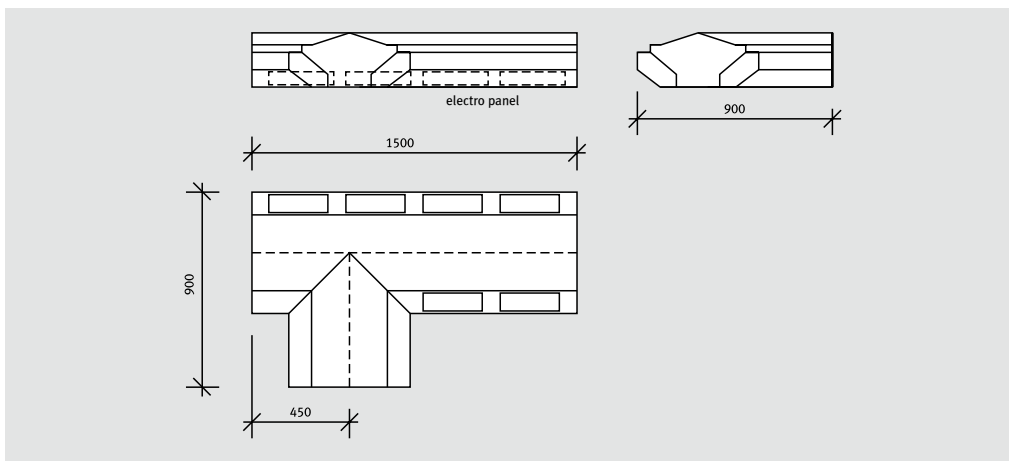


Description	Article no.
media board module	
T piece	
modular grid 900	153217



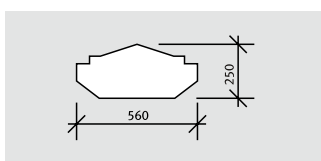
**T piece as shown,
or mirror inverted**

Description	Article no.
media board module	
T piece	
modular grid 1200	153218

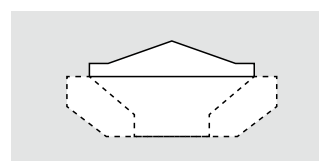


**T piece as shown,
or mirror inverted**

Description	Article no.
media board module	
T piece	
modular grid 1500	153219



Description	Article no.
media board module	
end cap	153220

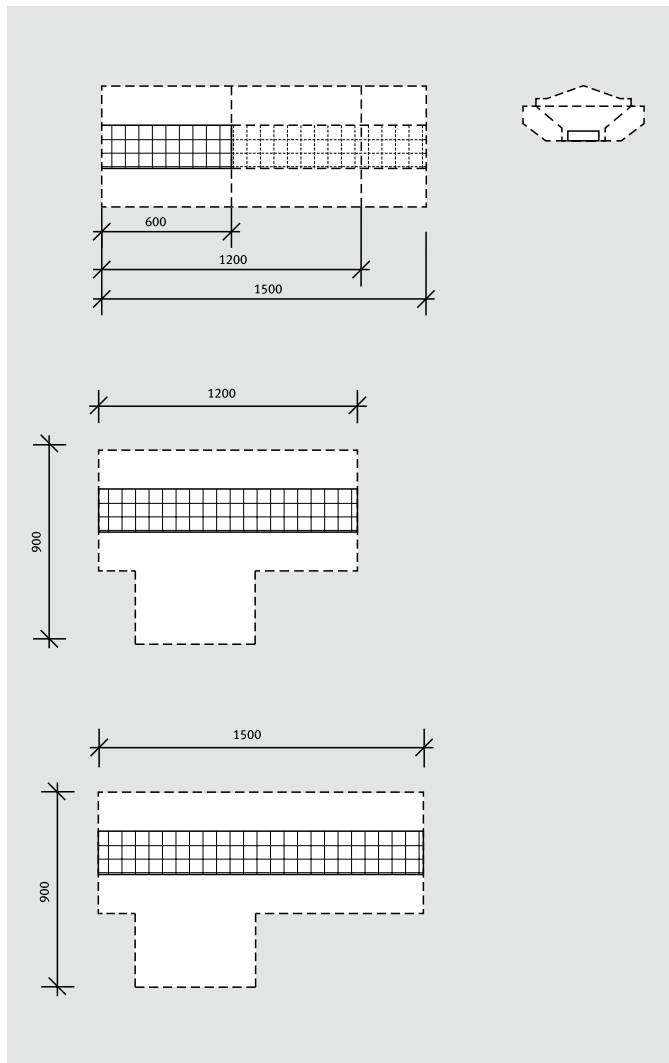


Description	Article no.
dust cover for	
media board module	
modular grid 600	153233
modular grid 900	153234
modular grid 1200	153235
modular grid 1500	153236
T piece m. grid 900	153237
T piece m. grid 1200	153238
T piece m. grid 1500	153239

The modules are suspended with steel rods that are anchored with the raw ceiling.

Description	Article no.
suspension	
media board (rm)	153230

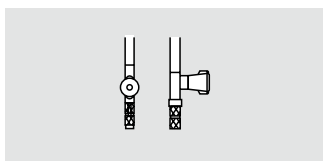
Illumination for media board module



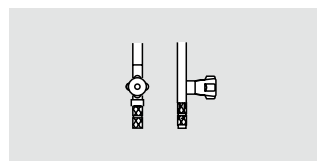
With the antiglare reflector grid work-places and rooms can be illuminated. The concept as a workplace or room illumination shall be determined on the basis of the room parameters.

Description	Article no.
lamp mod. grid 600	153223
lamp mod. grid 1200	153225
lamp mod. grid 1500	153226

Sanitary fittings for media board modules

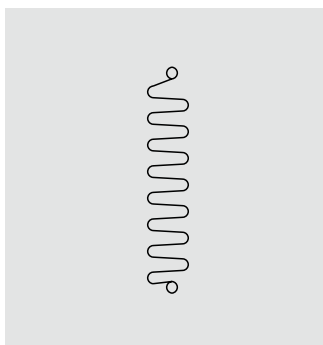


Description	Article no.
gas tap with coupling	722855



Description	Article no.
gate valve for water with coupling	722821

Accessories for media board and media terminal



The energy spiral bundles the media lines and safely routes them to the workbench surface. This energy spiral is fixed to the media board through one latch each.

Description	Article no.
energy spiral	153240



Classic Version

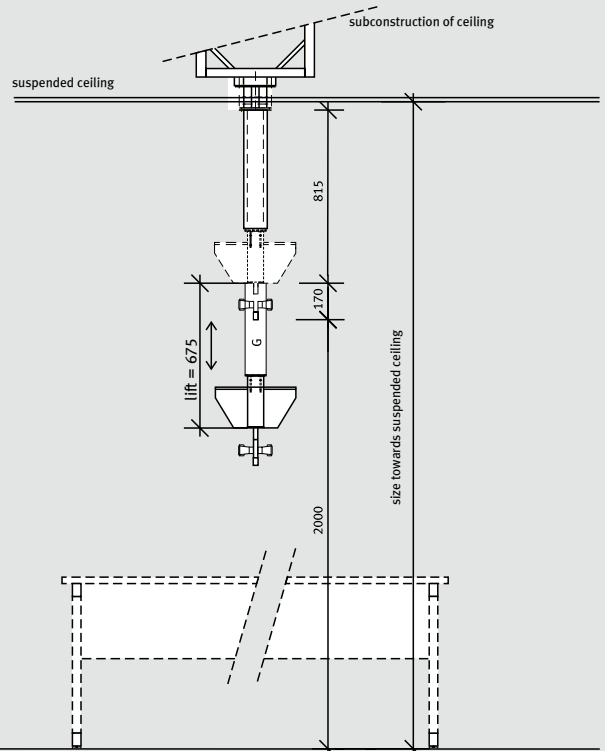
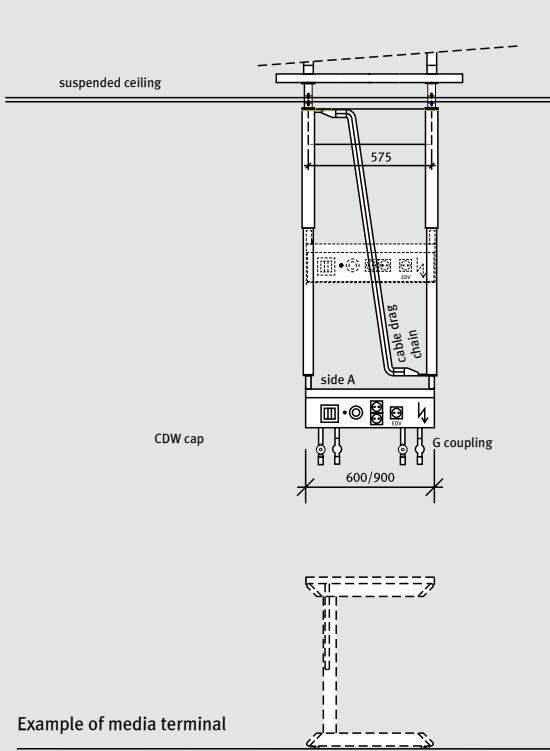
Ceiling installation „Media terminal“

The media terminal holds all media required for experiments. The unit is hanging on electric lifting columns. By means of an infinitely variable height adjustment the outlet points can be

completely removed from student's access. All supply lines are operated from a central feeding point located in the room.



- Invisible and cheap media supply below suspended ceiling.
- Individually adjustable to most comfortable reachable height.
- Infinitely variable height adjustment with electric motor (individually or in groups).
- „Invisible“ if not in use.
- Easy media coupling that can be carried out by any student.
- Reduced preparation times for the various lessons.
- No restrictions to the acoustics and the lighting conditions.
- Solid construction.
- Interference immunity
- Reasonable initial costs.
- Multi-task utilization of the room possible.
- Can be combined with many additional LABOdacta system components.

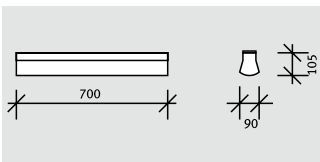


Further modular grids on demand.

Description	Article no.
media terminal Classic modular grid 600	156213
Media terminal Classic modular grid 900	156215

Media terminal Classic

Illumination for media terminal Classic



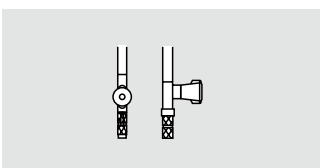
As an additional illumination of the workplaces 2 workplace lamps per terminal can be installed.

The average level of illumination E_m is 539 lux per lamp.

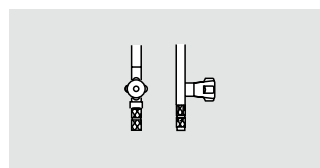
Description	Article no.
workplace lamp	
length 700 mm	153241



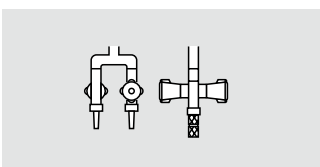
Sanitary fittings media terminal Classic



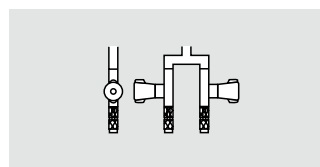
Description	Article no.
gas tap with coupling	722855



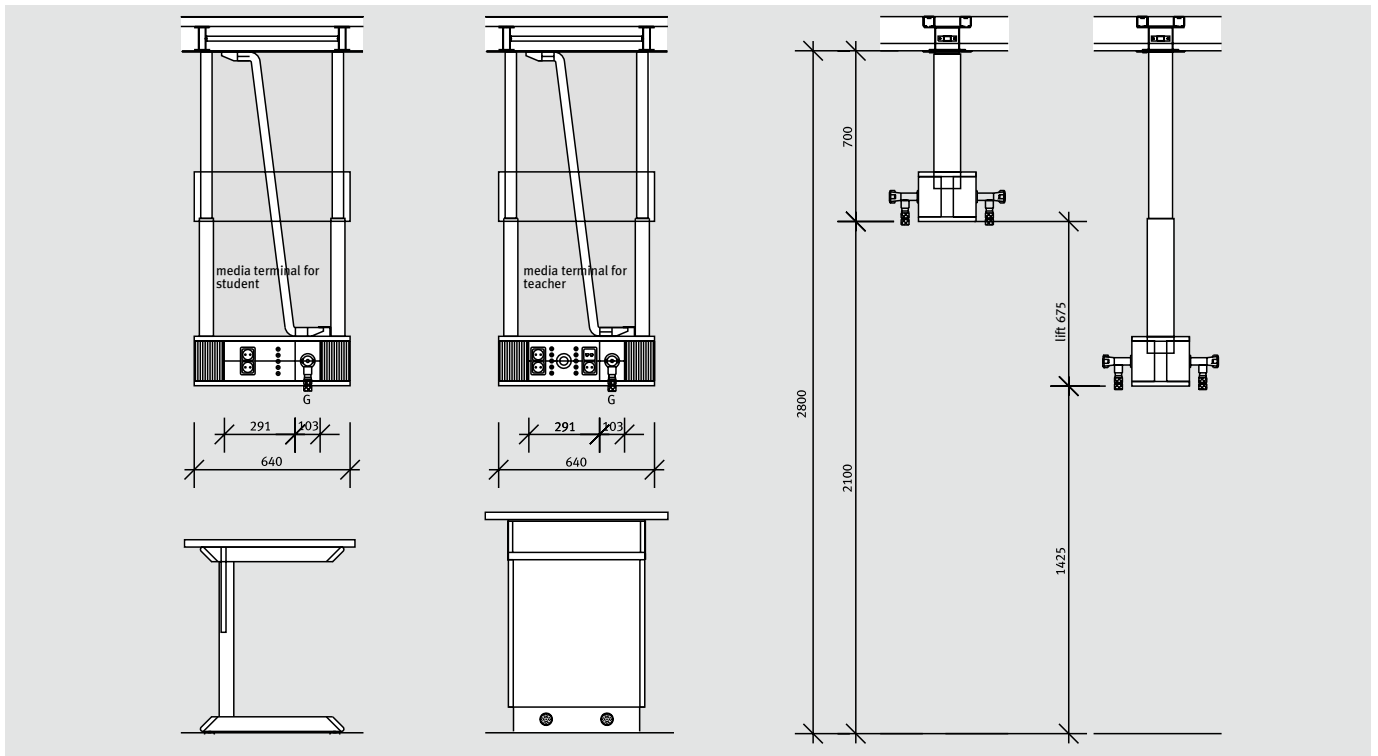
Description	Article no.
gate valve for water with coupling	722821



Description	Article no.
2 x gas tap with coupling	721922



Description	Article no.
2 x gate valve for water with coupling	720122



Description	Article no.
Media terminal Pro modular grid 600	156216

Further modular grids on demand.

Media terminal Pro

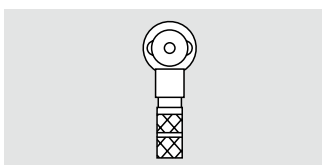


Description	Article no.
set of workplace lamps (2 pieces)	153242

With additional illumination elements on the floor of the terminals they are taking away their shade themselves and thus provide additional quality of work.



Sanitary fittings media terminal Pro



Description	Article no.
angular gas tap with coupling	711920
ang. valve for water with coupling	710821

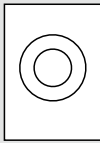
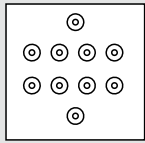
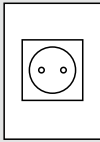
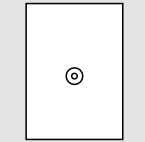
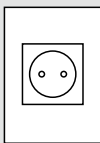
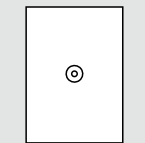
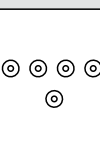
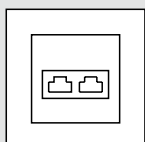
Further equipment variantes for e.g. cooling water, vacuum, compressed air, etc. can easily be executed. Please get in contact with us.



The Labodacta media terminal Pro is our modern answer to new teaching methods and room structures. By means of the infinitely variable electric height adjustment the student's workplaces are fed with media such as power, gas, compressed air and cooling water, as well as with EDP. Multi-tasking thus becomes a particularly budget-friendly factor when newly furnishing or reconstructing your scientific classrooms with the Wesemann media terminal Pro.



Electric fittings for media board and media terminal

	<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td>emergenc. cutout experimenting distributor</td> <td>emergency stop</td> <td>681034</td> </tr> </tbody> </table>	Application	Description	Article no.	emergenc. cutout experimenting distributor	emergency stop	681034		<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td>transmission/ consumption of small voltages</td> <td>set of electric fittings 8 sel. poles 2 PE</td> <td>681009</td> </tr> </tbody> </table>	Application	Description	Article no.	transmission/ consumption of small voltages	set of electric fittings 8 sel. poles 2 PE	681009			
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Application	Description	Article no.																
transmission/ consumption of small voltages	1 selective pole	681007																
	<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td>transmission/ consumption of small voltages</td> <td>set of electric fittings 4 sel. poles 1 PE</td> <td>681008</td> </tr> </tbody> </table>	Application	Description	Article no.	transmission/ consumption of small voltages	set of electric fittings 4 sel. poles 1 PE	681008		<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td>network connection</td> <td>data socket RJ 45 CAT 6 unwired single socket</td> <td>651903</td> </tr> <tr> <td></td> <td>double socket</td> <td>651904</td> </tr> </tbody> </table>	Application	Description	Article no.	network connection	data socket RJ 45 CAT 6 unwired single socket	651903		double socket	651904
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transmission/ consumption of small voltages	set of electric fittings 4 sel. poles 1 PE	681008																
Application	Description	Article no.																
network connection	data socket RJ 45 CAT 6 unwired single socket	651903																
	double socket	651904																

Loudspeakers

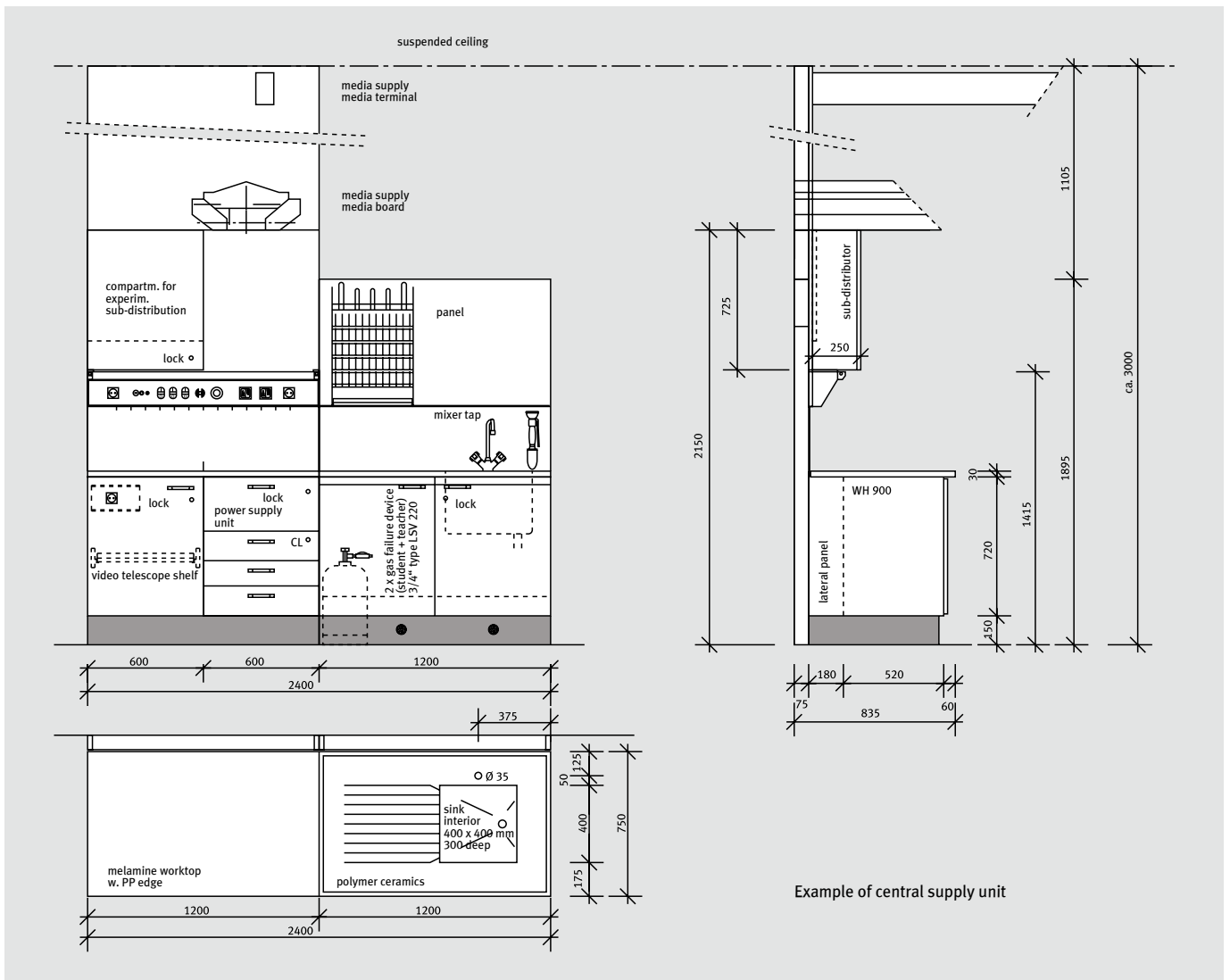
4 loudspeakers for an even acoustic irradiation of all experimenting stations. Installed in media board or in media terminal.

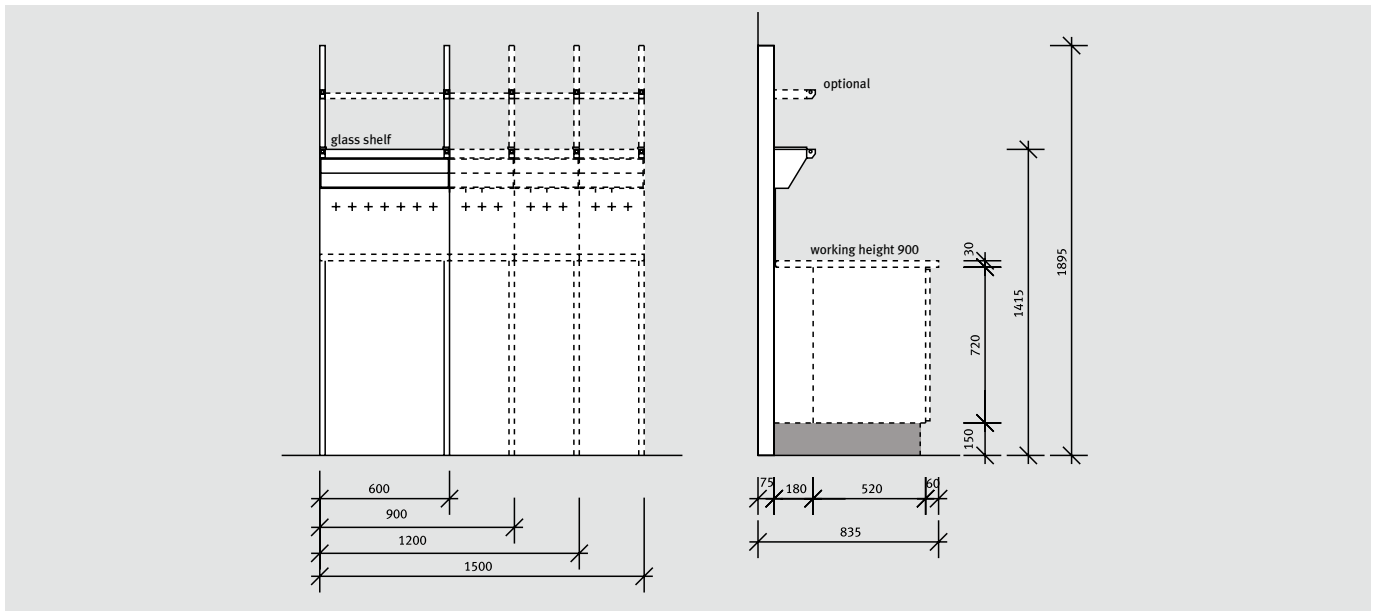
Description	Article no.
set of loudspeakers consisting of 4 broadband loudspeakers and one amplifier of 18 watt.	
Inclusive 30 m of connection cable	930090



The laboratory workbench is a central supply unit that holds all operational elements of the teacher. All supply lines from the media board or the media terminal lead into the supply unit. The experimenting distribution as well as a power supply unit can be integrated into the supply unit. The supply unit can also be equipped with a sink/wet workplace.

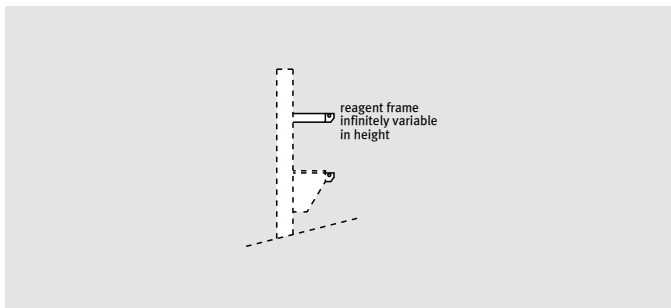
Centralsupply unit





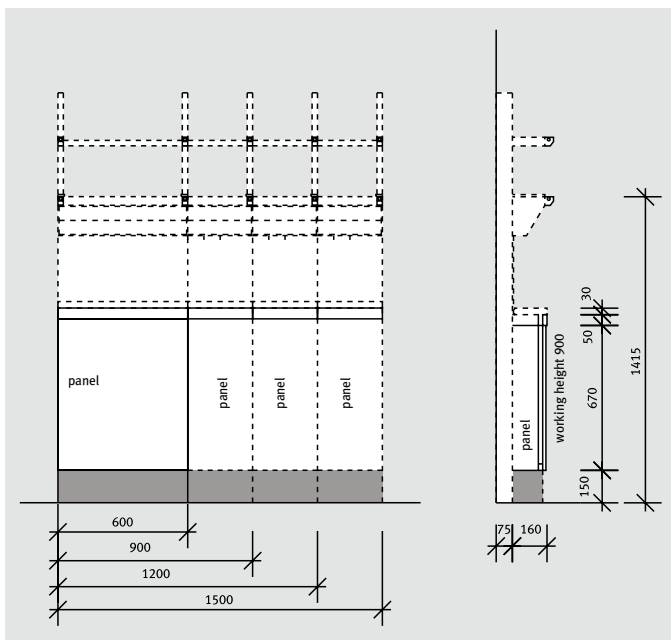
Module frame for wall-mounted workbenches

Description	Article no.
module frame for wall-mounted workbenches	
system upright of aluminium, 1 media duct,	
5 mm of raw glass shelf on media duct, 2 scaffold rod holders	
module frame modular grid 600	121113
module frame modular grid 900	121115
module frame modular grid 1200	121116
module frame modular grid 1500	121117



Storage level

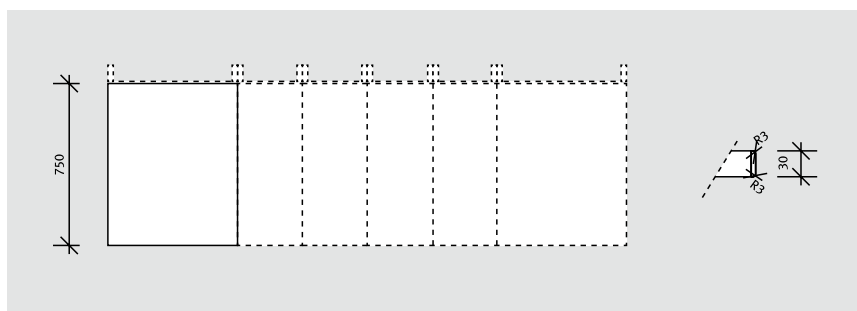
Description	Article no.
storage level depth 225 mm	
5 mm of raw glass shelf	
2 scaffold rod holders	
modular grid 600	199933
modular grid 900	199935
modular grid 1200	199936
modular grid 1500	199937



Attachment frame with panel

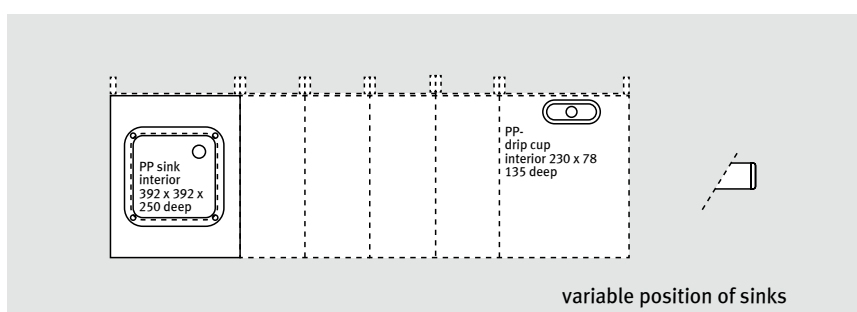
Description	Article no.
attachment frame with panel	
depth 160 mm	
modular grid 600	292873
modular grid 900	292875
modular grid 1200	292876
modular grid 1500	292877

Worktops for standing units



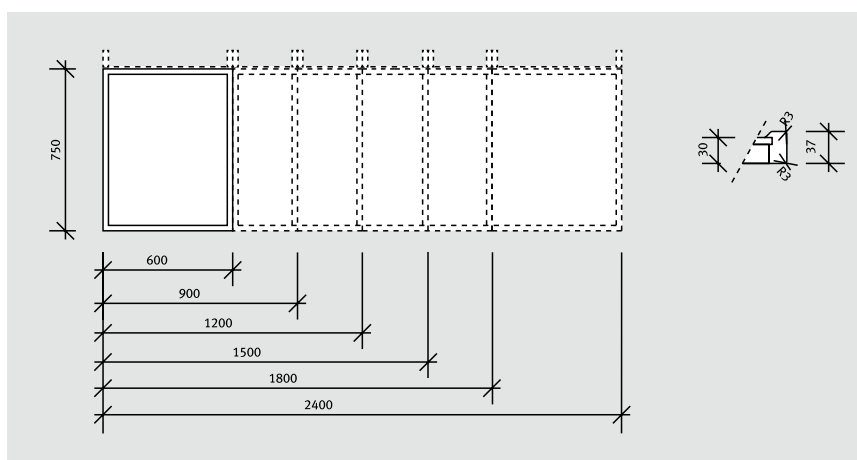
Worktops with melamine resin surface

Description	Article no.
worktops with melamine resin surface depth 750 mm	
1 running metre	311140



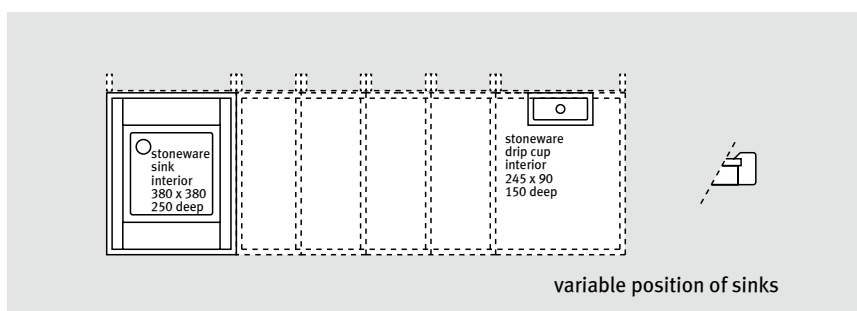
Polypropylene sinks

Description	Article no.
polypropylene sinks for worktops with melamine resin surface interior size 392 x 392 x 250 mm	
colour grey	313844
polypropylene drip cup for worktops with melamine resin surface interior size 230 x 78 x 135 mm	
colour grey	313822
drilled hole in worktop melamine resin surface	316210



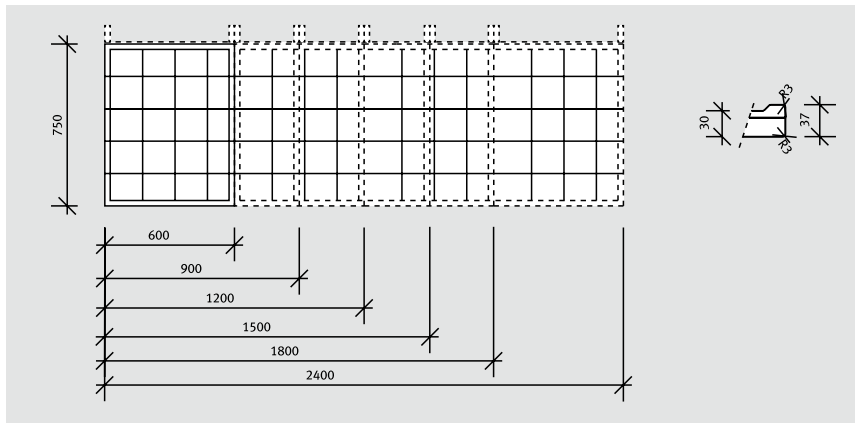
Worktops of fine stoneware laminate

Description	Article no.
worktops of fine stoneware laminate core board covered with large-size stoneware tiles, integrally casted epoxy resin rim depth 750 mm	
modular grid 600	352443
modular grid 900	352445
modular grid 1200	352446
modular grid 1500	352447
modular grid 1800	352448
modular grid 2400	352449



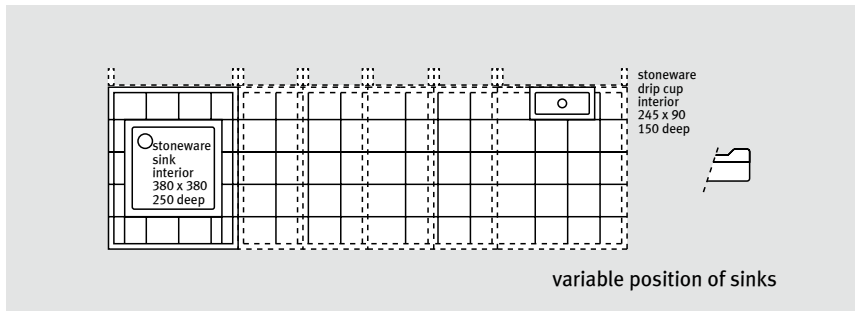
Stoneware sink

Description	Article no.
stoneware sink for fine stoneware laminated worktops interior size 380 x 380 x 250 mm	
colour white	363545
stoneware drip cup for for stoneware laminate worktops interior size 245 x 95 x 150 mm	
colour white	363522
drilled hole in worktop fine stoneware	356210



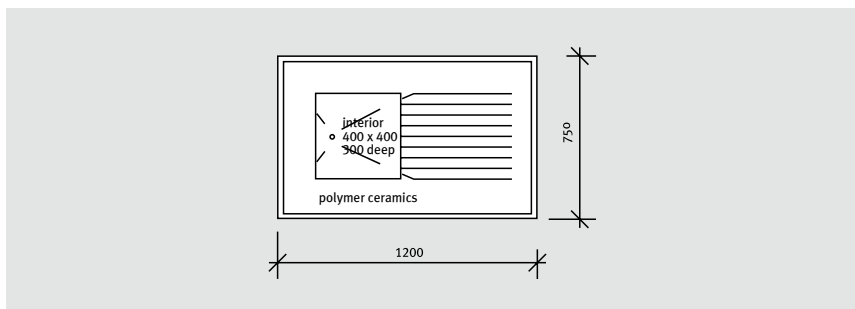
Worktops with red tiles

Description	Article no.
worktops with red tiles	
core board covered with unglazed red laboratory tiles, edge tiles with rim	
depth 750 mm	
modular grid 600	320643
modular grid 900	320645
modular grid 1200	320646
modular grid 1500	320647
modular grid 1800	320648
modular grid 2400	320649



Stoneware sink

Description	Article no.
stoneware sink	
for worktops with red tiles	
interior size 380 x 380 x 250 mm	
colour auburn	363546
stoneware drip cup for worktops with red tiles	
interior size 245 x 90 x 150 mm	
colour auburn	363523
drilled hole in worktop	
fine stoneware	356210



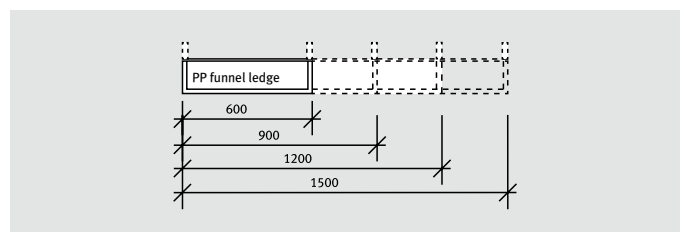
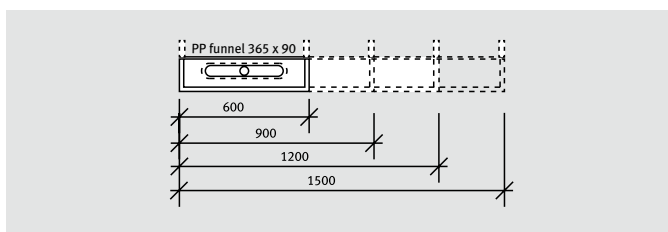
Sink cover of polymer ceramics depth 750 mm

Description	Article no.
sink cover of polymer ceramics	
depth 750 mm	
modular grid 1200	
can be used on left and right side	305001

Sink cover of polypropylene depth 750 mm

Description	Article no.
sink cover of polypropylene	
depth 750 mm	
modular grid 1200	
can be used on left and right side	381435

PP funnel ledges for standing units with attachment frames



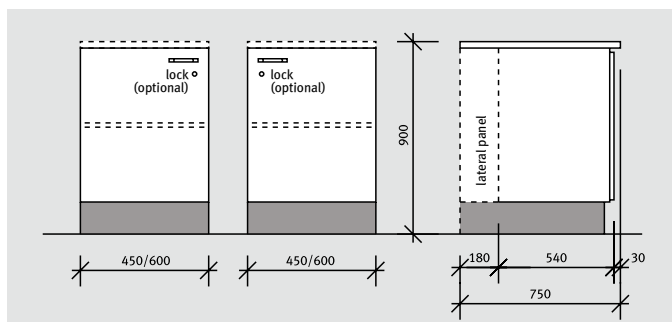
Installation ledge with drip cup

Description	Article no.
installation ledge of polypropylene	
depth 160 mm	
with PP drip cup, interior size 365 x 90 mm	
modular grid 600	383533
modular grid 900	383535
modular grid 1200	383536
modular grid 1500	383537

Installation ledge

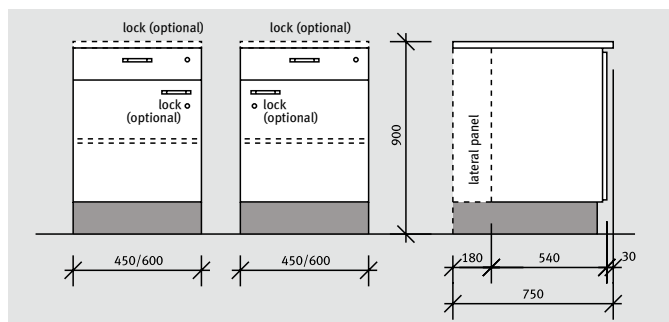
Description	Article no.
installation ledge of polypropylene	
depth 160 mm	
modular grid 600	383433
modular grid 900	383435
modular grid 1200	383436
modular grid 1500	383437

Underbench units for wall-mounted workbenches



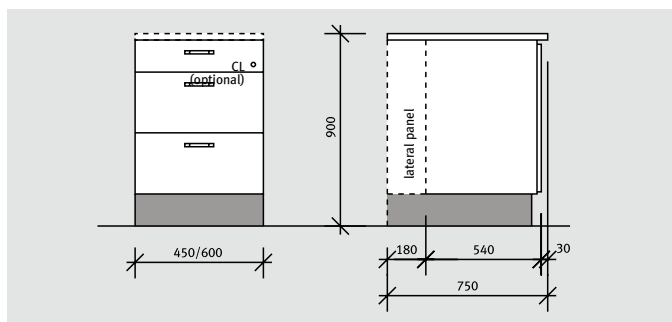
Underbench unit with hinged door

Description	Article no.
underbench unit with hinged door	
1 shelf	
door left modular grid 450	870152
door right modular grid 450	870252
door left modular grid 600	870153
door right modular grid 600	870253
back lock	913101



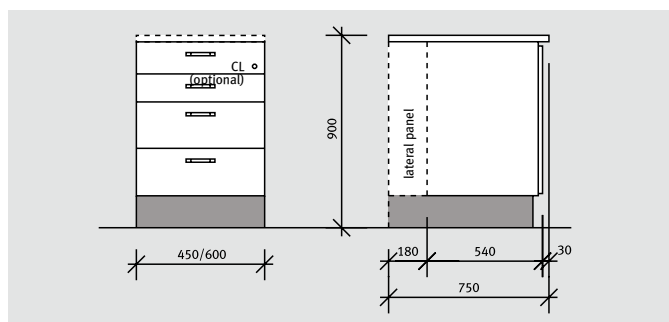
Underbench unit with 1 drawer, hinged door

Description	Article no.
underbench unit with 1 drawer, hinged door	
1 shelf	
door left, modular grid 450	870352
door right, modular grid 450	870452
door left, modular grid 600	870353
door right, modular grid 600	870453
back lock	913101



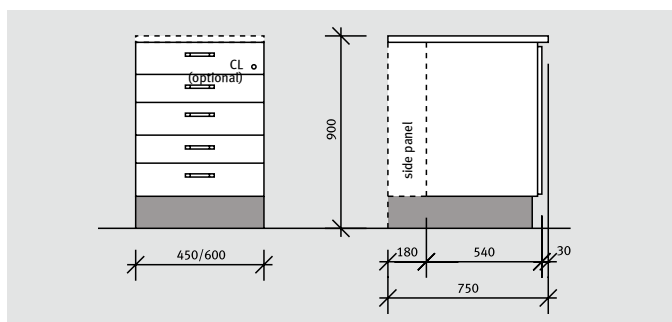
Underbench unit with 3 drawers

Description	Article no.
underbench unit with 3 drawers	
1 drawer 1 HE	
2 drawers 2 HE	
modular grid 450	870852
modular grid 600	870853
central lock (CL)	913103



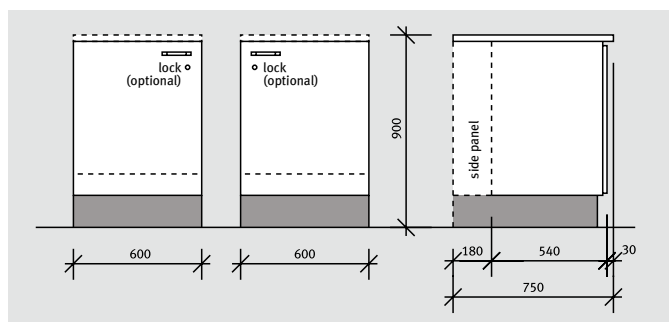
Underbench unit with 3 drawers

Description	Article no.
Underbench unit with 4 drawers	
2 drawers 1 HE	
2 drawers 1,5 HE	
modular grid 450	870652
modular grid 600	870653
central lock (CL)	913103



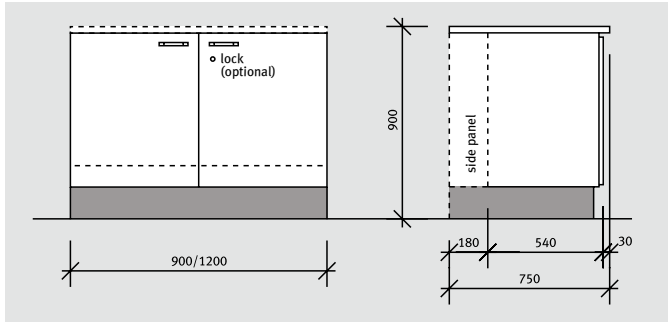
Underbench unit with 5 drawers

Description	Article no.
underbench unit with 5 drawers	
5 drawers 1 HE	
modular grid 450	870552
modular grid 600	870553
central lock (CL)	913103



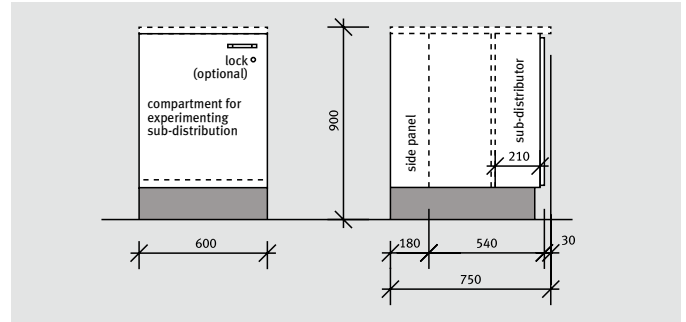
Underbench unit for installation

Description	Article no.
underbench unit for installation	
door left modular grid 600	871453
door right modular grid 600	871353
back lock	913101



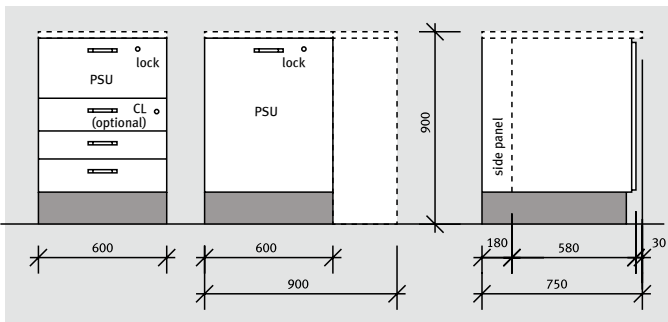
Underbench unit for installation

Description	Article no.
Underbench unit for installation	
modular grid 900	872355
modular grid 1200	872356
espagnolette	913104



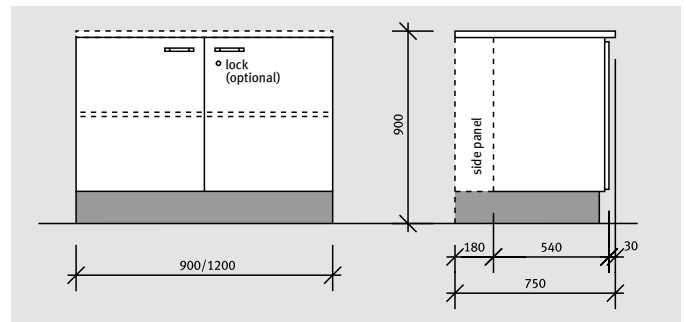
Underbench unit electric installation

Description	Article no.
underbench unit electric installation	
door left modular grid 600	872953
door right modular grid 600	873053
back lock	913101



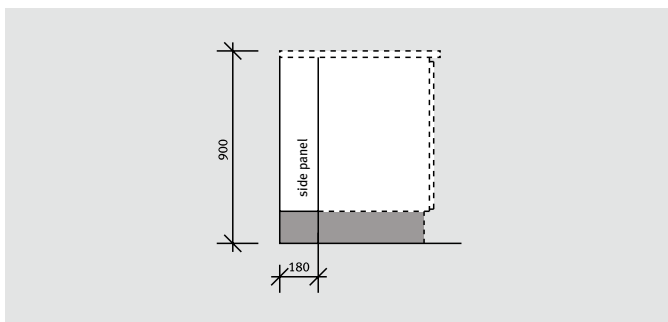
Underbench unit for power supply unit (PSU)

Description	Article no.
underbench unit for power supply unit (PSU)	
modular grid 600 for PSU 2 height units	874653
modular grid 600 for PSU 4 height units	874753
modular grid 900 for PSU 4 height units	874755
central lock (CL)	913103



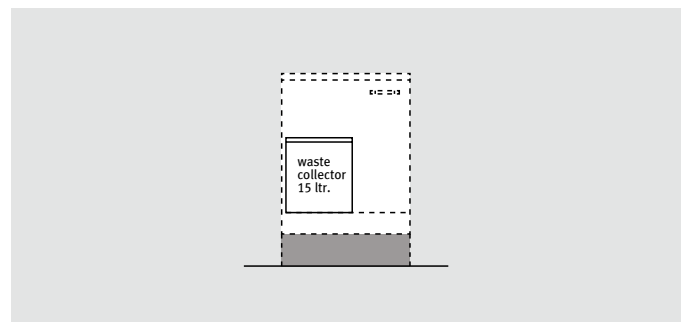
Underbench unit with hinged doors

Description	Article no.
underbench unit with hinged doors	
1 shelf	
modular grid 900	871555
modular grid 1200	871556
espagnolette	913104



Wall connection panel

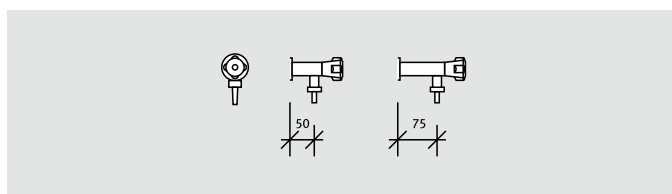
Description	Article no.
wall connection panel	913013



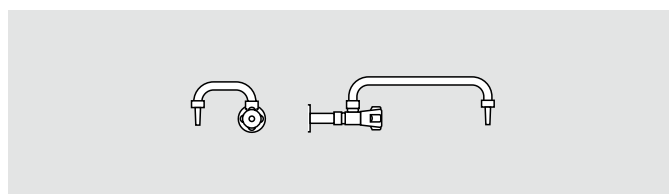
Built-in waste collector

Description	Article no.
built-in waste collector	
1 container 15 l	
cover-lift-system	910036

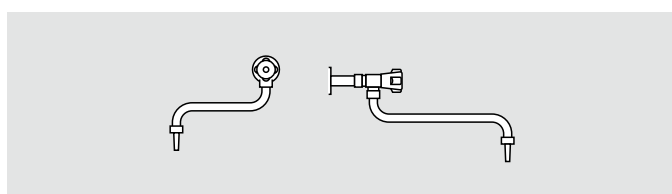
Sanitary fittings for upright units



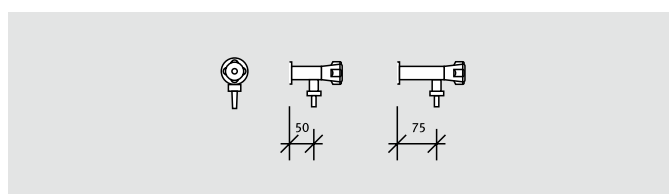
Description	Article no.
angular valve for water	
projection 50 mm	710101
projection 75 mm	710102



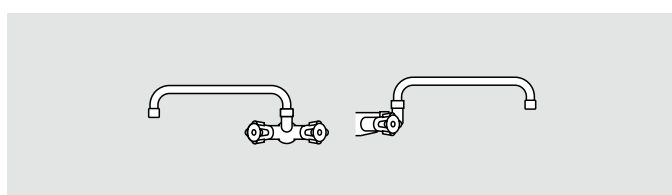
Description	Article no.
angular valve for water with swivelling U outlet	710104



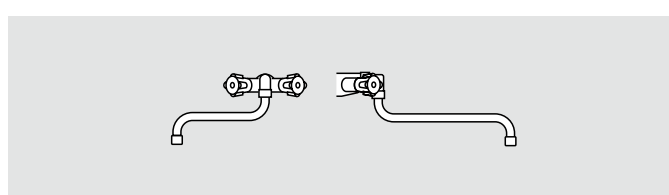
Description	Article no.
angular valve for water with swivelling S outlet	710105



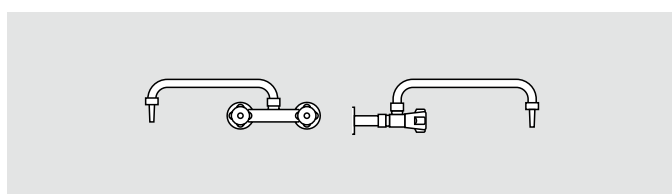
Description	Article no.
angular valve for desalinated water	
projection 50 mm	710601
projection 75 mm	710602



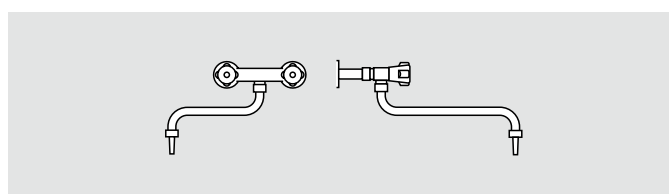
Description	Article no.
unpressurized mixer tap with U outlet	715604



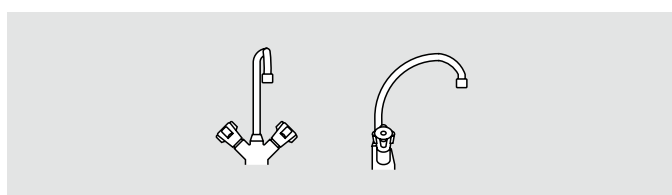
Description	Article no.
unpressurized mixer tap with S outlet	715605



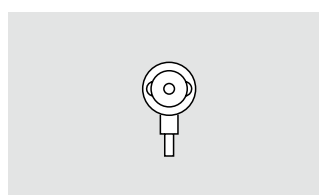
Description	Article no.
pressure-proof mixer tap with U outlet	715004



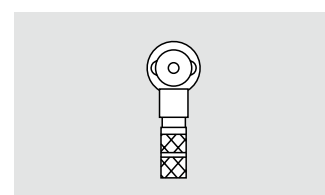
Description	Article no.
pressure-proof mixer tap with S outlet	715005



Description	Article no.
unpressurized mixer tap as upright fitting	735600



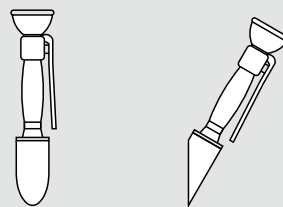
Description	Article no.
angular gas tap with hose outlet	711109



Description	Article no.
angular gas tap with coupling	711920



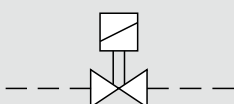
Description	Article no.
stop valve for water	730150
stop valve for desalinated water	730650



Description	Article no.
eye shower acc. to DIN 12899 p.2, with vertically spraying shower head	940077

Sanitary installations

Water installation



Description	Article no.
magnetic water valve 1/2 inch	790150
magnetic water valve 3/4 inch	790151



Description	Article no.
bench connection water, to ball tap on site	790102

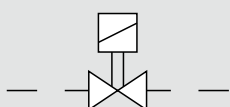


Description	Article no.
bench connection waste water	790106

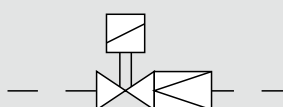


Description	Article no.
unpressurized hot water boiler capacity of 5 l	911048
capacity of 10 l	911049

Gas installation



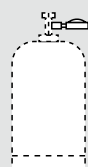
Description	Article no.
magnetic gas valve 1/2 inch	790153
magnetic gas valve 3/4 inch	790154



Description	Article no.
gas failure device	790156



Description	Article no.
propane cylinder 5 kg	790157

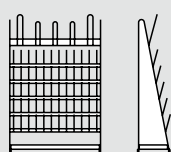


Description	Article no.
pressure reducer with manometer for propane cylinder and hose	790158

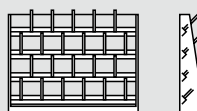


Description	Article
bench connection gas, to ball tap on site	790103

Accessories



Description	Article no.
draining board of mesh for laboratory glassware plastic coated with collection tray, ca. 420 x 170 x 610 mm (H x W x D)	910027



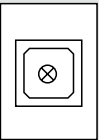
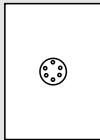
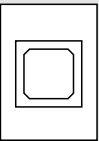
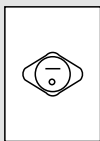
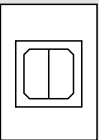
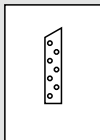
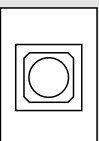
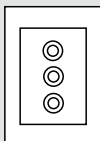
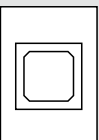
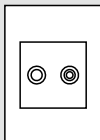
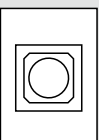
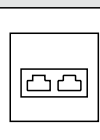


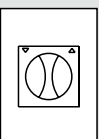
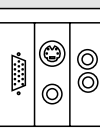
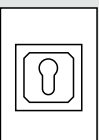
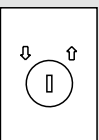
Description	Article no.
draining board of PP 600 x 460 mm colour light-grey, with 22 rods for wall or system fixation, collection groove and discharge ca. 600 x 460 x 100 mm (H x W x D)	910029

Electric fittings

The very right operational fittings are available for just about any requirement, from experimenting to function control or transmission of sound signals.



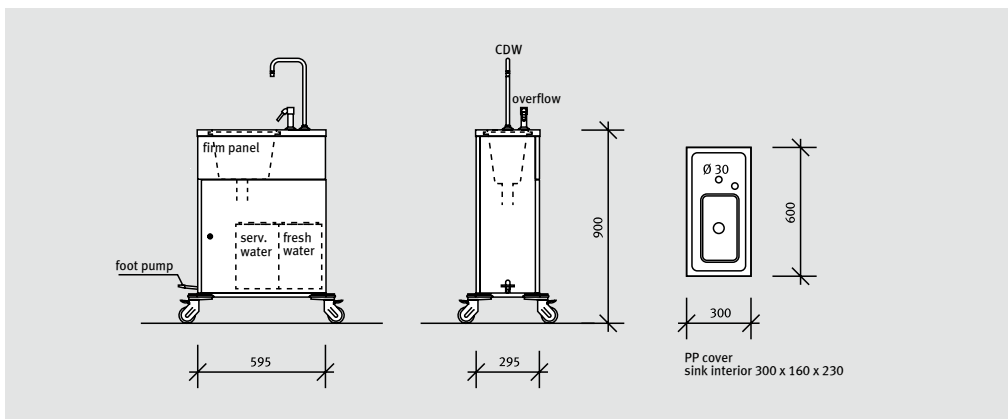
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<p>key position 1: mains media terminal (lifting movement) on, mains experimenting distributor off, warning signal (lifting movem.) on key position 2: mains experimenting distributor on, mains media-terminal (lifting movement) off, warning signal (lifting movem.) off key position 0: mains experimenting distributor on/off, mains media terminal (lifting movem.) off, warning signal (lifting movem.) off</p>		<table border="1"> <tbody> <tr> <td></td> <td>1 PE socket</td> <td>681048</td> </tr> </tbody> </table>		1 PE socket	681048																			
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	<table border="1"> <tbody> <tr> <td>darkening device</td> <td>rotary/push-lock switch up-0-down</td> <td>681030</td> </tr> </tbody> </table>	darkening device	rotary/push-lock switch up-0-down	681030		<table border="1"> <tbody> <tr> <td>connection unit video projector</td> <td>930100</td> </tr> <tr> <td colspan="2">The fitting offers 3 alternative options for the transmission of picture signals.</td> </tr> <tr> <td colspan="2">1. Transmission of picture signal with yellow Cinch jack.</td> </tr> <tr> <td colspan="2">2. Transmission of picture signal with S-VHS/S-video jack.</td> </tr> <tr> <td colspan="2">3. Transmission of picture signal with VGA jack.</td> </tr> <tr> <td colspan="2">Transmission of sound signals with Cinch jacks, red and white. All jacks are wired with a connection line incl. wired plug connection (jack).</td> </tr> <tr> <td colspan="2">The fitting offers the option to transmit the signal giving unit (PC) to the video projector (picture/sound) and to the amplifier/loudspeakers (sound).</td> </tr> </tbody> </table>	connection unit video projector	930100	The fitting offers 3 alternative options for the transmission of picture signals.		1. Transmission of picture signal with yellow Cinch jack.		2. Transmission of picture signal with S-VHS/S-video jack.		3. Transmission of picture signal with VGA jack.		Transmission of sound signals with Cinch jacks, red and white. All jacks are wired with a connection line incl. wired plug connection (jack).		The fitting offers the option to transmit the signal giving unit (PC) to the video projector (picture/sound) and to the amplifier/loudspeakers (sound).	
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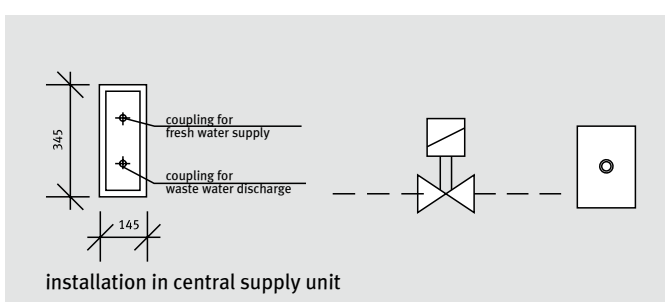
Mobile sink stations can be used for water supply at teacher and student experimenting stations.

Mobile sink station



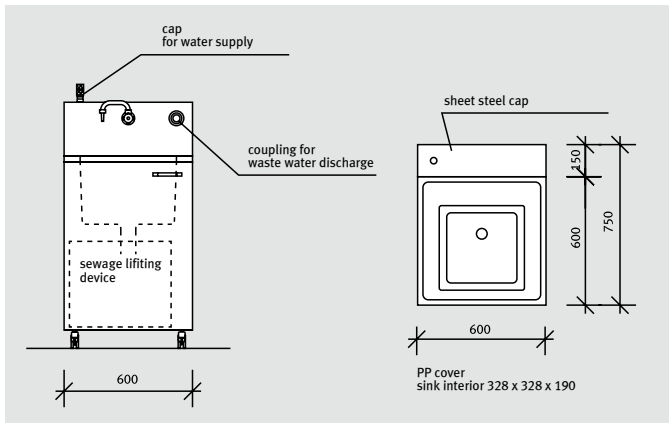
Mobile water station

Description	Article no.
mobile water station	
for water supply and waste water discharge of student training stations; with integrated fresh and waste water tank, ca. 10 l each.	
built-in PP sink, siphon and water outlet fitting; pump with foot operation;	
carcass with inspection opening and 4 double guide castors, 2 of which are with stops.	131030



Set for supply and discharge

Description	Article no.
Set for supply and discharge for mobile water station consisting of:	
1 holding frame	
1 fresh water coupling	
1 waste water coupling	
1 magnetic water valve	
1 button in media duct	131032



Mobile sink station

Description	Article no.
sink station	
1 small lifting device with sewage collection container and automatically switching pump, flap trap, waste water collection container with ventilation	
size of container ca. W 370 x D 180 x H 265 mm,	
pressure joint 1 x DN 32, feeding opening DN 40	
operational voltage 230 V, power input 350 W	
1 water outlet fitting, 1 coupling to water supply, 1 coupling to water discharge,	
1 supply line, 1 discharge line	
4 double guide castors, 2 of which are with stops	131031

self-sucking rotary pump, operational voltage 230 V, thermal overload protection installation in central supply unit



Waste water pump for mobile water station

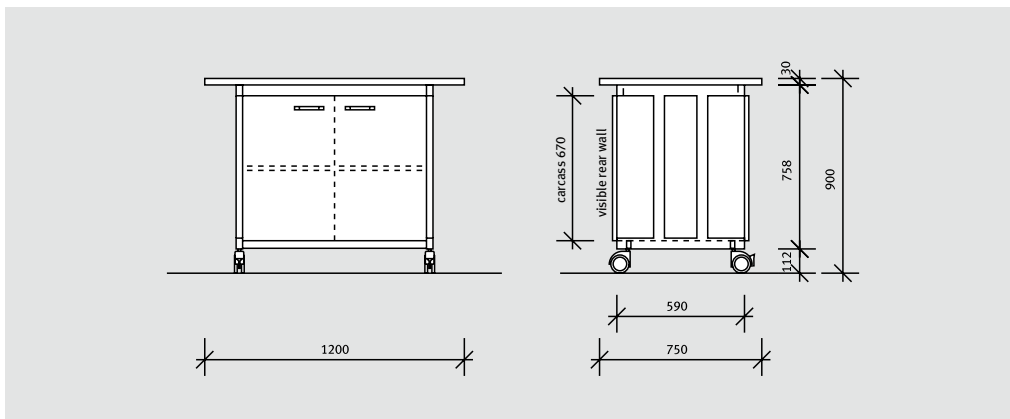
Description	Article no.
waste water pump for mobile water station	
consisting of:	
1 waste water pump, 1 connection hose to pump	
1 connection hose to waste water connection	
1 button in media duct	131033

Discharge coupling

Installation in central supply unit

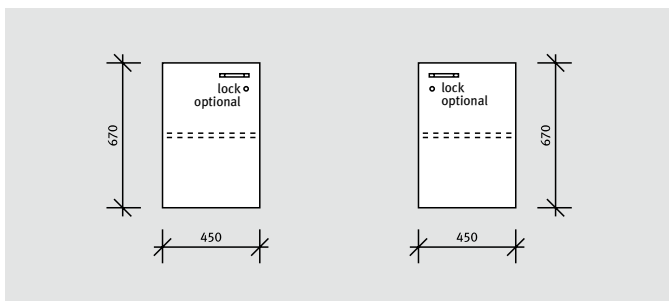
Description	Article no.
discharge coupling for mobile sink station	131034

Mobile teacher desks



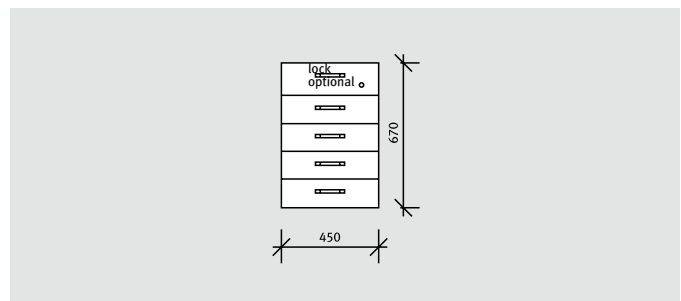
Teacher desk, mobile

Description	Article no.
teacher desk, mobile	
frame	292356
worktop	310146
plug-in screening grid for teacher desk	130209



Underbench unit with hinged door

Description	Article. no.
Underbench unit with hinged door	
1 shelf, visible rear wall	
door left modular grid 450	235152
door right modular grid 450	235252
1 back lock	913101



Underbench unit with 5 drawers

Description	Article. no.
underbench unit with 5 drawers	
visible rear wall modular grid 450	235352
central lock	913103

Cabinets

A clear storage of all teaching and educational materials is prerequisite for the teachers in order to do justice to the high demands.



Space for each teaching „material“



Full-height cabinets Top-mounted cabinets

The extensive range of cabinets provides an ideal solution for any application. All cabinets are either available in partly or fully glazed execution with floatglass or safety glass.

The top-mounted cabinets with integrated aluminium ladder rail make use of the full room height.

In case of a small floor space cabinets with sliding doors are available.

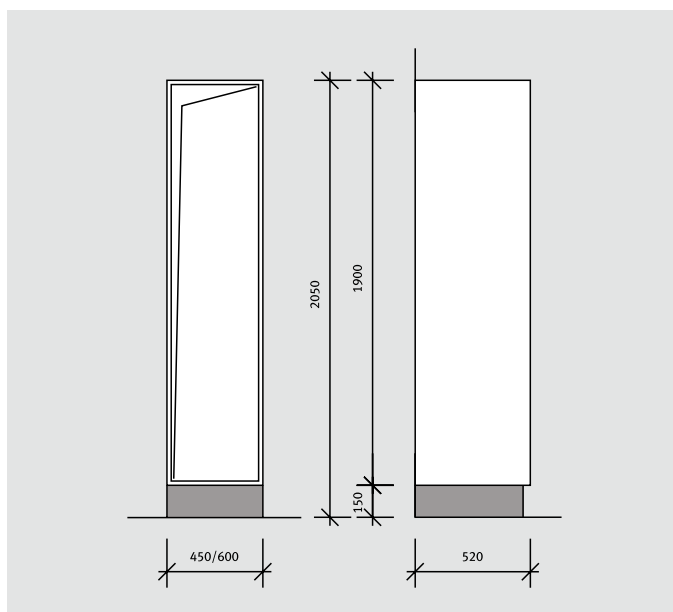


Cabinet equipment

With the versatile range of equipment elements one can make best use of the cabinet interior. Although teaching and educational materials are of different shapes and weights a tailor-made solution is available for everything.

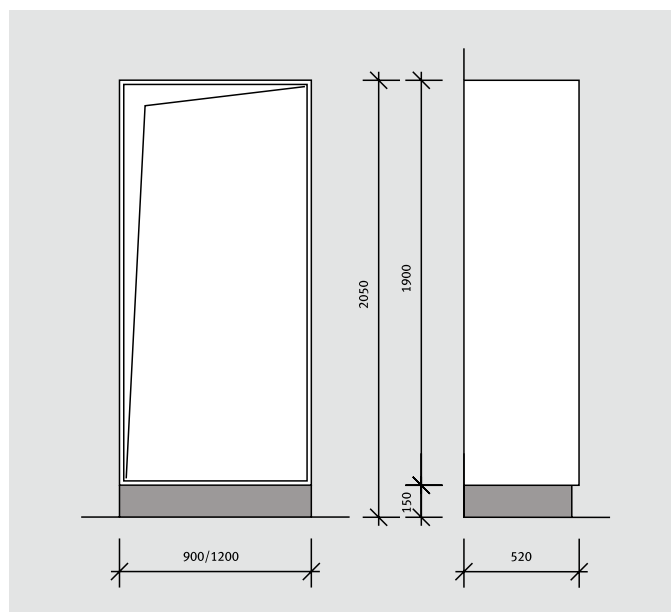


Full-height cabinets



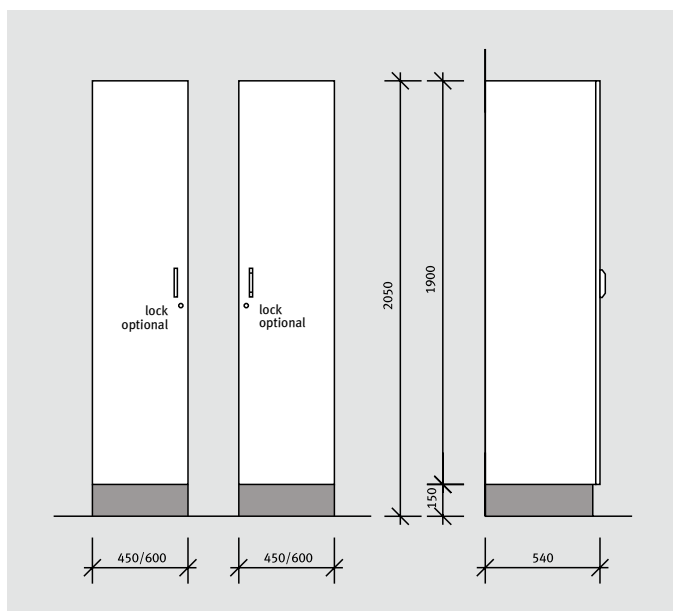
Shelf

Description	Article no.
shelf	
modular grid 450	890012
modular grid 600	890013



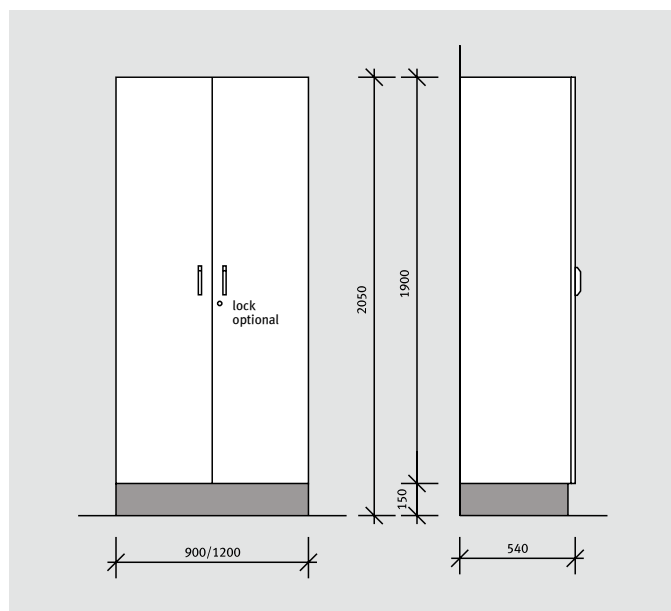
Shelf

Description	Article no.
shelf	
modular grid 900	890015
modular grid 1200	890016



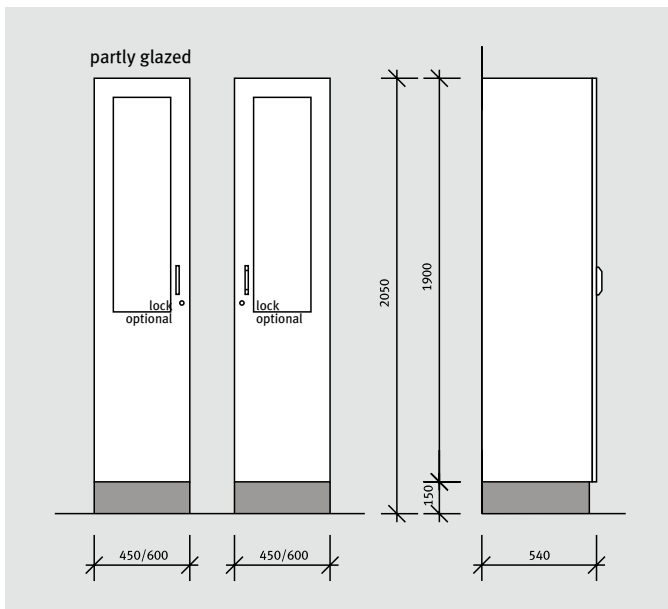
Instrument cabinet

Description	Article no.
instrument cabinet	
modular grid 450 hinged door, left	890112
modular grid 450 hinged door, right	890212
modular grid 600 hinged door, left	890113
modular grid 600 hinged door, right	890213
espagnolette	933104



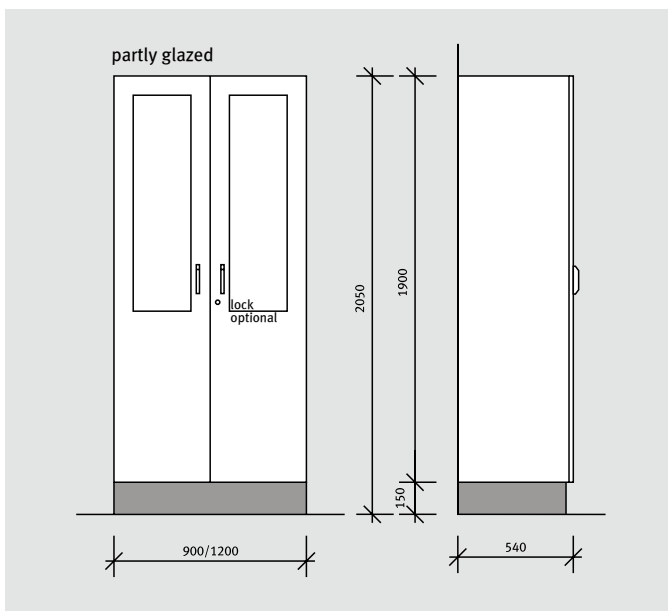
Instrument cabinet

Description	Article no.
instrument cabinet	
modular grid 900 hinged doors	891515
modular grid 1200 hinged doors	891516
espagnolette	933104



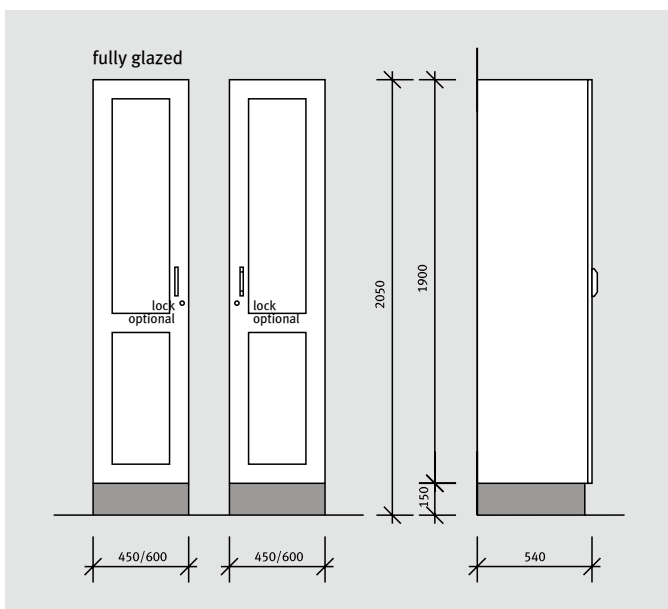
Instrument cabinet, partly glazed

Description	Article no.
instrument cabinet, partly glazed	
modular grid 450 hinged door, left	
partly glazed with float glass	890112+892012
partly glazed with safety glass	890112+892212
modular grid 450 hinged door, right	
partly glazed with float glass	890212+892012
partly glazed with safety glass	890212+892212
modular grid 600 hinged door, left	
partly glazed with float glass	890113+892013
partly glazed with safety glass	890113+892213
modular grid 600 hinged door, right	
partly glazed with float glass	890213+892013
partly glazed with safety glass	890213+892213
espagnolette	933104



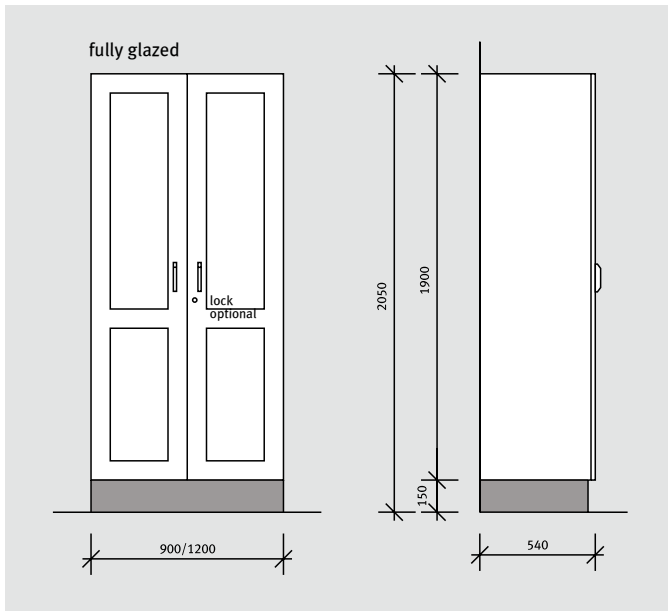
Instrument cabinet, partly glazed

Description	Article no.
instrument cabinet, partly glazed	
modular grid 900 hinged doors	
partly glazed with float glass	891515+ 2x 892012
partly glazed with safety glass	891515+ 2x 892212
modular grid 1200 hinged doors	
partly glazed with float glass	891516+ 2x 892013
partly glazed with safety glass	891516+ 2x 892213
espagnolette	933104



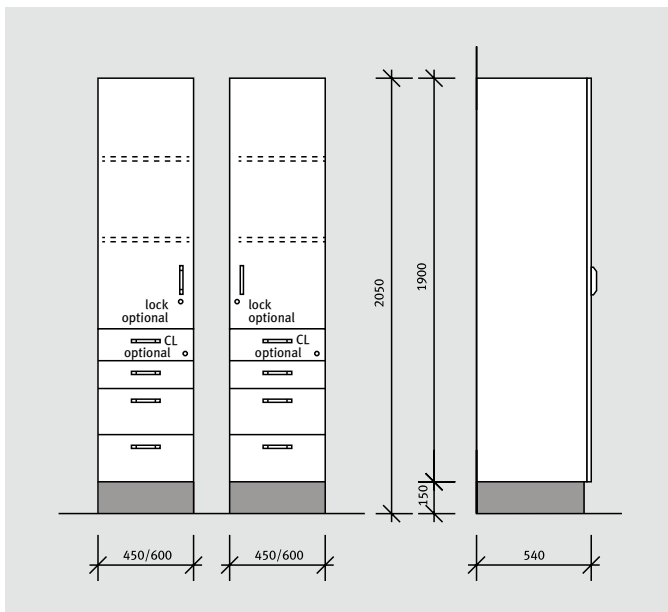
Instrument cabinet, fully glazed

Description	Article no.
instrument cabinet, fully glazed	
modular grid 450 hinged door, left	
fully glazed with float glass	890112+892112
fully glazed with safety glass	890112+892312
modular grid 450 hinged door, right	
fully glazed with float glass	890212+892112
fully glazed with safety glass	890212+892312
modular grid 600 hinged door, left	
fully glazed with float glass	890113+892113
fully glazed with safety glass	890113+892313
modular grid 600 hinged door, right	
fully glazed with float glass	890213+892113
fully glazed with safety glass	890213+892313
espagnolette	933104



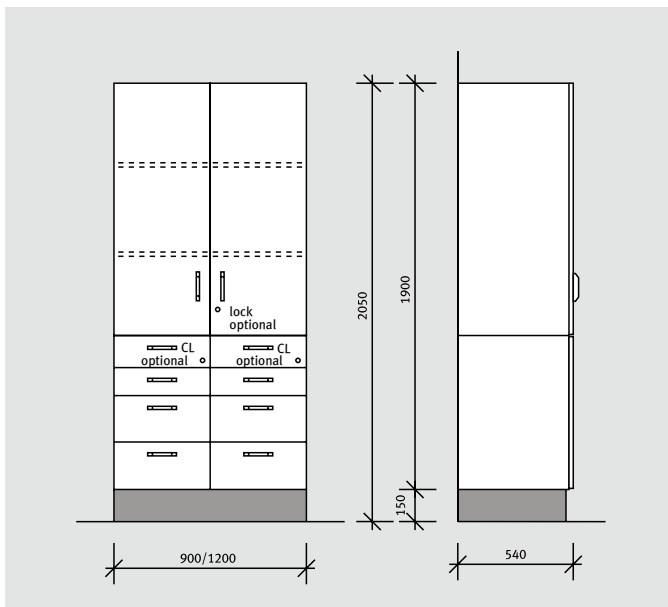
Instrument cabinet, fully glazed

Description	Article no.
instrument cabinet, fully glazed	
modular grid 900 hinged doors	
fully glazed with float glass	891515+ 2x 892112
fully glazed with safety glass	891515+ 2x 892312
modular grid 1200 hinged doors	
fully glazed with float glass	891516+ 2x 892113
fully glazed with safety glass	891516+ 2x 892313
espagnolette	933104



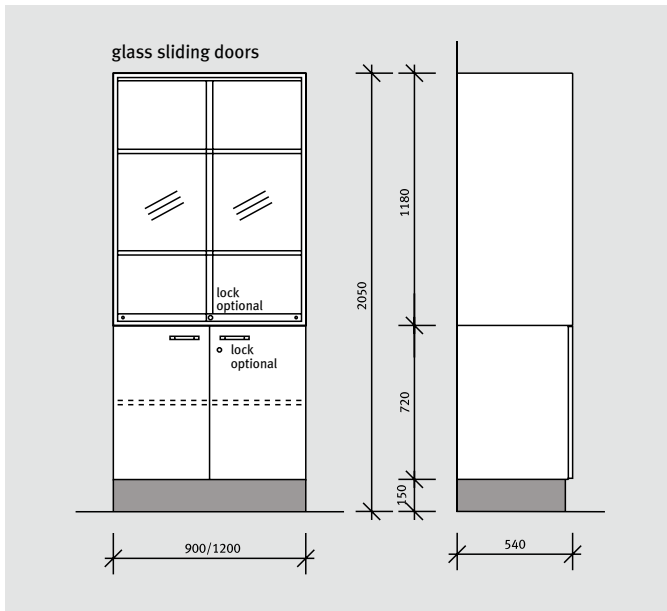
Instrument cabinet

Description	Article no.
instrument cabinet	
modular grid 450	
4 drawers	
2 shelves	
hinged door left	891012
hinged door right	891112
modular grid 600	
4 drawers	
2 shelves	
hinged door left	891013
hinged door right	891113
espagnolette	933104
central lock f. 4 drawers (CL)	2x 913103



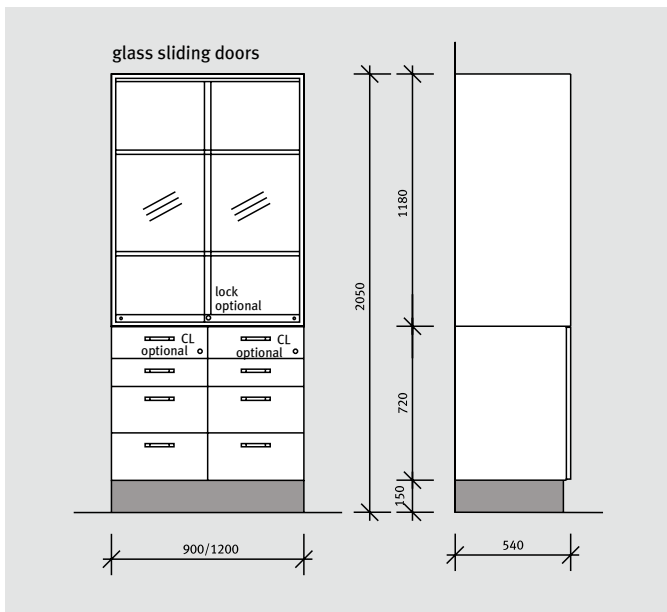
Instrument cabinet

Description	Article no.
instrument cabinet	
modular grid 900	
2 hinged doors	
8 drawers	
2 shelves	894015
modular grid 1200	
2 hinged doors	
8 drawers	
2 shelves	894016
espagnolette	933104
central lock f. 4 drawers (CL)	2x 913103



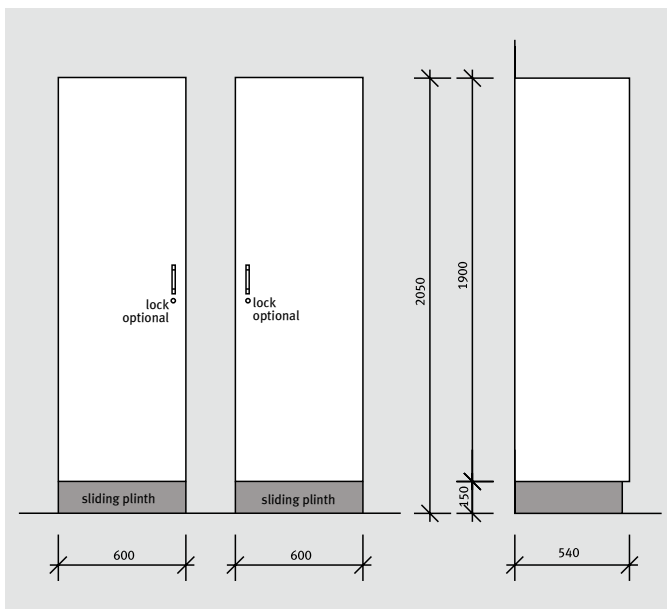
Display cabinet

Description	Article no.
display cabinet	
modular grid 900	
2 hinged doors	
2 glass sliding doors	891315
modular grid 1200	
2 hinged doors	
2 glass sliding doors	891316
espagnolette	933104
lock for glass sliding doors	933119



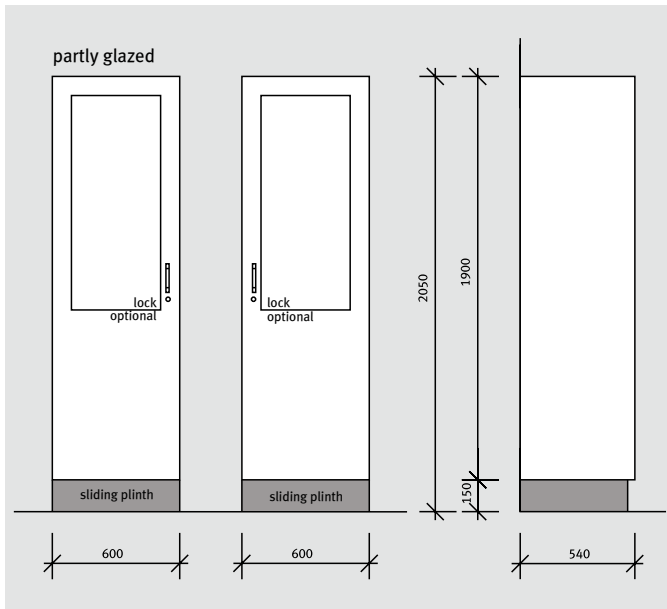
Display cabinet

Description	Article no.
display cabinet	
modular grid 900	
8 drawers	
2 glass sliding doors	891215
modular grid 1200	
8 drawers	
2 glass sliding doors	891216
lock for glass sliding doors	933119
central lock f. 4 drawers (CL)	2x 913103



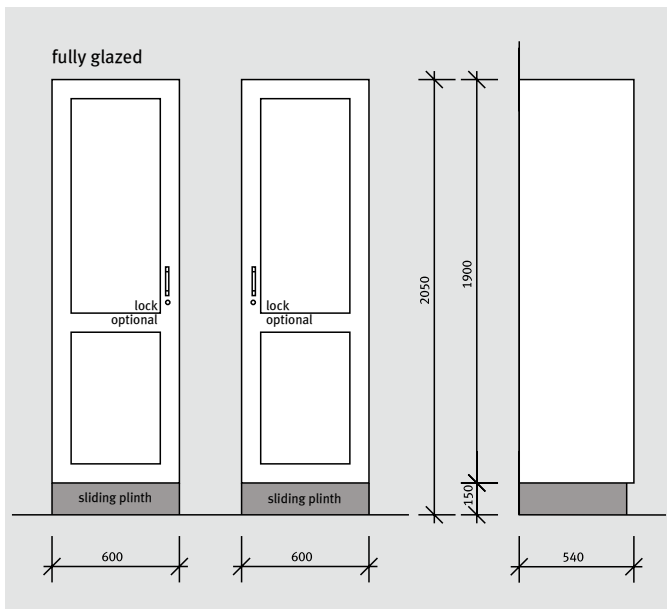
Cabinet with sliding plinth (skeleton cabinet)

Description	Article no.
cabinet with sliding plinth	
modular grid 600 hinged door, left	890313
modular grid 600 hinged door, right	890413
espagnolette	933104



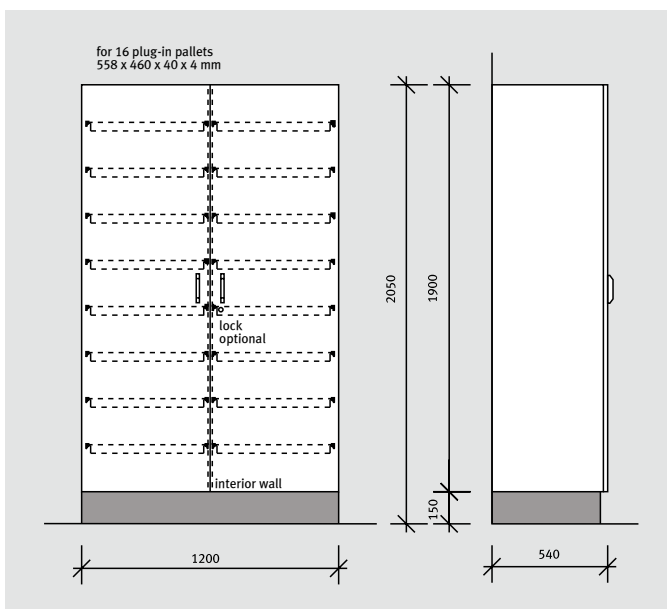
Cabinet with sliding plinth (skeleton cabinet)

Description	Article no.
cabinet with sliding plinth	
modular grid 600 hinged door, left	
partly glazed with float glass	890313+892013
partly glazed with safety glass	890313+892213
modular grid 600 hinged door, right	
partly glazed with float glass	890413+892013
partly glazed with safety glass	890413+892213
espagnolette	933104



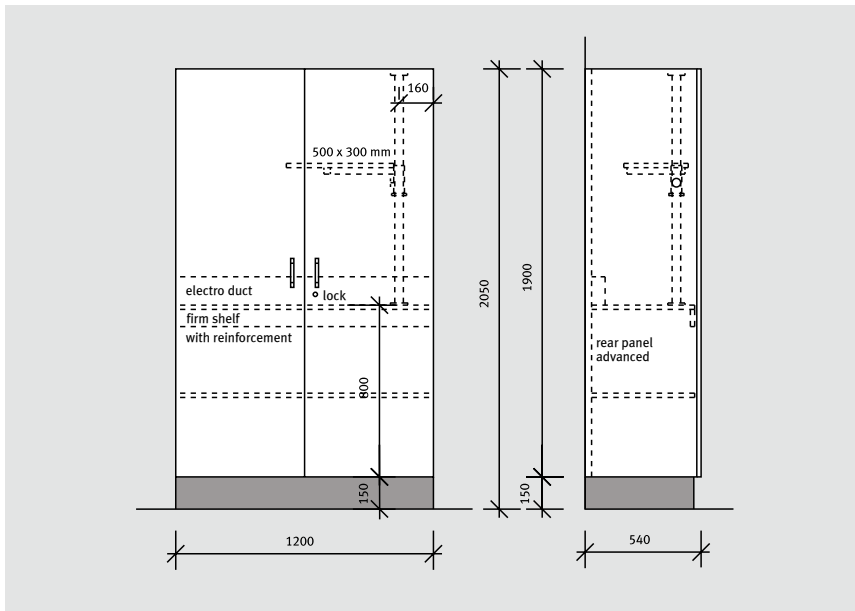
Cabinet with sliding plinth (skeleton cabinet)

Description	Article no.
cabinet with sliding plinth	
modular grid 600 hinged door, left	
fully glazed with float glass	890313+892113
fully glazed with safety glass	890313+892313
modular grid 600 hinged door, right	
fully glazed with float glass	890413+892113
fully glazed with safety glass	890413+892313
espagnolette	933104



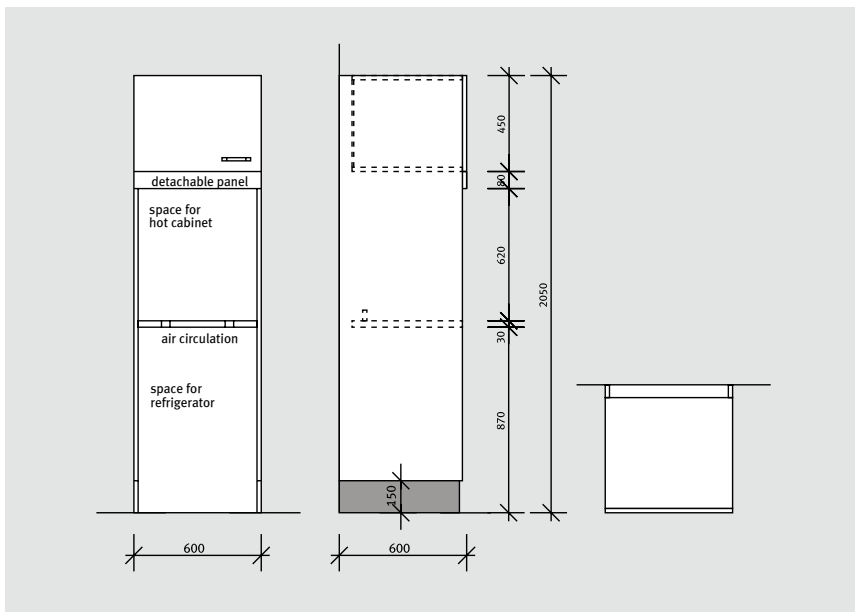
Pallet cabinet

Description	Article no.
pallet cabinet	
modular grid 1200	
for 16 plug-in pallets	892416
pallet 558 x 460 x 40 mm	16x 933239
espagnolette	933104



Projection cabinet

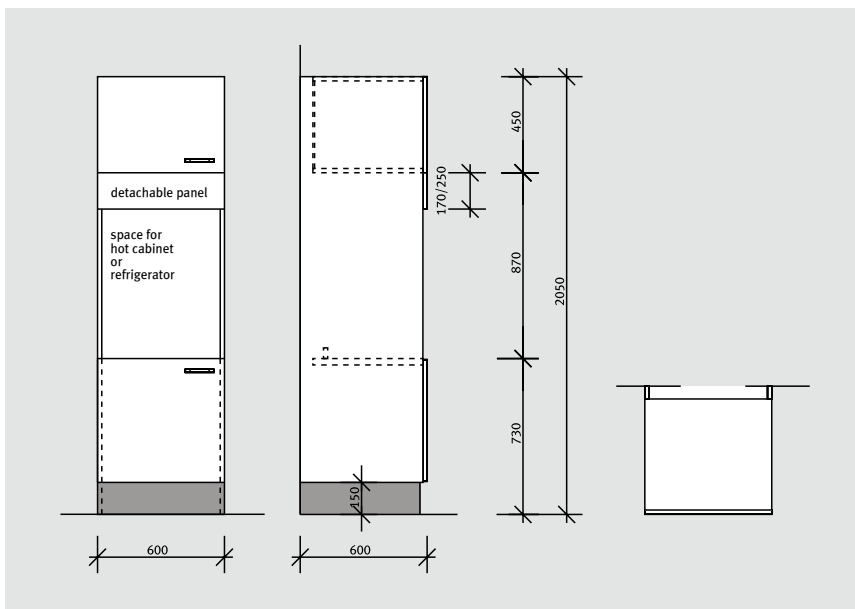
Description	Article no.
projection cabinet	
modular grid 1200	
1 firm shelf	
1 shelf	
1 projection device	
1 electro duct modular grid 1200	892516
electric fittings	
earthed socket 230 V	681001
remote control jack for projector	681013



Built-in instrument cabinet

Description	Article no.
built-in instrument cabinet	
modular grid 600	
for refrigerator and hot cabinet	
door left	892613
door right	892713
back lock	913101

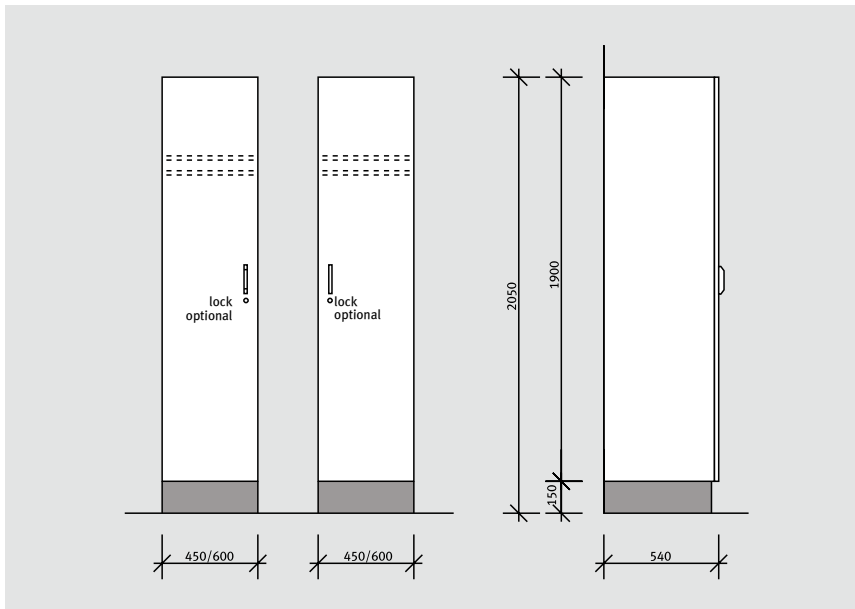
for built-in devices please see page 78



Built-in instrument cabinet

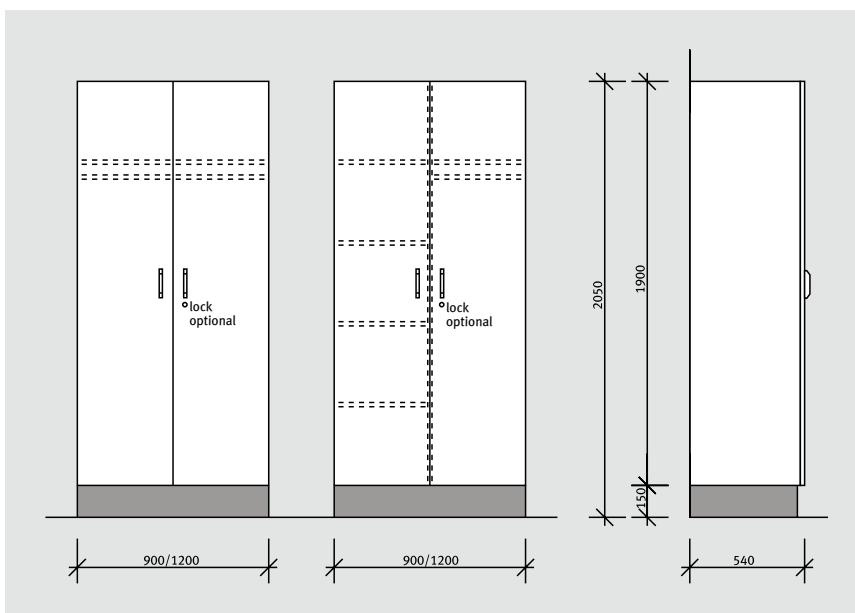
Description	Article no.
built-in instrument cabinet	
modular grid 600	
for refrigerator or	
hot cabinet	
1 shelf	
door left	892813
door right	892913
back lock	2x 913101

for built-in devices please see page 78



Wardrobe cabinet

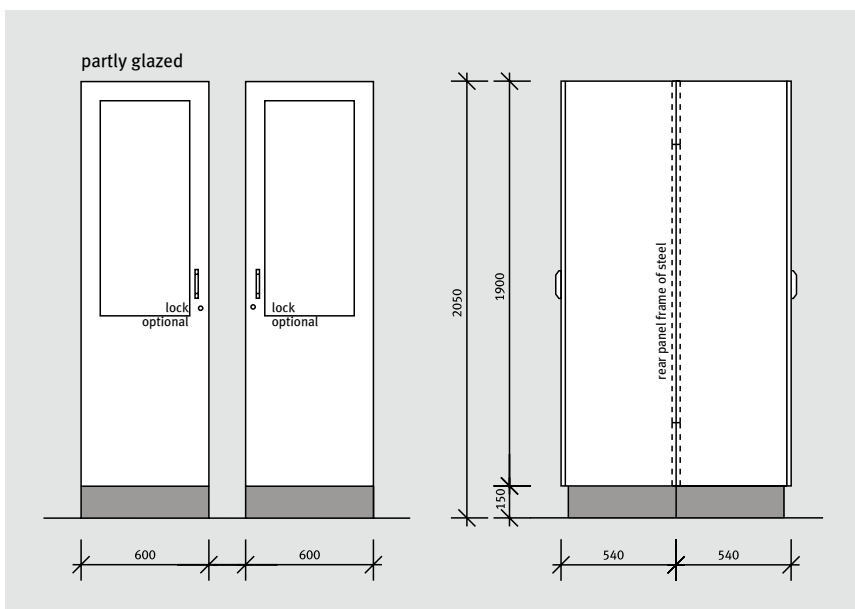
Description	Article no.
wardrobe cabinet	
1 wardrobe rod	
1 shelf	
modular grid 450 hinged door, left	811212
modular grid 450 hinged door, right	811112
modular grid 600 hinged door, left	811213
modular grid 600 hinged door, right	811113
espagnolette	933104



Wardrobe cabinet

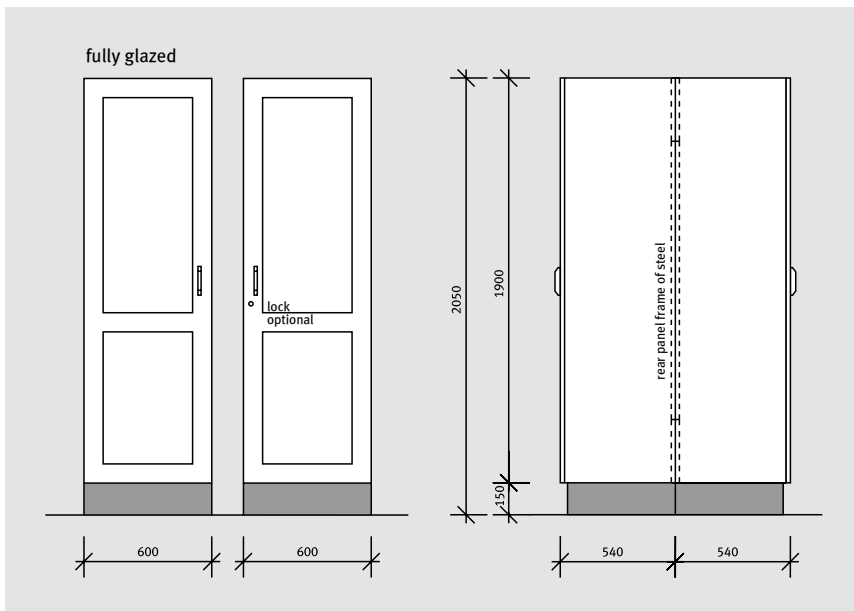
Description	Article no.
wardrobe cabinet	
1 wardrobe rod, 1 shelf	
modular grid 900 hinged doors	811815
modular grid 1200 hinged doors	811816
1 wardrobe rod, 5 shelves	
modular grid 900 hinged doors	811715
modular grid 1200 hinged doors	811716
espagnolette	933104

Cabinet blocks



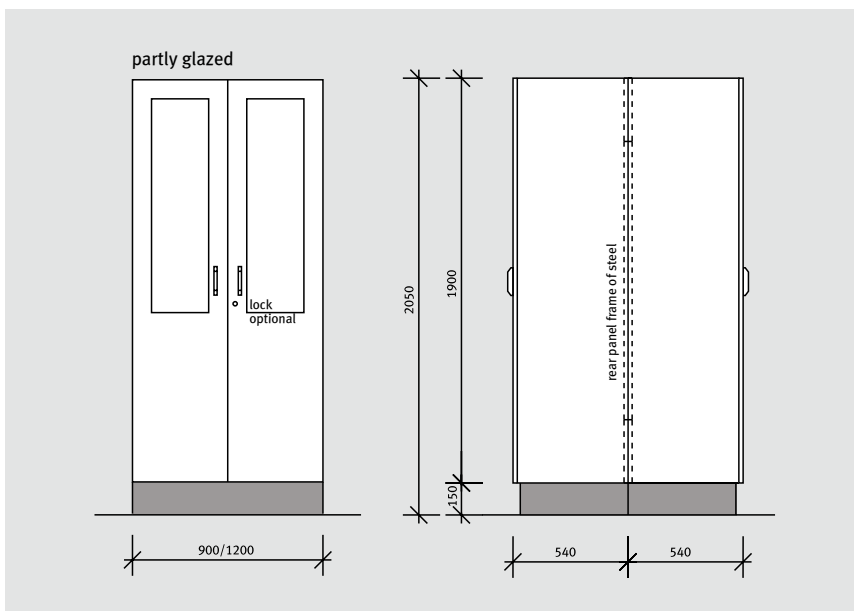
Cabinet block with rear panel frame

Description	Article no.
cabinet block	
with rear panel frame	
modular grid 600	
one hinged door on both sides	
partly glazed with float glass	893413+
	2x 892013
partly glazed with safety glass	893413+
	2x 892213
espagnolette	2x 933104



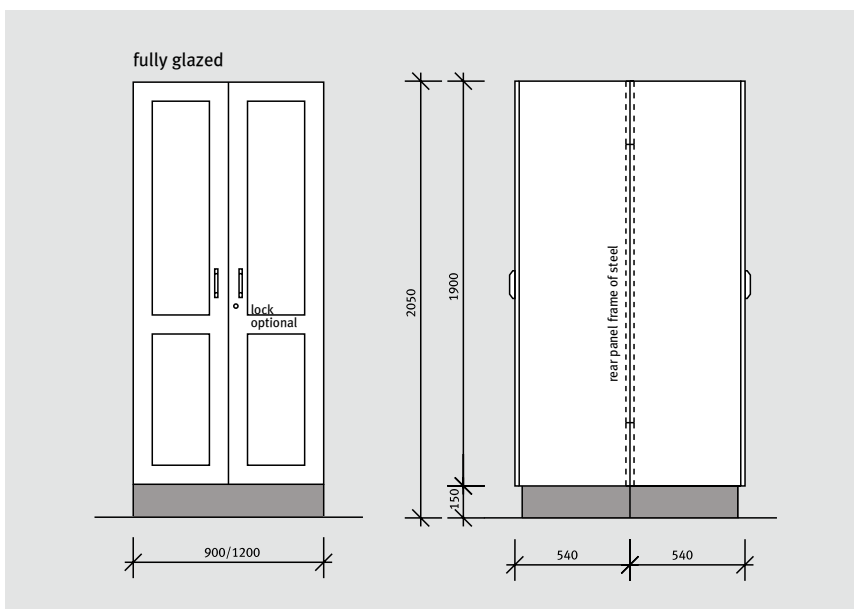
Cabinet block with rear panel frame

Description	Article no.
cabinet block	
with rear panel frame	
modular grid 600	
one hinged door on both sides	
partly glazed with float glass	893413+
	2x 892113
fully glazed with safety glass	893413+
	2x 892313
espagnolette	2x 933104



Cabinet block with rear panel frame

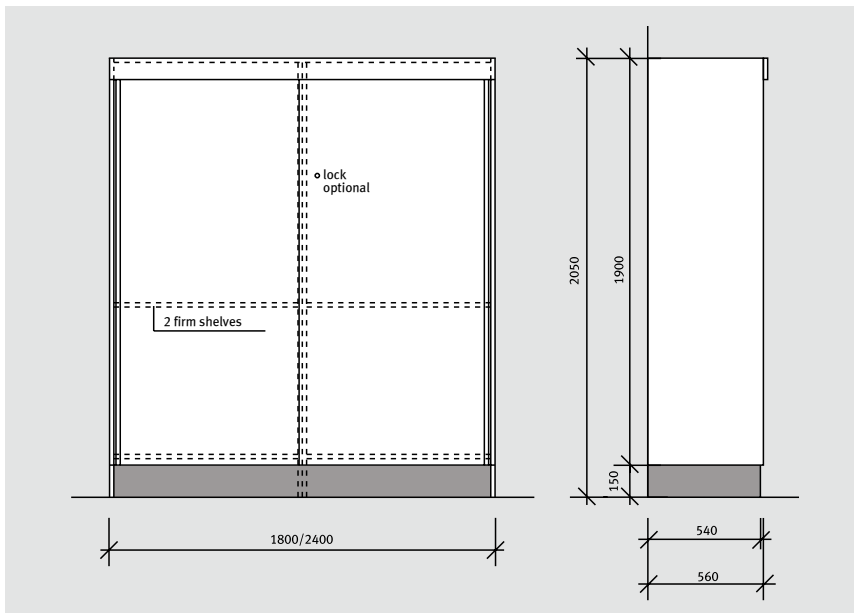
Description	Article no.
cabinet block	
with rear panel frame	
modular grid 900	
with two hinged doors on both sides	
partly glazed with float glass	893415+
	4x 892012
partly glazed with safety glass	893415+
	4x 892212
modular grid 1200	
with two hinged doors on both sides	
partly glazed with float glass	893416+
	4x 892013
partly glazed with safety glass	893416+
	4x 892213
espagnolette	2x 933104



Cabinet block with rear panel frame

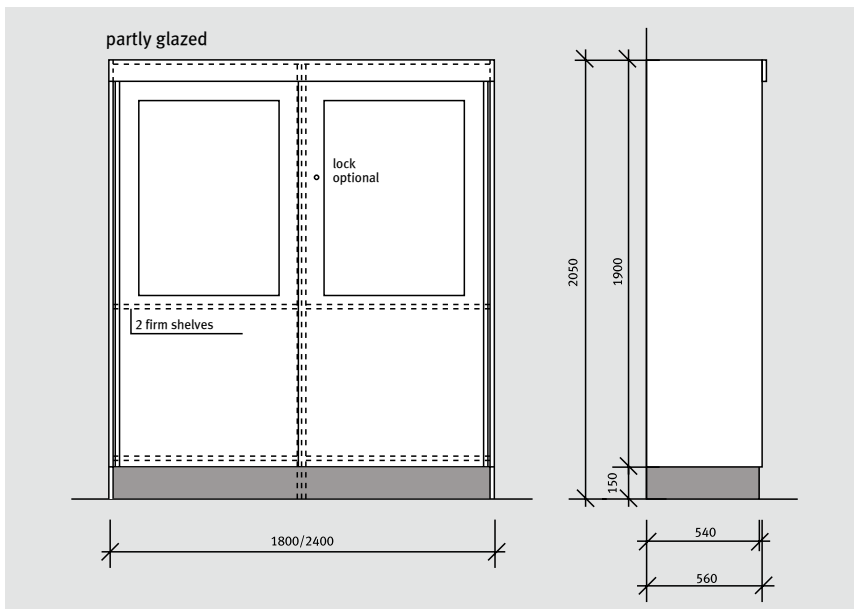
Description	Article no.
cabinet block	
with rear panel frame	
modular grid 900	
with two hinged doors on both sides	
fully glazed with float glass	893415+
	4x 892112
fully glazed with safety glass	893415+
	4x 892312
modular grid 1200	
with two hinged doors on both sides	
fully glazed with float glass	893416+
	4x 892113
fully glazed with safety glass	893416+
	4x 892313
espagnolette	2x 933104

Cabinets with sliding doors



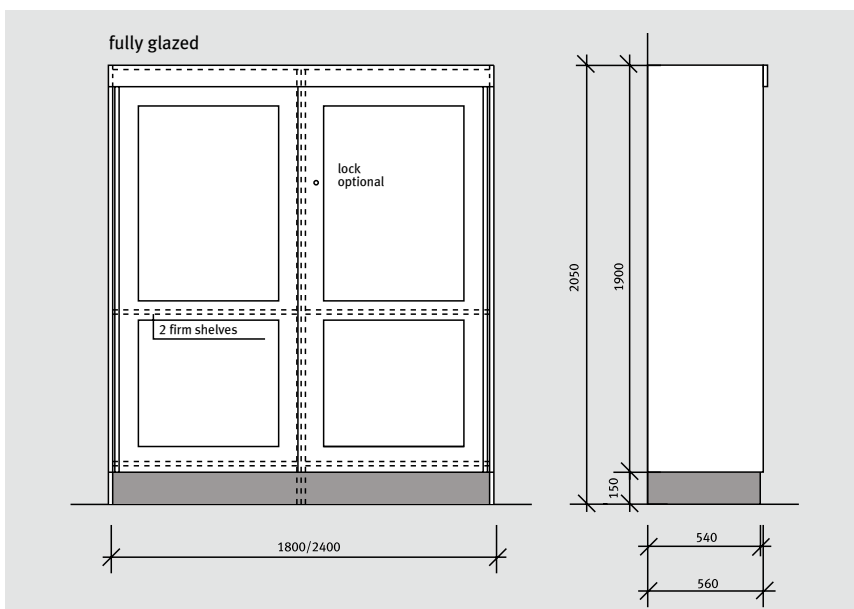
Cabinet with sliding doors

Description	Article no.
cabinet with sliding doors	
2 sliding doors	
1 centre wall	
2 firm shelves	
modular grid 1800	891617
modular grid 2400	891618
sliding door lock	933117



Cabinet with sliding doors

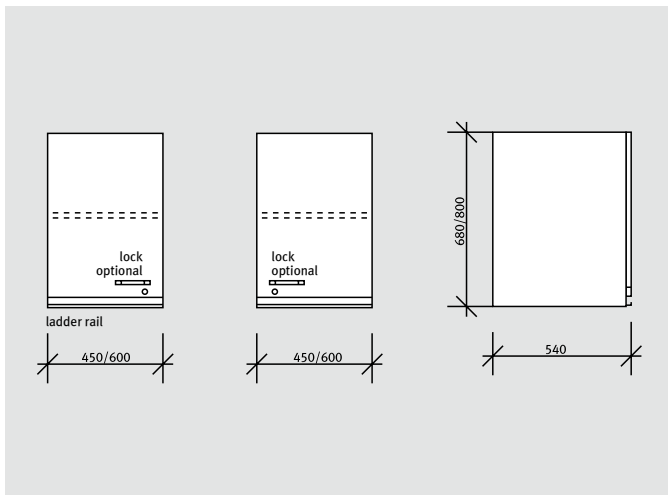
Description	Article no.
cabinet with sliding door	
2 sliding doors	
1 centre wall	
2 firm shelves	
modular grid 1800	
partly glazed with float glass	891617+
	2x 892015+
partly glazed with safety glass	891617+
	2x 892215
modular grid 2400	
partly glazed with float glass	891618+
	2x 892016
partly glazed with safety glass	891618+
	2x 892216
sliding door lock	933117



Cabinet with sliding doors

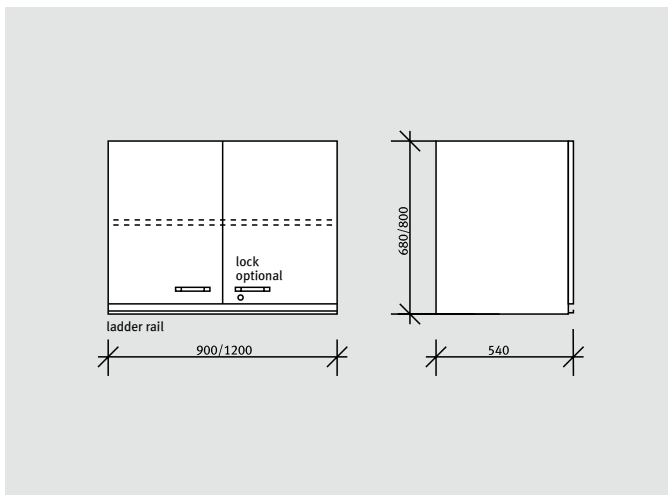
Description	Article no.
cabinet with sliding doors	
2 sliding doors	
1 centre wall	
2 firm shelves	
modular grid 1800	
fully glazed with float glass	891617+
	2x 892115
fully glazed with safety glass	891617+
	2x 892315
modular grid 2400	
fully glazed with float glass	891618+
	2x 892116
fully glazed with safety glass	891618+
	2x 892316
sliding door lock	933117

Top-mounted cabinets



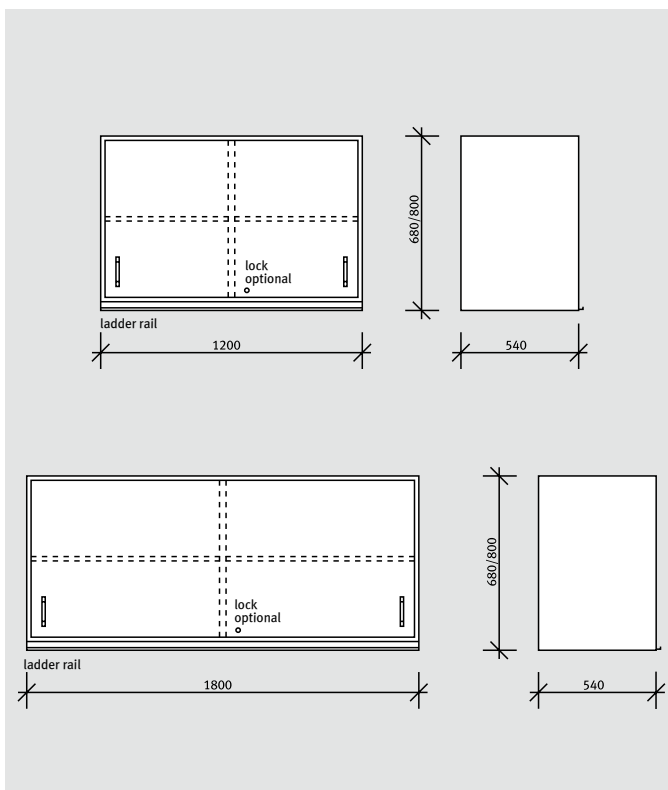
Top-mounted cabinet

Description	Article no.
top-mounted cabinet	
height 680 mm	
1 shelf	
modular grid 450 hinged door, left	883332
modular grid 450 hinged door, right	883432
modular grid 600 hinged door, left	883333
modular grid 600 hinged door, right	883433
height 800 mm	
1 shelf	
modular grid 450 hinged door, left	883342
modular grid 450 hinged door, right	883442
modular grid 600 hinged door, left	883343
modular grid 600 hinged door, right	883443
back lock	913101



Top-mounted cabinet

Description	Article no.
top-mounted cabinet	
height 680 mm	
1 shelf	
modular grid 900 hinged doors	883535
modular grid 1200 hinged doors	883536
height 800 mm	
1 shelf	
modular grid 900 hinged doors	883545
modular grid 1200 hinged doors	883546
espagnolette	913104



Top-mounted cabinet

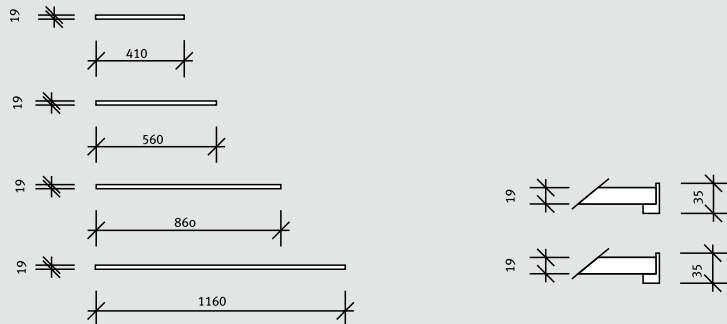
Description	Article no.
top-mounted cabinet	
height 680 mm	
modular grid 1200	883636
2 sliding doors	
1 shelf	
modular grid 1800	883637
2 sliding doors	
2 shelves	
height 800 mm	
modular grid 1200	883646
2 sliding doors	
modular grid 1800	883647
2 sliding doors	
2 shelves	
sliding door lock	933117



ladder rail

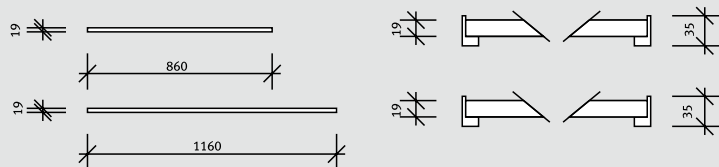
Cabinet equipment and accessories

Shelves 485 mm deep



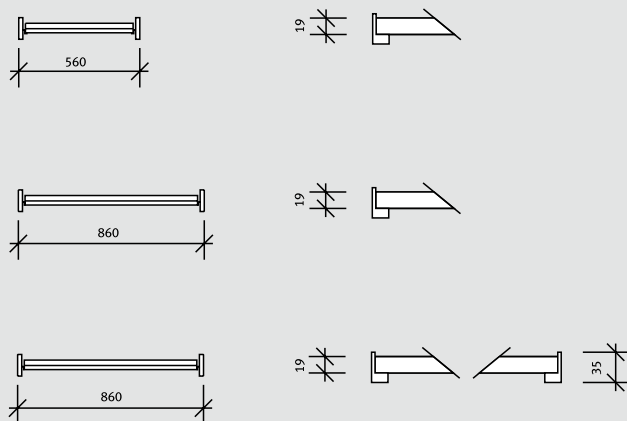
Description	Article no.
shelf	
modular grid 450 load capacity 60 kg	933201
modular grid 600 load capacity 60 kg	933202
modular grid 900 load capacity 60 kg	
front with aluminium reinforcement	933251
modular grid 1200 load capac. 60 kg	
front with aluminium reinforcement	933252

Shelves 485 mm deep



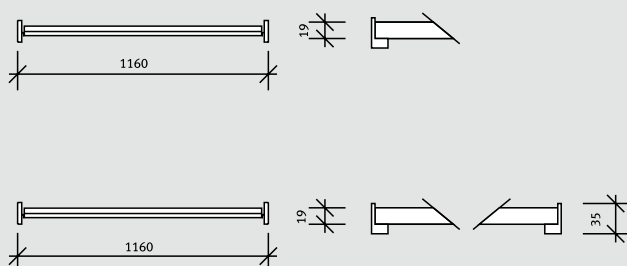
Description	Article no.
shelf	
modular grid 900 load capacity 80 kg	
front and rear with aluminium reinforcement	933253
modular grid 1200 load capac. 80 kg	
front and rear with aluminium reinforcement	933254

Drawer shelves

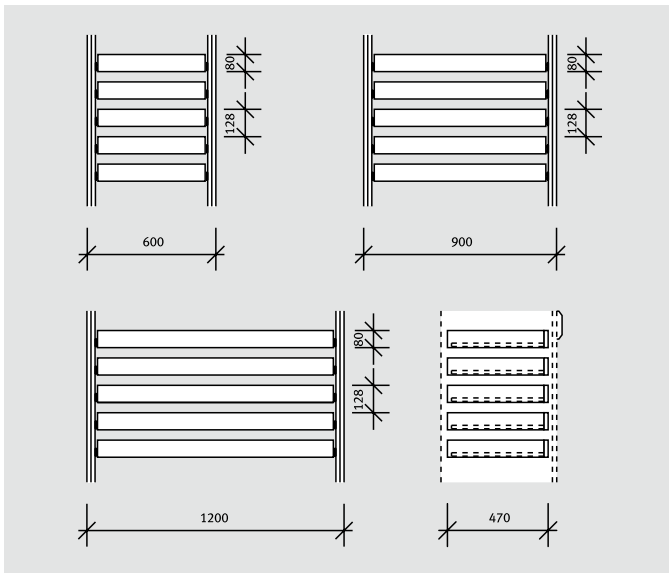


Description	Article no.
drawer shelf	
modular grid 600 load capacity 20 kg	
rear with aluminium reinforcement	933211
modular grid 600 load capacity 40 kg	
rear with aluminium reinforcement	933255
modular grid 900 load capacity 20 kg	
rear with aluminium reinforcement	933212
modular grid 900 load capacity 40 kg	
rear with aluminium reinforcement	933256
modular grid 900 load capacity 60 kg	
rear with aluminium reinforcement	933257
modular grid 900 load capacity 80 kg	
front and rear with aluminium reinforcement	933258

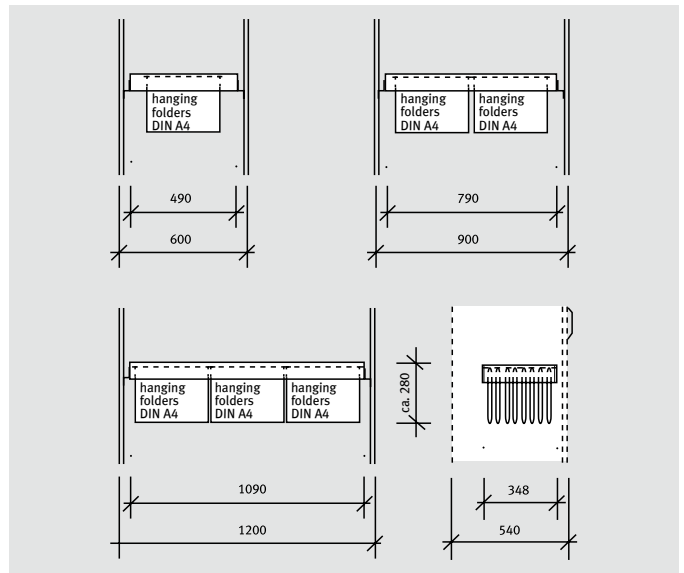
Drawer shelves



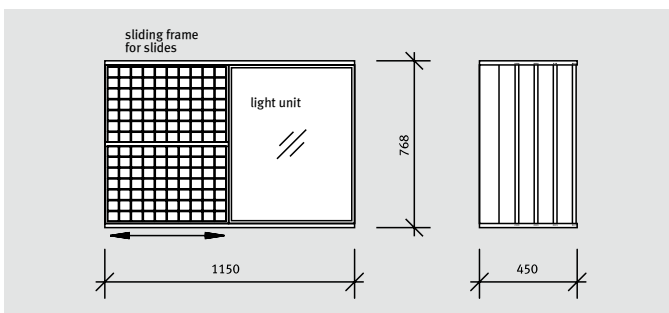
Description	Article no.
drawer shelf	
modular grid 1200 load capac. 20 kg	
rear with aluminium reinforcement	933207
modular grid 1200 load capac. 40 kg	
rear with aluminium reinforcement	933208
modular grid 1200 load capac. 60 kg	
rear with aluminium reinforcement	933209
modular grid 1200 load capac. 80 kg	
front and rear with aluminium reinforcement	933210



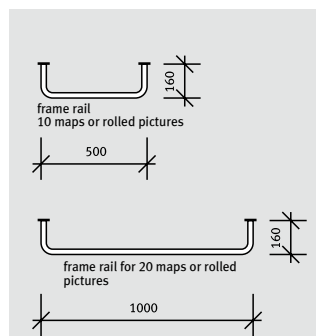
Description	Article no.
interior drawer for instrument cabinet	
modular grid 600	933010
modular grid 900	933011
modular grid 1200	933013



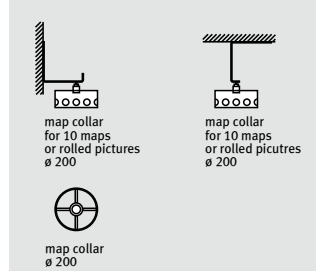
Description	Article no.
hanging folders for instrument cabinet	
modular grid 600	933223
modular grid 900	933224
modular grid 1200	933226



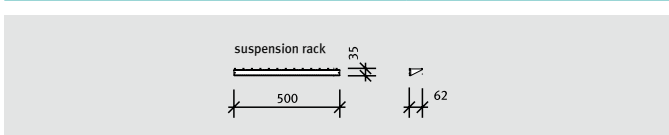
Description	Article no.
built-in archive for slides to be installed in instrument cabinet	
modular grid 1200	
equipped with 20 sliding frames for 126 small picture slides each (5 x 5 cm).	
illumination with fluorescent lamp to sift through the slides	930017



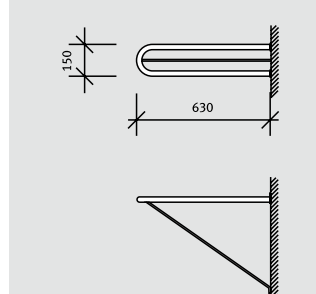
Description	Article no.
frame rail for maps to be installed in cabinets	
colour: light grey	
modular grid 600	
for 10 maps	950004
modular grid 1200	
for 20 maps	950002



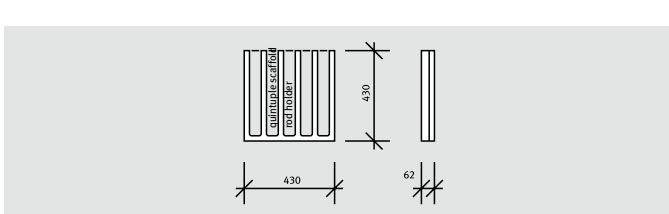
Description	Article no.
map collar to be installed in cabinets	
for 10 maps	
colour: light grey	950007



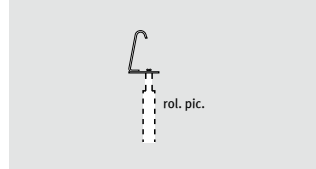
Description	Article no.
suspension rack for safety instrument leads	950003



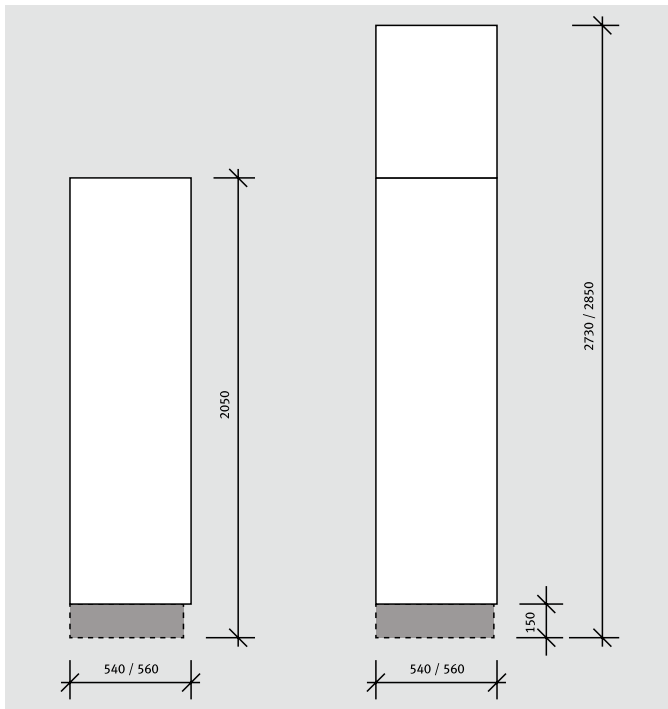
Description	Article no.
double beam for maps for wall installation	
for 20 maps	
colour: light grey	950001



Description	Article no.
scaffold rod holder of plastic with 5 compartments	920032

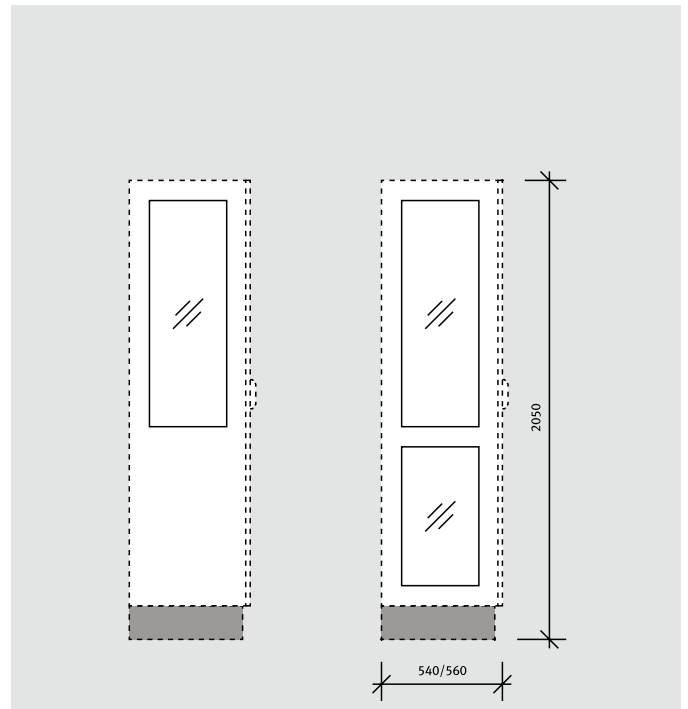


Description	Article no.
map suspension of galvanized steel to be suspended in map holder or map collar	933272



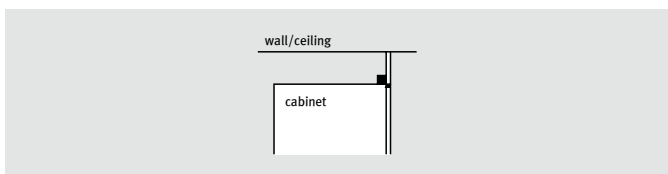
False edge cabinet exterior

Description	Article no.
false edge	
19 mm KF board with 2 mm PP edge	
height 2050	933241
height 2730	933249
height 2850	933242



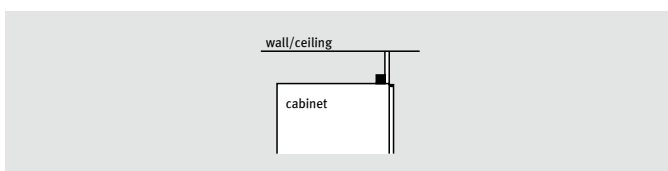
Glazing of side panels of instrument and collection cabinets

Description	Article no.
glazing for side panels	
partly glazed with float glass	933243
partly glazed with safety glass	933244
fully glazed with float glass	933245
fully glazed with safety glass	933246



Carcass-flush cabinet panels

Description	Article no.
carcass-flush cabinet panels	
19 mm KF board with 0.5 mm melamine edge	
panel size below 1 m ²	
1 m ² of panel	933014
panel size beyond 1 m ²	
1 m ² of panel	933015

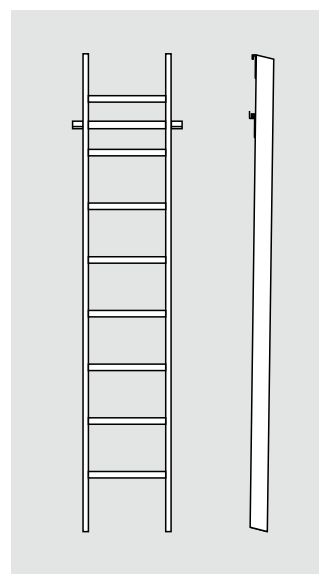


Front-flush cabinet panel

Description	Article no.
Front-flush cabinet panel	
19 mm KF board with 2 mm PP edge	
panel size below 1 m ²	
1 m ² of panel	933871
panel size beyond 1 m ²	
1 m ² of panel	933870

Visible rear wall

Description	Article no.
visible rear wall	
19 mm KF board with 2 mm PP edge	
size of rear wall beyond 1 m ²	
1 m ² of visible rear wall	933021



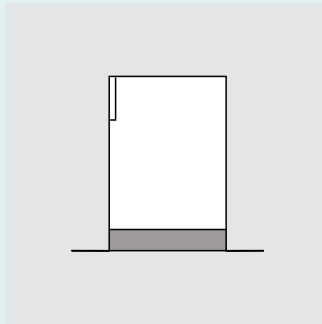
ladder parking rail

Extension ladder

Description	Article no.
extension ladder 8 steps	930003
ladder parking rail	930004

Laboratory appliances for cabinet inst.

refrigerator CFC/HFC-free

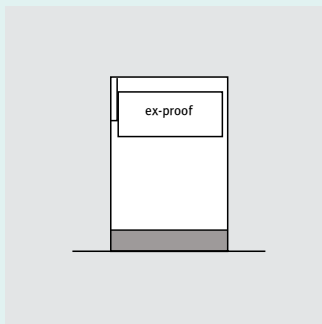


size H/W/D 850/554/623
to be installed in built-in instr. cabinets

for built-in instr. cabinets
please see page 70

Description	Article no.
refrigerator, CFC/HFC-free	
capacity ca. 150 l, defrosting automatism	
pure white body, interior light	
changeable door stop, front ventilation	993023
refrigerator with freezer compartment	
CFC/HFC-free	
capacity ca. 140 l, 18 l of which are a *** freezer compartment	
defrosting automatism, pure white body	
interior light, changeable door stop	
front ventilation	993025

refrigerator CFC/HFC-free

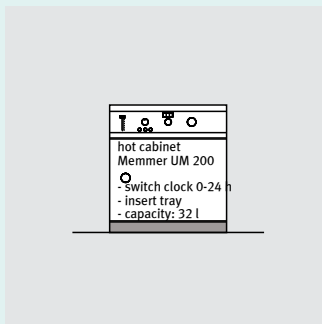


size H/W/D 850/554/623
to be installed in built-in instr. cabinets

for built-in instr. cabinets
please see page 70

Description	Article no.
refrigerator, CFC/HFC-free	
interior in ex-proof execution,	
free of ignition sources	
capacity ca. 150 l, defrosting automatism	
pure white body, changeable door stop	
front ventilation	993024
refrigerator with freezer compartment	
CFC/HFC-free	
interior in ex-proof execution,	
free of ignition sources	
capacity ca. 140 l, 18 l of which are a *** freezer comp.	
defrosting automatism, pure white body	
changeable door stop	
front ventilation	993026

hot and dry cabinet

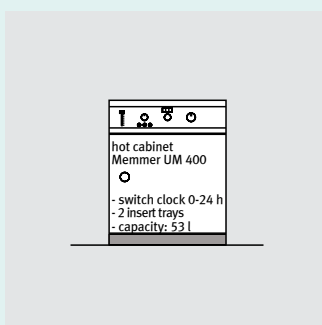


size H/W/D 600/550/400
to be installed in built-in instr. cabinets

for built-in instr. cabinets
please see page 70

Description	Article no.
hot and dry cabinet	
body of stainless steel 1.4301	
electro-mechanic temperature control	
with calibrated selection scale	
signal lamp for operational mode	
digital temperature display (LED) with	
excess temperature control acc. to DIN 12880	
protection class 3.1, temperature range from 30 to 250 °C	
switch clock from 0 to 24 h	
1 insert tray, capacity 32 l	
electric supply 230 V, 1100 W	994004

hot and dry cabinet

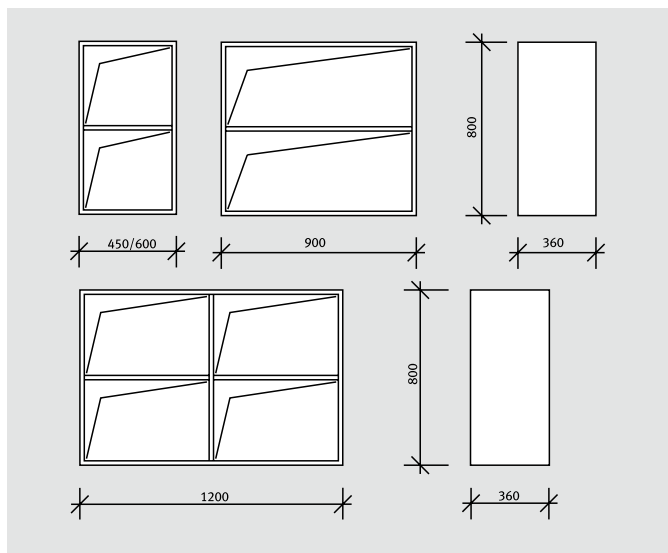


size H/W/D 600/550/400
to be installed in built-in instr. cabinets

for built-in instr. cabinets
please see page 70

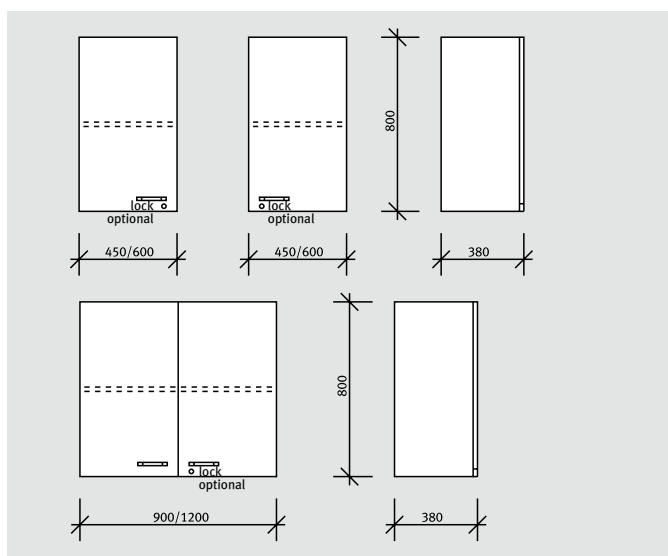
Description	Article no.
hot and dry cabinet	
body of stainless steel 1.4301	
electro-mechanic temperature control	
with calibrated selection scale	
signal lamp for operational mode	
digital temperature display (LED) with	
excess temperature control acc. to DIN 12880	
protection class 3.1, temperature range from 30 to 250 °C	
switch clock from 0 to 24 h	
2 insert trays, capacity 53 l	
electric supply 230 V, 1400 W	994005

Wall cabinets



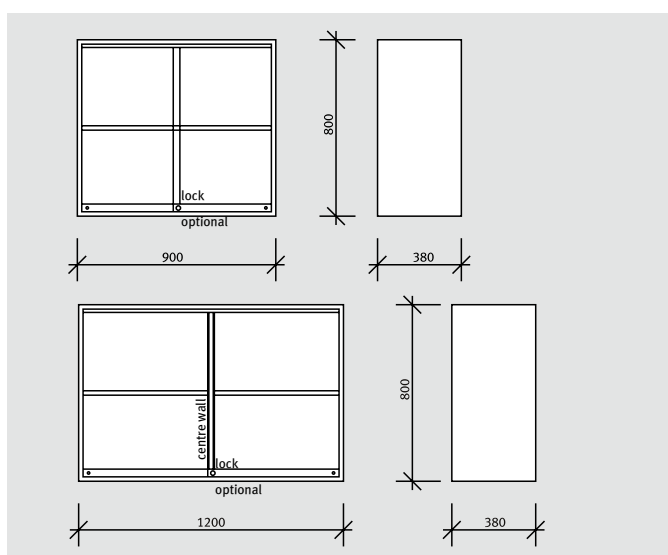
Description	Article no.
wall shelf	
modular grid 450	
1 shelf	880042
modular grid 600	
1 shelf	880043
modular grid 900	
1 shelf	880045

wall shelf	
modular grid 1200	
2 shelves	
with centre wall	880046

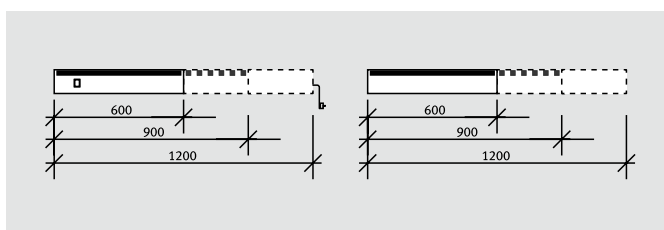


Description	Article no.
wall cabinet	
modular grid 450 hinged door, left	
1 shelf	880142
modular grid 450 hinged door, right	
1 shelf	880242
modular grid 600 hinged door, left	
1 shelf	880143
modular grid 600 hinged door, right	
1 shelf	880243
back lock	913101

Wall cabinet	Article no.
modular grid 900 hinged doors	
1 shelf	881545
modular grid 1200 hinged doors	
2 shelves with centre wall	881546
espagnolette	913104



Description	Article no.
wall cabinet	
modular grid 900, 1 shelf	
with glass sliding door (float glass)	840745
with glass sliding door (safety glass)	840747
modular grid 1200, 2 shelves with centre wall	
with glass sliding doors (float glass)	841146
with glass sliding doors (safety glass)	841147
lock glass sliding doors	933119



Furniture lamps in aluminium body compact construction, antiglare light

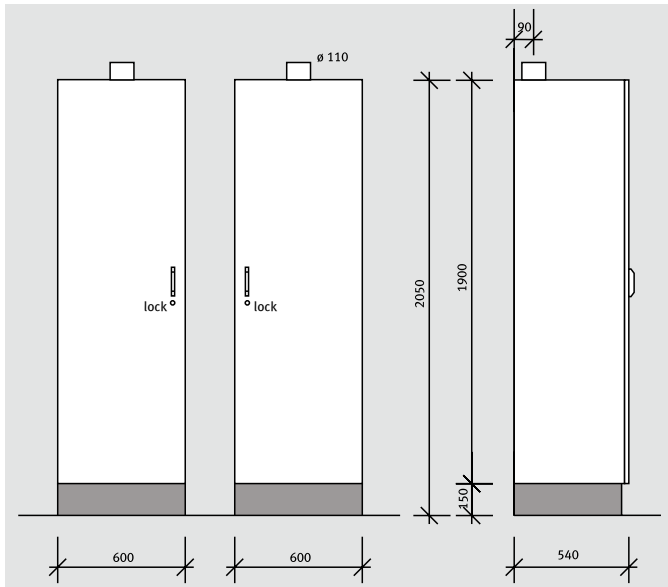
Description	Article no.
furniture lamps	
initial lamps with switch	
and connection line with earthed socket	
modular grid 600, 13 watt	930035
modular grid 900, 16 watt	930036
modular grid 1200, 38 watt	930037
sequence lights	
modular grid 600, 13 watt	930031
modular grid 900, 16 watt	930032
modular grid 1200, 38 watt	930033



Safety cabinets

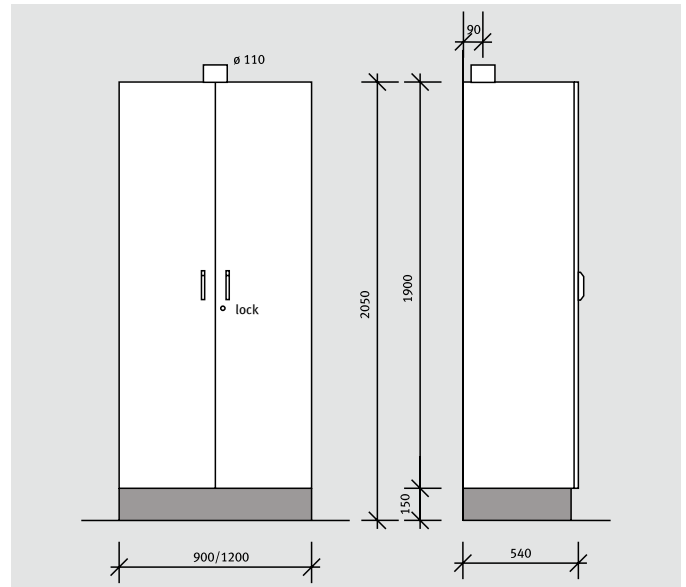
Safety cabinets are used for a correct storage of chemical substances, poisons, liquid and firm hazardous goods and of gases. We offer a solution for each application.





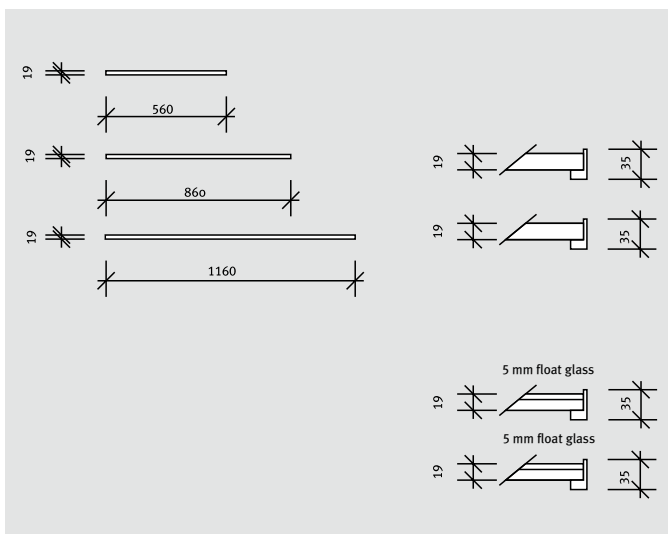
Chemicals cabinet

Description	Article no.
chemicals cabinet	
1 extract air spigot DN110	
1 espagnolette	
modular grid 600 hinged door, left	832813
modular grid 600 hinged door, right	831813



Chemicals cabinet

Description	Article
chemicals cabinet	
1 extract air spigot DN110	
1 espagnolette	
modular grid 900 hinged doors	831915
modular grid 1200 hinged doors	831916

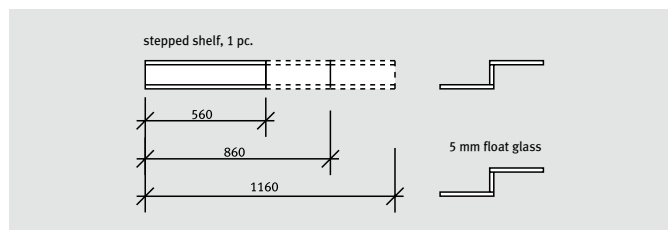


Shelves 485 mm deep

Description	Article no.
shelf	
modular grid 600 load capacity 60 kg	933202
modular grid 900 load capacity 60 kg	
front with aluminium reinforcement	933251
modular grid 1200 load capacity 60 kg	
front with aluminium reinforcement	933252

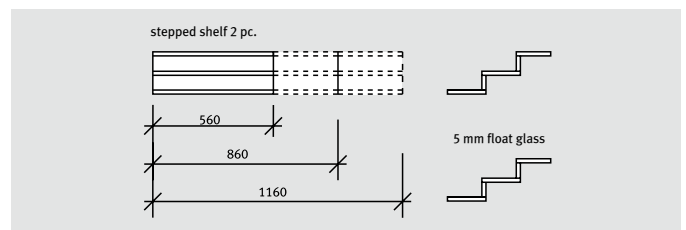
Shelves 485 mm deep with glass support

Description	Article no.
shelf with glass support	
modular grid 600 load capacity 60 kg	933267
modular grid 900 load support 60 kg	
front with aluminium reinforcement	933268
modular grid 1200 load support 60 kg	
front with aluminium reinforcement	933269



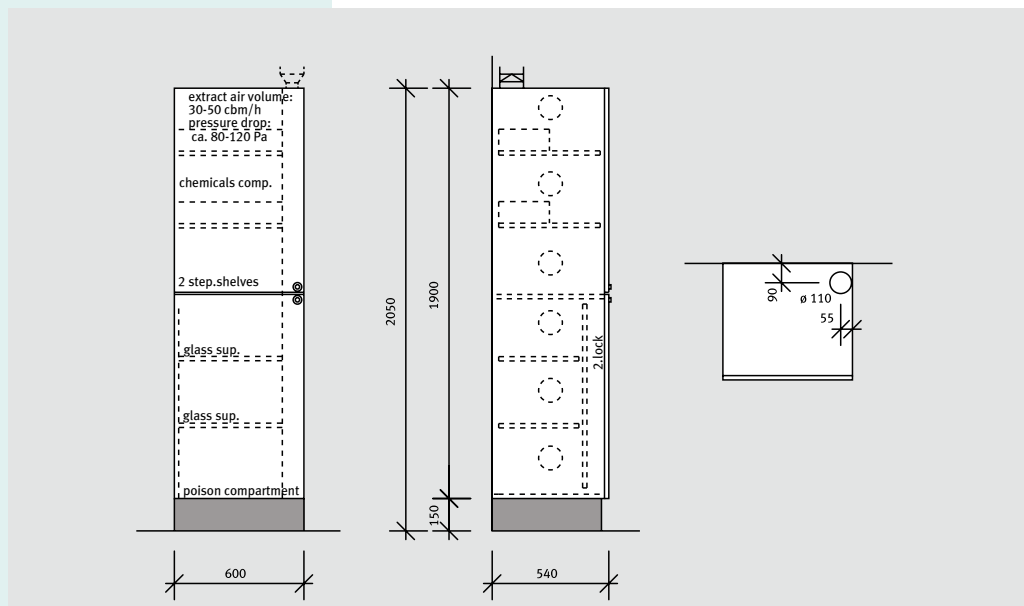
Stepped shelf, 1 step

Description	Article
stepped shelf 1 step	
modular grid 600	933259
modular grid 900	933260
modular grid 1200	933213
stepped shelf 1 step with glass support	
modular grid 600	933247
modular grid 900	933263
modular grid 1200	933248



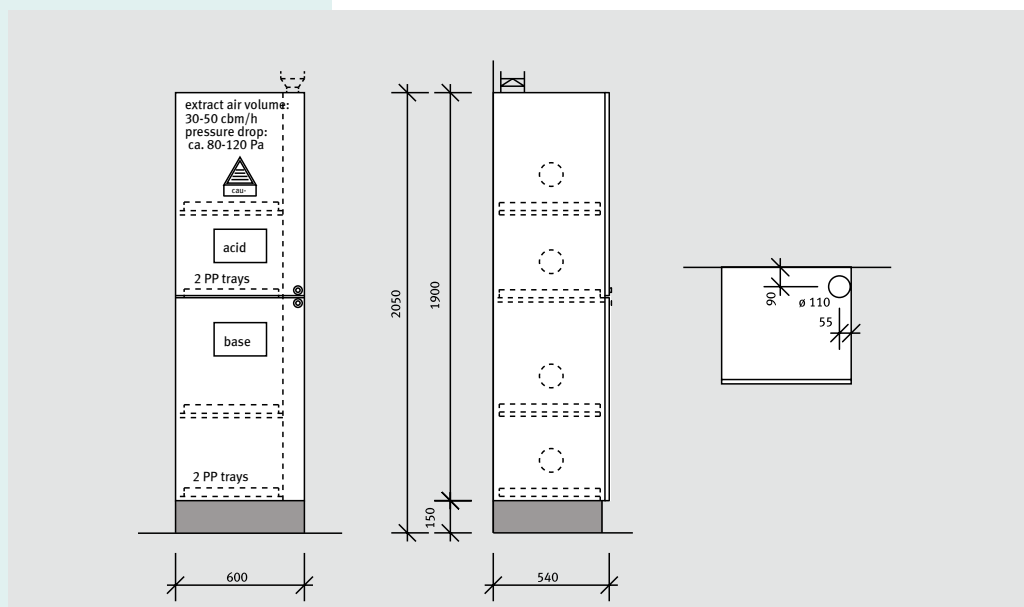
Stepped shelf 2 steps

Description	Article no.
stepped shelf 2 steps	
modular grid 600	933261
modular grid 900	933262
modular grid 1200	933214
stepped shelf 2 steps with glass support	
modular grid 600	933265
modular grid 900	933266
modular grid 1200	933250



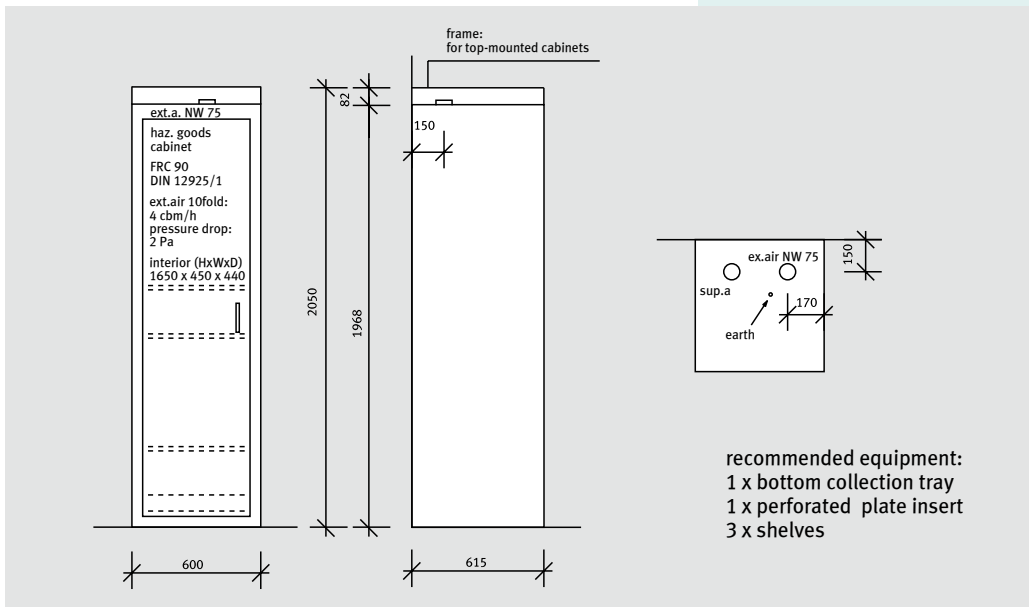
Chemicals and poison cabinet

Description	Article no.
chemicals and poison cabinet	
modular grid 600	
top as chemical compartment with 2 stepped shelves	
bottom as poison compartment with 2 shelves and glass cover	
poison cabinet with separate lock, incl. extract air spigot	
door left	832213
door right	831213



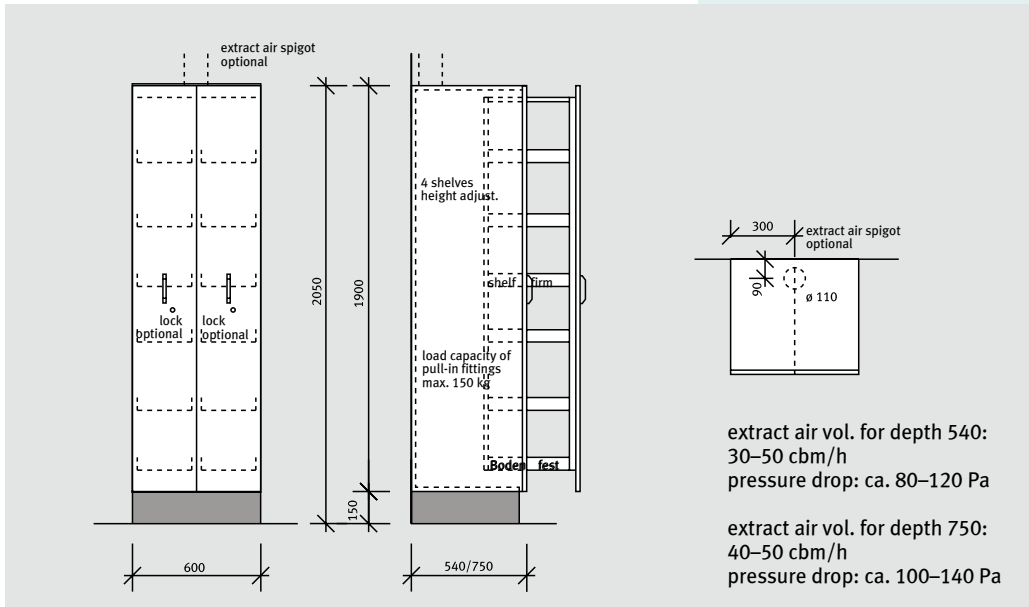
Acid and base cabinet

Description	Article no.
Acid and base cabinet	
modular grid 600	
top as acid compartment with 2 polypropylene trays on roller guide tracks,	
bottom as base compartment with 2 polypropylene trays	
on roller guide tracks, incl. extract air spigot	
door left	832413
door right	831413
additional PP tray incl. roller guide track	920034
replacement PP tray	920039



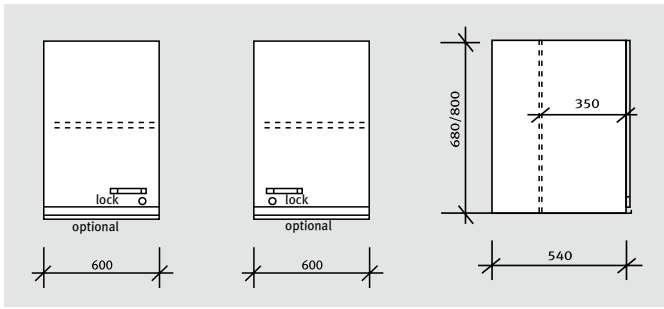
Hazardous goods cabinet FRC 90

Description	Article. no
hazardous goods cabinet FRC 90	
acc. to DIN 12925-1 and test arrangements of prEN 14470-1 (7/2003)	
incl. door stopping device	
modular grid 600 hinged door, left	838800
modular grid 600 hinged door, right	838866
bottom collection tray of coated sheet steel	838810
perforated plate insert of coated sheet steel	838812
shelf of coated sheet steel	838814



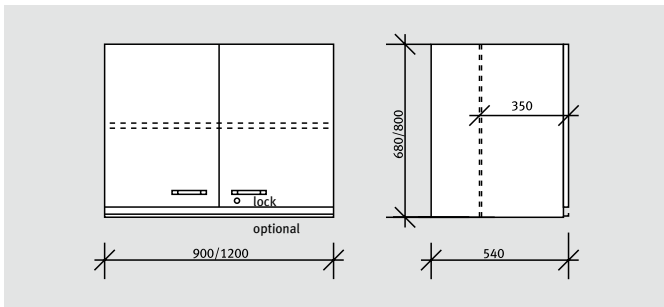
Pull-in cabinet

Description	Article no.
pull-in cabinet	
modular grid 600	
2 pull-ins with 4 adjustable and 2 firm shelves each	
shelves with system profile to fix small dividing boards	
depth 540 mm	813613
depth 750 mm	813623
partitioning of pull-in cabinet containing 1 small dividing board, 2 holders	933218
extract air spigot NW 100	930012
back lock	913101



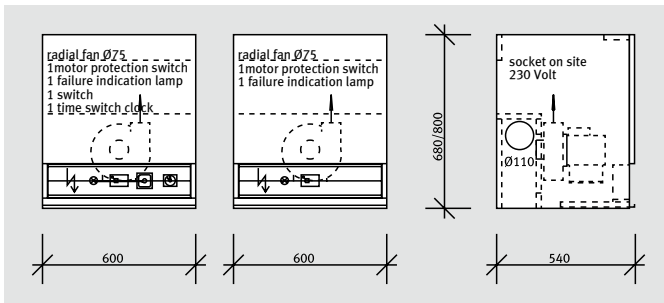
Top-mounted cabinet

Description	Article no.
top-mounted cabinet	
with advanced rear wall	
for extracted cabinets	
1 shelf	
height 680 mm	
modular grid 600 hinged door left	883833
modular grid 600 hinged door right	883933
height 800 mm	
modular grid 600 hinged door left	883843
modular grid 600 hinged door right	883943
back lock	913101



Top-mounted cabinet

Description	Article no.
top-mounted cabinet	
with advanced rear wall	
for extracted cabinets	
1 shelf	
height 680 mm	
modular grid 900 hinged doors	884035
modular grid 1200 hinged doors	884036
height 800 mm	
modular grid 900 hinged doors	884045
modular grid 1200 hinged doors	884046
espagnolette	913104



extraction capacity is 25 m³/h at a pressure difference from 230 Pa to 125 m³/h with a pressure difference of 80 Pa.

Extract air device

Description	Article no.
extract air device consisting of	
top-mounted cabinet modular grid 600	
radial fan, 230 V AC, 60 w	
motor protection switch, failure indication lamp	
connection line with earthed socket	
height 680 mm	839933
height 800 mm	839943
extract air device consisting of:	
top-mounted cabinet modular grid 600	
radial fan, 230 V AC, 60 w	
motor protection switch, failure indication lamp	
time switch clock for interval operation, on-off switch	
connection line with earthed socket	
height 680 mm	839833
height 800 mm	839843

A clean business

The fume cupboards enable a vivid and safe presentation of chemical reactions in front of the students. Steams and gases are removed silently.





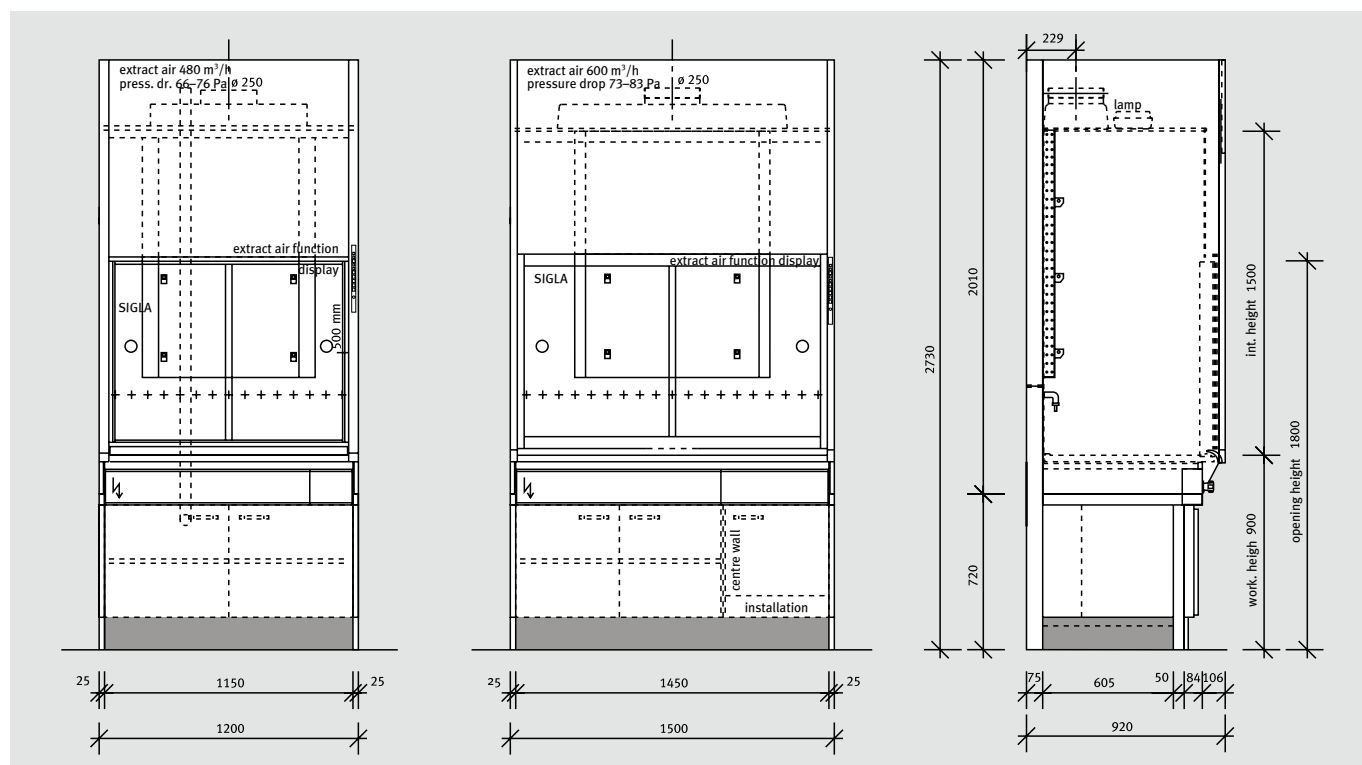
Bench-mounted fume cupboards

The fume cupboard consists of a self-supporting metal frame construction, a fitting frame of aluminium, aerodynamic overflow profiles, a front sash of aluminium and of laminated safety glass with 2 cross slides and an integrated anti-fall device, as well as a sash stop at an opening height of 500 mm. The interior is coated with melamine resin, rear wall and top are made of a solid phenolic resin board. 4 scaffold rod holders of polyamide, fluorescent lamps 65 w to illuminate the interior.



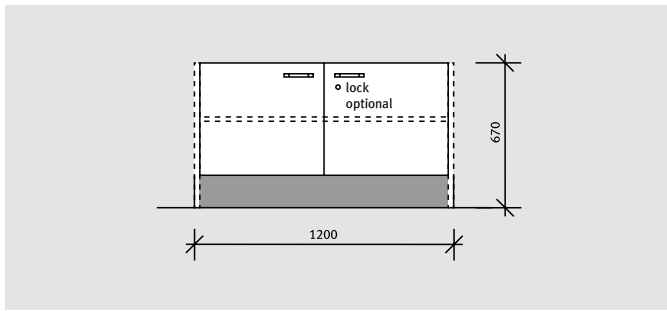
Bench-mounted fume cupboard acc. to DIN EN 14175

Description	Article no.
bench-mounted fume cupboard	
modular grid 1200	510056e+511916e
modular grid 1500	510057e+511917e



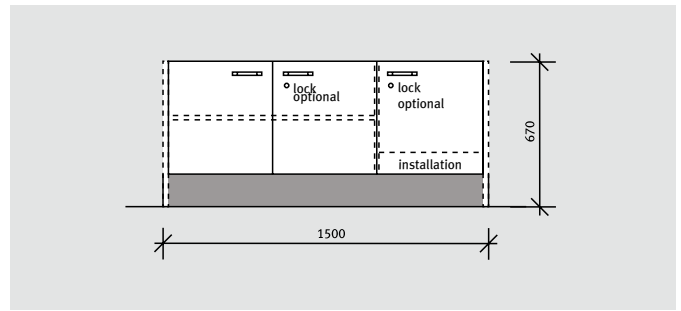
fume cupboard function display

Description	Article no.
fume cupboard function display	
display/operational device integrated into the fume cupboard pilaster strip	
display exhaust air: normal (green) / too low (red) / too high (green flashing)	
display sash: sash beyond opening height of 500 mm (yellow)	
extinguishable warning signal in case of falling below the normal extract air volume and position of sash beyond opening height of 500 mm;	
Service interval display (green flashing), service jack;	
foil switch on/off for illumination in fume cupboard, back-up battery	593001e



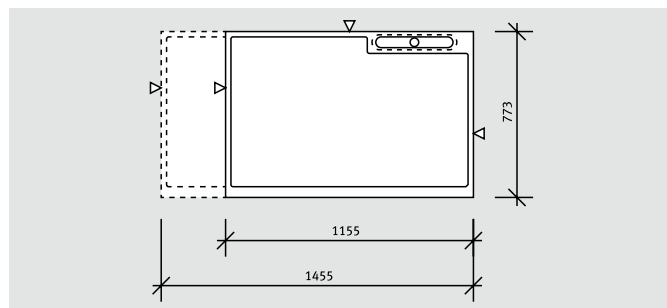
Underbench unit for bench-mounted fume cupboards

Description	Article no.
underbench unit	
2 hinged doors	
1 firm centre wall	
1 shelf	
1 installation compartment	
1 support with plinth	
modular grid 1200	822646



Underbench unit for bench-mounted fume cupboards

Description	Article no.
underbench unit	
3 hinged doors	
1 firm centre wall	
1 shelf	
1 installation compartment	
1 support with plinth	
modular grid 1500	822647



Worktop for bench-mounted fume cupboards

Description	Article no.
fine stoneware worktop	
integrally formed aerodynamic rim	
1 drip cup 395 x 70 x 95 mm	
with waste water protection	
modular grid 1200	
modular grid 1500	590146

Underbench extraction

The underbench extraction contains an extract air duct DDN 50 that is connected to the underbench unit and is routed to the top of the fume cupboard.

Description	Article no.
underbench extraction	
to ventilate the underbench unit	596004e

Panelling

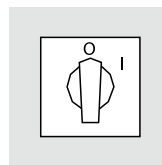
Panelling above fume cupboard of 19 mm KF board with melamine resin edge, in visible area with 2 mm PP edge.

Description	Article no.
panelling	
1 m ²	595301

Sanitary fittings for fume cupboards

Description	Article no.
remote control valve for water with outlet nozzle	592001
remote control tap for gas with outlet nozzle	592019
remote control tap for gas with stop coupling	592019K

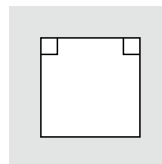
Electric fittings



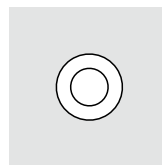
Application	Description	Article no.
circuit extract air	switch with built-in motor protection, 3 poles	621011



Application	Description	Article no.
- circuit extract air	dual pressure	
- circuit gas	button	
	1 on button	
	1 control lamp	
	1 off button	621012



Application	Description	Article no.
power supply	earthed socket 230 V/16 A with flap cover	621001



Application	Description	Article no.
emergency cutout distributor	emergency stop	
experimenting		
		681034

Hatch fume cupboard

Fume cupboard set-up incl. underbench unit, 2 fitting frames of aluminium, 2 sashes of aluminium and laminated safety glass with 2 cross slides and an integrated anti-fall device, melamine resin coated interior, rear wall and top made of solid phenolic resin board. One darkening slide on each side.

Fluorescent lamp 65 w to illuminate the interior. Modular grid of underbench unit 1200 with 2 hinged doors on each side,

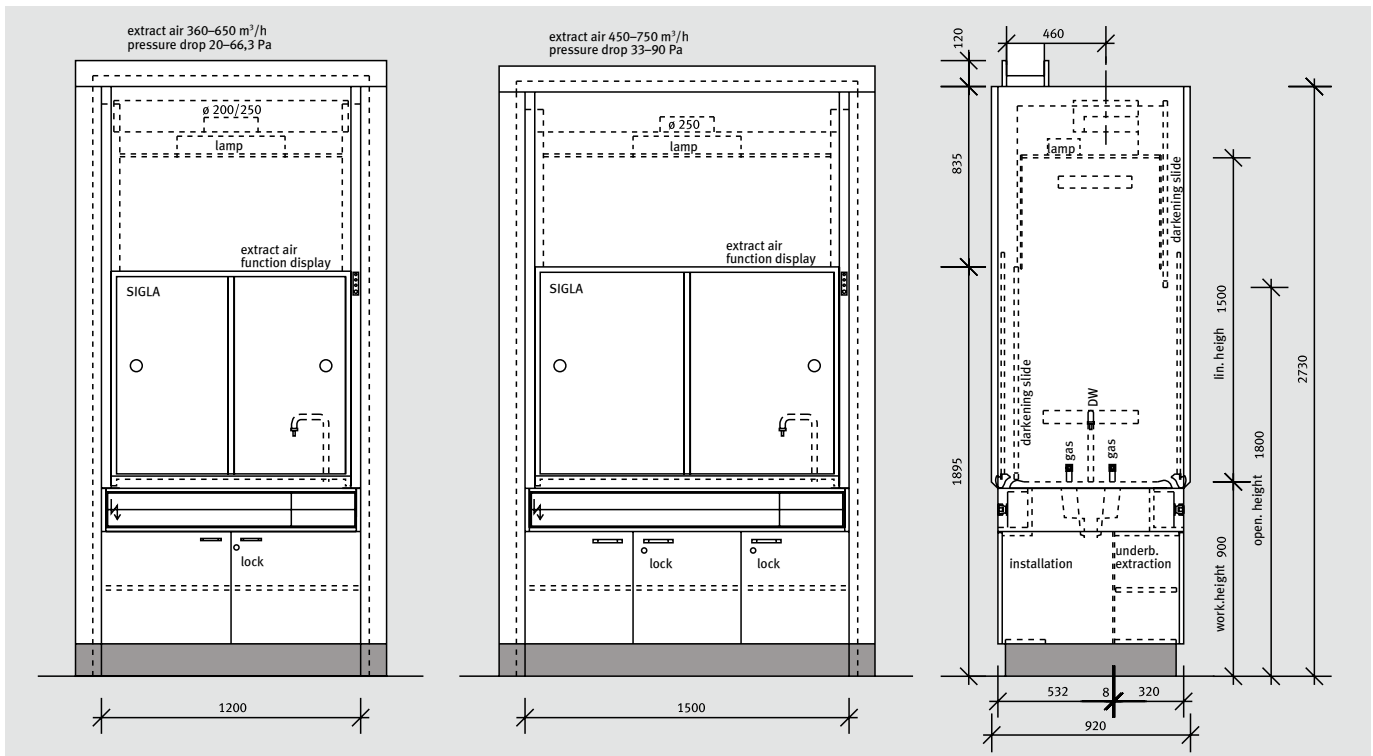
modular grid 1500 with 3 hinged doors on each side, training room side as installation compartment, preparation room side as storage compartment with shelf, doors with cylinder lock, integrated underbench extraction when fume cupboard is working.



View with completely open sash and half open darkening slide



View with closed sash and darkening slide open from the operational side

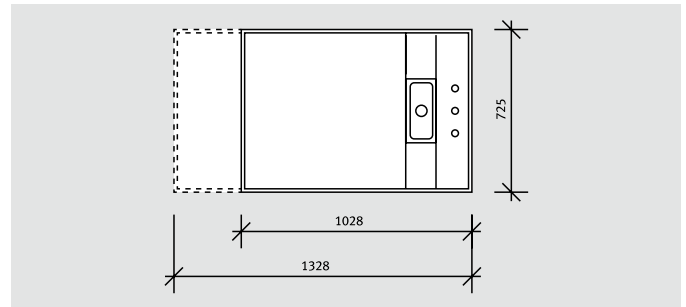
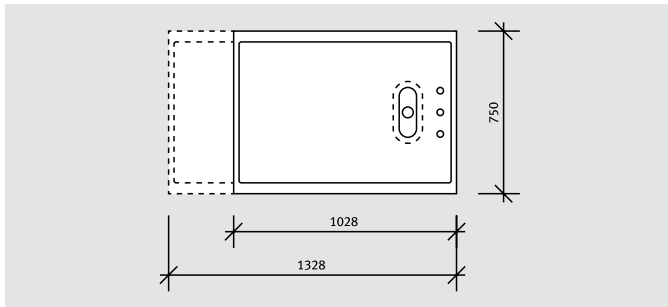


Hatch fume cupboard acc. to DIN 12924-3

Description	Article no.
hatch fume cupboard	
modular grid 1200	570156
modular grid 1500	570157

Fume cupboard function display

Description	Article no.
display/operational unit integrated into the fume cupboard pilaster strip	
display extract air: normal (green) / too low (red) / too high (yellow)	
extinguishable warning signal in case of falling below the normal extract air volume	
service jack, back-up battery	593001



Worktop for bench-mounted fume cupboards

Description	Article no.
fine stoneware worktop	
integrally formed aerodynamic rim	
1 drip cup 285 x 135 x 120 mm	
with waste water protection	
modular grid 1200	591646
modular grid 1500	591647

Worktop for bench-mounted fume cupboards

Description	Article no.
fine stoneware laminate board	
integrally formed rim	
1 drip cup 295 x 145 x 165 mm	
with waste water protection	
modular grid 1200	591656
modular grid 1500	591657

Panelling

Panelling above fume cupboard of 19 mm KF board with melamine resin edge, in visible area with 2 mm PP edge.

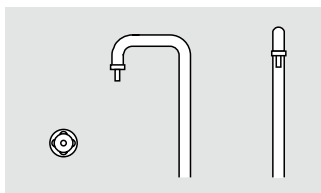
Description	Article no.
hatch fume cupboard	
1 m ²	595301

Electric fittings and electric installations

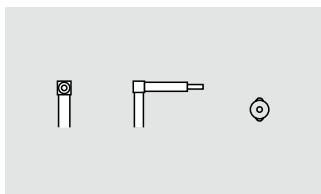


Application	Description	Article no.
- circuit extract air	dual pressure switch	
- circuit gas	1 on button	
	1 control lamp	
	1 off button	621012

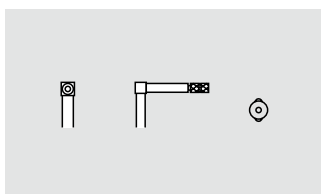
Sanitary fittings for fume cupboards



Description	Article no.
2 remote control valves for water with upright outlet	
300 mm high	592102



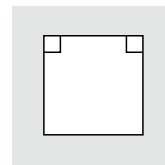
Description	Article no.
remote control tap for gas with upright outlet and hose outlet	
	592103



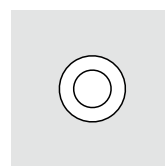
Description	Article no.
remote control tap for gas with upright outlet and stop coupling	
	592106

One gas stop valve with outlet shall be used on each side.

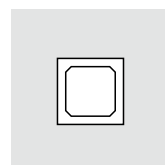
Application	Description	Article no.
extract air control unit to actuate the fan from both sides of the fume cupboard, consisting of:	extract air control unit	
- distributor box		
- 1 control cutout		
- 1 universal protection 400 V, 4 closing device, 16 A		
- 1 motor protection delay		
To dimension the motor protection relay the nominal current capacity of the fan motor shall be indicated.		681033



Application	Description	Article no.
power supply	earthed socket 230 V/16 A with flap cover	621001



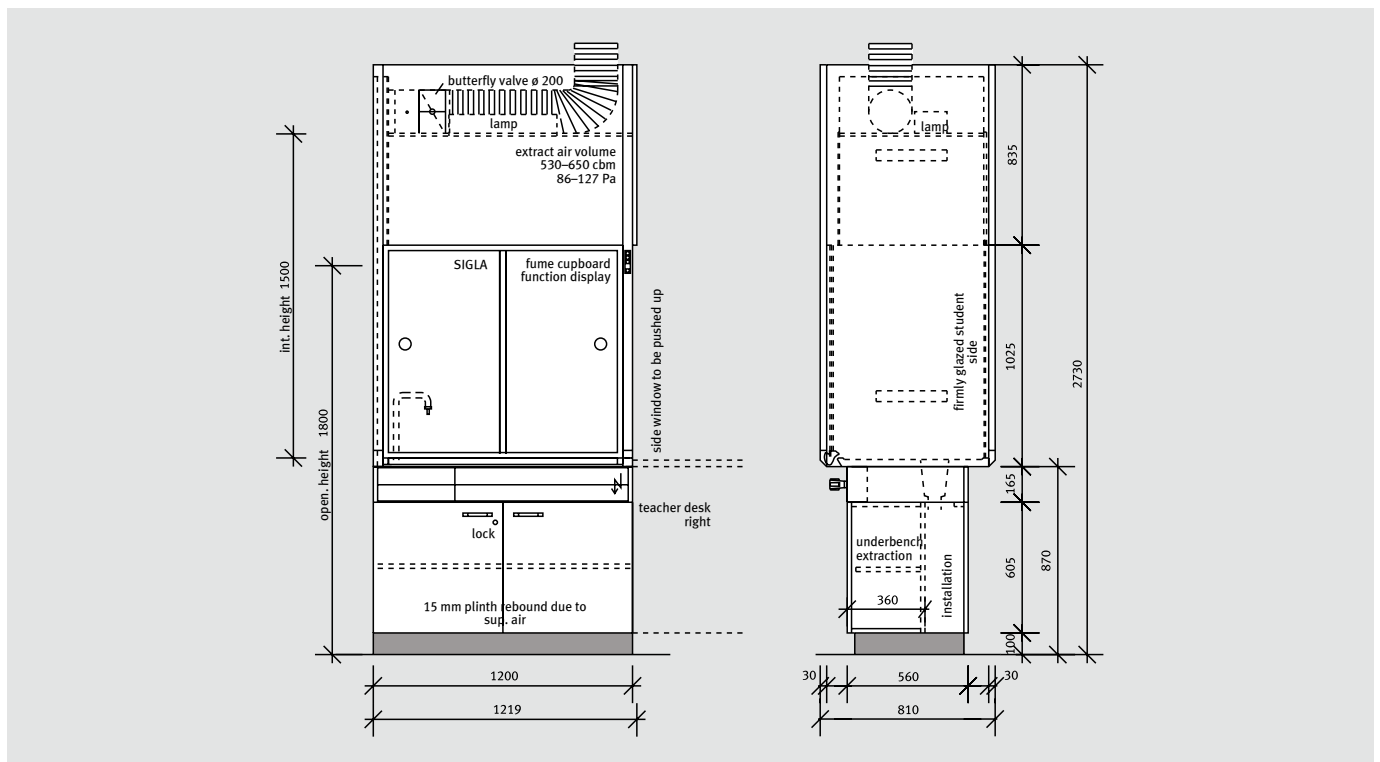
Application	Description	Article no.
emergency cutout experimenting distributor	emergency stop	681034



Application	Description	Article no.
light	1 selective switch	681018

Demonstration fume cupboard

A fume cupboard set-up incl. underbench unit, fitting frame of aluminium, 1 sash of aluminium and laminated safety glass with 2 cross slides and an integrated anti-fall device, firmly glazed student side, 1 side window, interior is melamine resin coated, ceiling of solid phenolic resin board. Fluorescent lamp 65 w to illuminate the interior. Underbench unit with 2 hinged doors on each side, doors with lock, student side as installation compartment, training room side as storage compartment with shelf, integrated underbench extraction when fume cupboard is in operation.

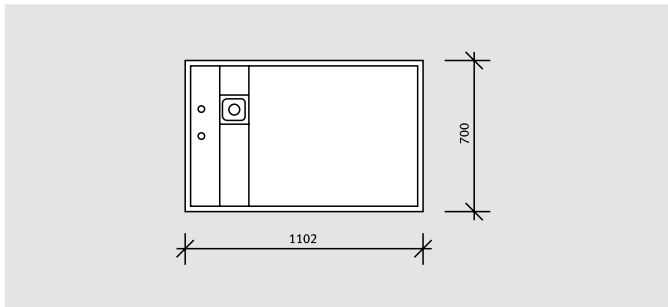


Demonstration fume cupboard acc. to DIN EN 14175

Description	Article no.
Demonstration fume cupboard modular grid 1200	570346e

Fume cupboard function display

Description	Article no.
display/operational unit integrated into the fume cupboard pilaster strip	
extract air display: normal (green) / too low (red) / too high (green flashing)	
sash display: sash beyond opening height of 500 mm (yellow)	
extinguishable warning signal in case of falling below the normal extract air volume	
and position of sash beyond opening height of 500 mm;	
service interval display (green flashing), service jack;	
foil button on/off for illumination in fume cupboard, back-up battery	593001e



Worktop for bench-mounted fume cupboards

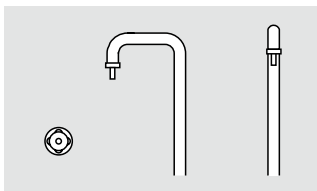
Description	Article no.
fine stoneware laminate worktop	
integrally formed rim	
1 drip cup 145 x 145 x 165 mm	
with waste water protection	
modular grid 1200	591956

Panelling

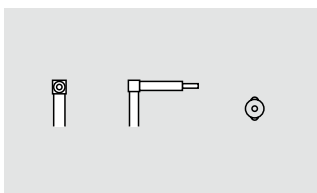
Panelling above the fume cupboard of 19 mm KF board with melamine resin edge, in visible area with 2 mm PP edge.

Description	Article no.
hatch fume cupboard	
1 m ²	595301

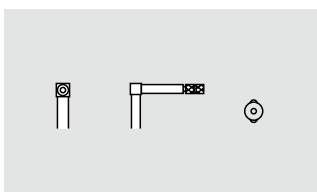
Sanitary fittings for fume cupboards



Description	Article no.
remote control	
valve for water	
with upright outlet	
300 mm high	592101

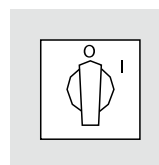


Description	Article no.
remote control	
tap for gas	
with upright outlet	
and hose outlet	592103



Description	Article no.
remote control	
tap for gas	
with upright outlet	
and stop	
coupling	592106

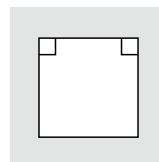
Electric fittings



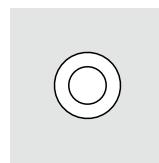
Application	Description	Article no.
circuit extract air	switch with built-in motor protection	
	3 poles	621011



Application	Description	Article no.
- circuit extract air	dual pressure button	
- circuit gas	1 on button	
	1 control lamp	
	1 off button	621012



Application	Description	Article no.
power supply	earthed socket	
	230 V/16 A with flap cover	621001

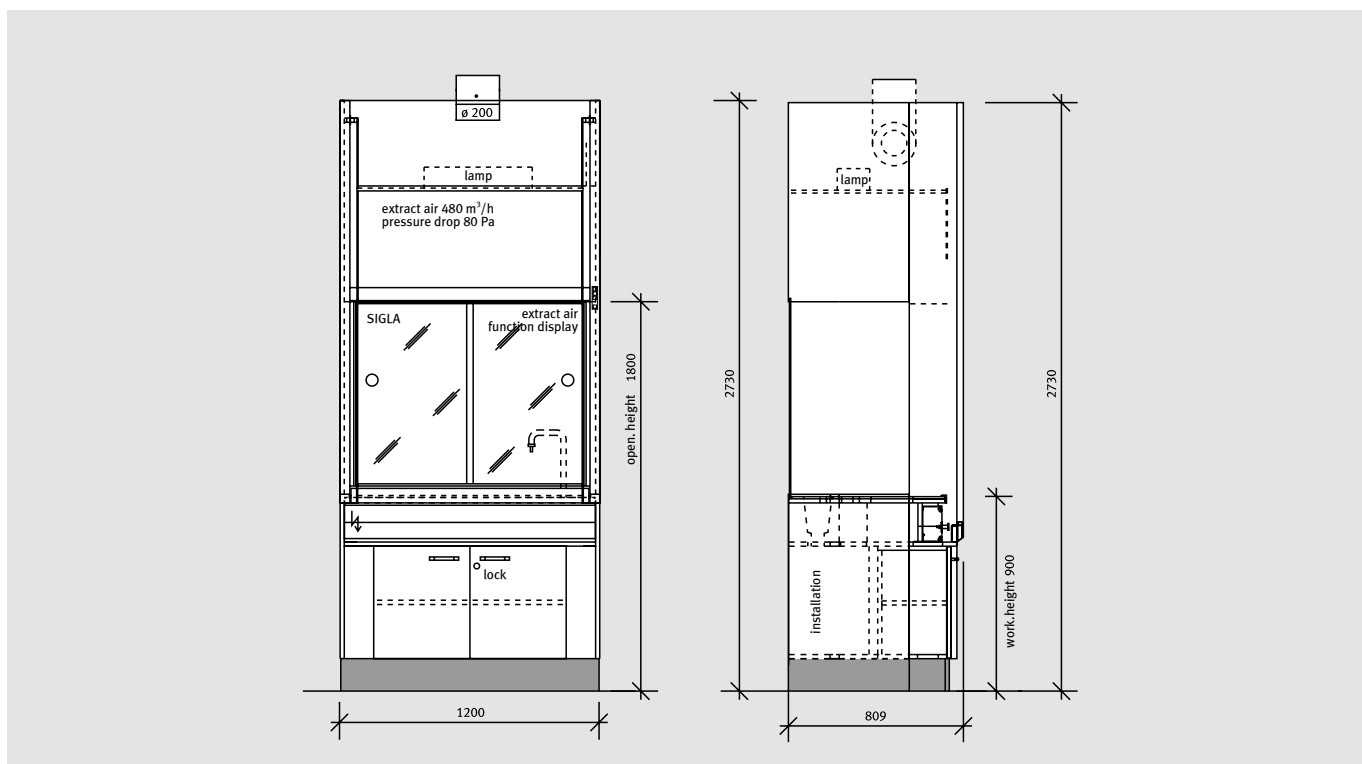


Application	Description	Article no.
emergency cutout	emergency stop	
experimenting distributor		681034

Uni-Demo

Fume cupboard set-up incl. underbench unit, fitting frame of aluminium, 1 sash of aluminium and laminated safety glass with 2 cross slides and integrated anti-fall device, student side with convex pane of safety glass for an ideal view, interior coated with melamine resin, top of solid phenolic resin board, fluorescent lamp 65 w to illuminate the interior.

Underbench unit with 2 hinged doors, 1 shelf, doors with cylinder lock, detachable rear wall towards the installation room.

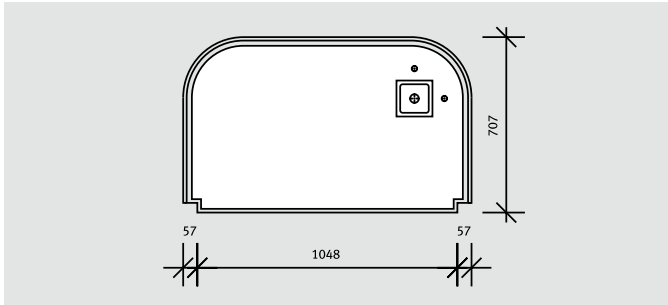


Uni-Demo acc. to DIN EN 14175

Description	Article no.
Uni-Demo modular grid 1200	570346e

Fume cupboard function display

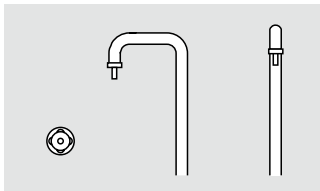
Description	Article no.
display/operational unit, integrated into the fume cupboard pilaster strip	
extract air display: normal (green)/too low (red)/too high (green flashing)	
sash display: sash beyond opening height of 500 mm (yellow)	
extinguishable warning signal in case of falling below the normal extract air volume and position of sash beyond opening height of 500 mm.	
service interval display (green flashing), service jack;	
foil button for illumination in fume-cupboard, back-up battery	593001e



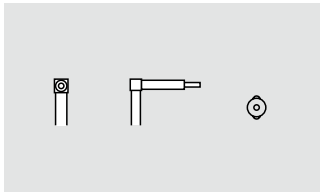
Worktop for bench-mounted fume cupboard

Description	Article no.
fine stoneware laminate worktop	
integrally formed rim	
1 drip cup 145 x 145 x 165 mm	
with waste water protection	
modular grid 1200	591856

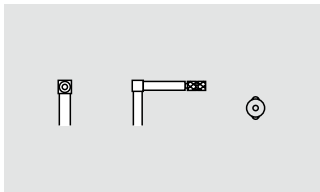
Sanitary fittings for fume cupboards



Description	Article no.
remote control valve for water with upright outlet	
300 mm high	592101

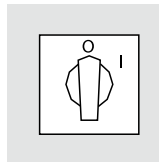


Description	Article no.
remote control tap for gas with upright outlet and hose outlet	
	592103



Description	Article no.
remote control tap for gas with upright outlet and stop coupling	
	592106

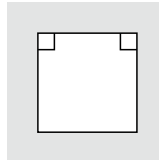
Electric fittings



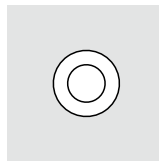
Application	Description	Article no.
circuit extract air	switch with built-in motor protection	
	3 poles	621011



Application	Description	Article no.
- circuit extract air	dual pressure button	
- circuit gas	1 on button	
	1 control lamp	
	1 off button	621012



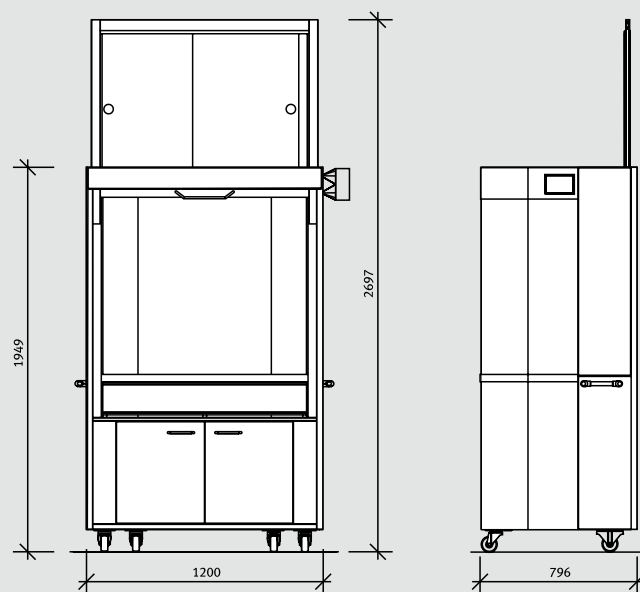
Application	Description	Article no.
power supply	earthed socket	
	230 V/16 A with flap cover	621001



Application	Description	Article no.
emergency cutout experimenting distributor	emergency stop	
		681034

Mobile Uni-Demo

Fume cupboard set-up incl. underbench unit, operational side with fitting frame of aluminium, 1 telescope sash of aluminium and laminated safety glass with 2 cross slides and an integrated anti-fall device, student side with a convex pane of safety glass for an ideal view of the students, interior coated with melamine resin, top of solid phenolic resin board, fluorescent lamp 58 w to illuminate the interior. Underbench unit with 2 hinged doors, 1 shelf, doors with lock, detachable rear wall towards the installation room. 4 heavy load castors, 2 of which have stoppers.



Mobile Uni-Demo acc. to DIN EN 14175

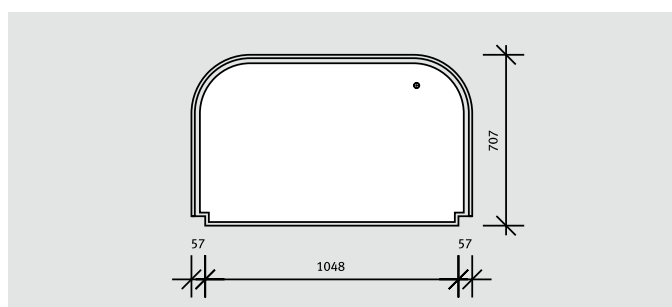
Description
modular grid 1200

Article no.
570947e

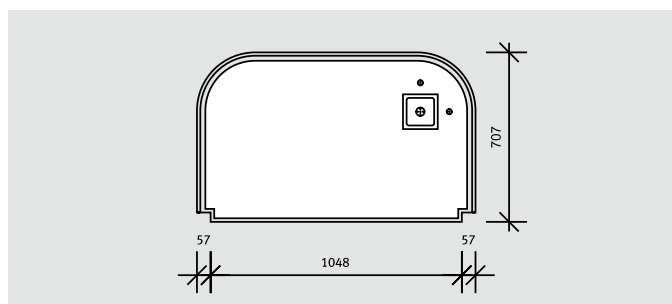
Fume cupboard function display

Description	Article no.
display/operational unit integrated into the fume cupboard pilaster strip	
extract air display: normal (green)/too low (red)/too high (green flashing)	
sash display: sash beyond opening height of 500 mm (yellow)	
extinguishable warning signal in case of falling below the normal extract air volume and position of the sash beyond opening height of 500 mm.	
service interval display (green flashing), service jack	
foil button for illumination in fume-cupboard	
back-up battery	593001e

Worktops for Uni-Demo fume cupboards

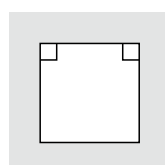


Description	Article no.
fine stoneware laminate worktop	
integrally formed rim	
with drilled hole for upright gas column	591856a

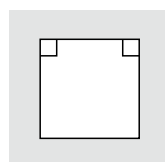


Description	Article no.
fine stoneware laminate worktop	
integrally formed rim	
1 drip cup 145 x 145 x 165 mm	
with waste water protection	
2 dr. holes for upright gas and water column	591856

Electric fittings

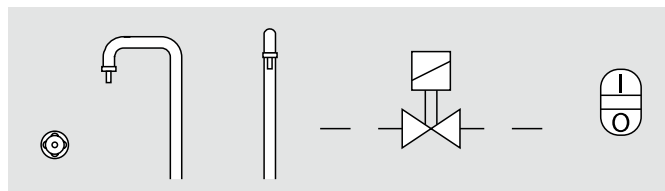


Application	Description	Article no.
power supply connection	electric set consisting of: 1 earthed socket with flap cover 1 connection line 3 m w. earthed socket	570950

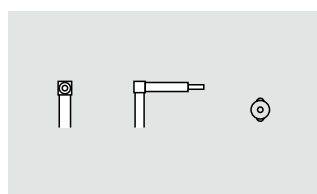


Application	Description	Article no.
power supply	earthed socket 230 V/16 A with flap cover	621001

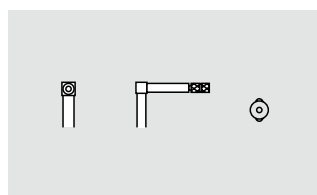
Sanitary fittings for mobile Uni-Demo fume cupboard



Description	Article no.
water set Uni-Demo, consisting of:	
1 remote control valve for water	
with upright outlet 300 mm high	
1 x flexible water supply line with male coupl.	
1 x magnetic valve 1/2" idle closed	
incl. contactor and dual pressure button	570951



Description	Article no.
gas set Uni-Demo, consisting of:	
remote control tap for gas with upright outlet and hose outlet	
1 x flexible gas supply line with male coupling	570952



Description	Article no.
gas set Uni-Demo, consisting of:	
remote control tap for gas with upright outlet and stop coupling	
1 x flexible gas supply line with male coupling	570952K



H/W/D: ca. 306 x 373 x 200

Description	Article no.
small lifting unit, consisting of:	
– sewage collection container	
– automatic switching submersible pump	
– flap trap	
– odour-tight cover with integrated siphon	
– ventilation incl. odour filter and anti-flooding valve	
– waste water connection line w. male coupl.	
– electric connection line w. earthed socket	
– earthed socket in underbench unit	570948

Extract air connection for mobile Uni-Demo

Description	Article no.
extract air conn. point for Uni-Demo fc	722860

Laboratory workbenches for preparation works



The preparation room is the teacher's laboratory.
Creative solutions fulfil all demands required for a
thorough preparation of experiments.

A solid basis for experiments

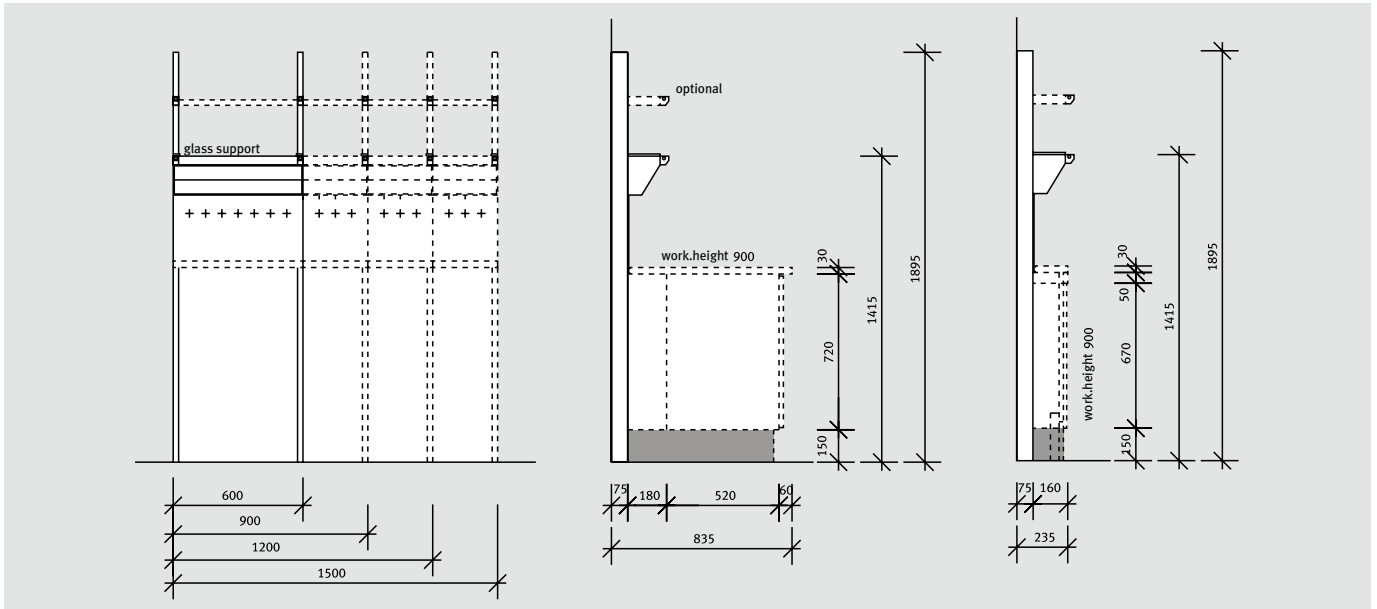




Upright unit: Wall workbench

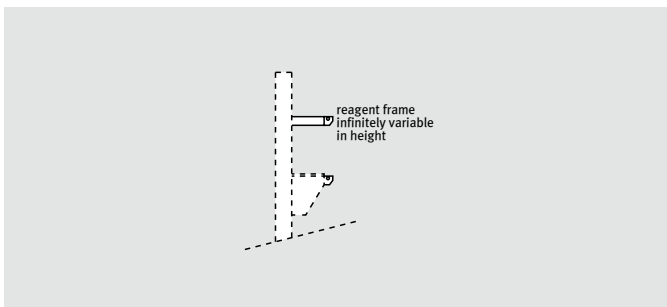
- workplace acc. to DIN EN 13150
- good characteristics for a wet workplace
- splash protection towards the wall
- system upright of aluminium
- high installation density possible
- function grooves for an extensive range of accessories
- integration of the first storage level into the system duct
- second and further storage levels are infinitely variable in height
- small amount of joints
- three-dimensional scaffold holder
- extensible by means of plug-in profiles
- extensive range of accessories available for a clear increase in utilization value
- integration of sinks possible





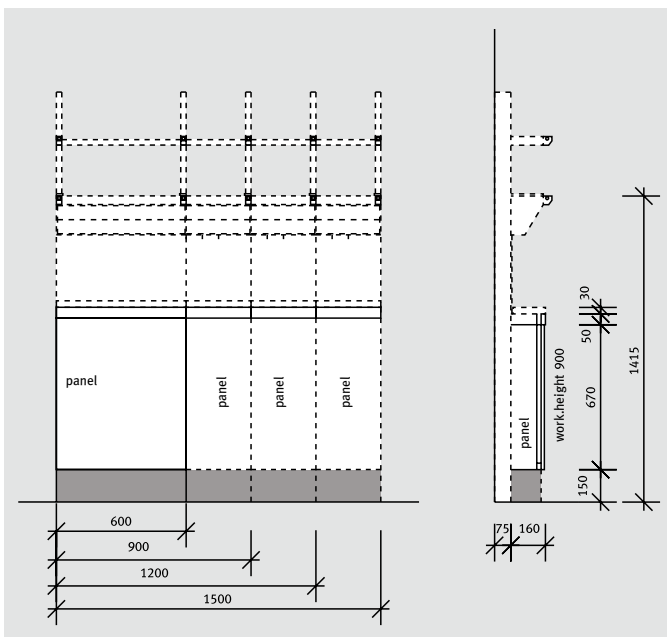
Module frame for wall workbenches

Description	Article no.
module frame for wall workbenches	
system upright of aluminium, 1 media duct,	
5 mm raw glass support on media duct, 2 scaffold rod holders	
module frame modular grid 600	121113
module frame modular grid 900	121115
module frame modular grid 1200	121116
module frame modular grid 1500	121117



Storage level

Description	Article no.
storage level depth 225 mm	
5 mm raw glass support	
2 scaffold rod holders	
modular grid 600	199933
modular grid 900	199935
modular grid 1200	199936
modular grid 1500	199937



Add-on frame with panel

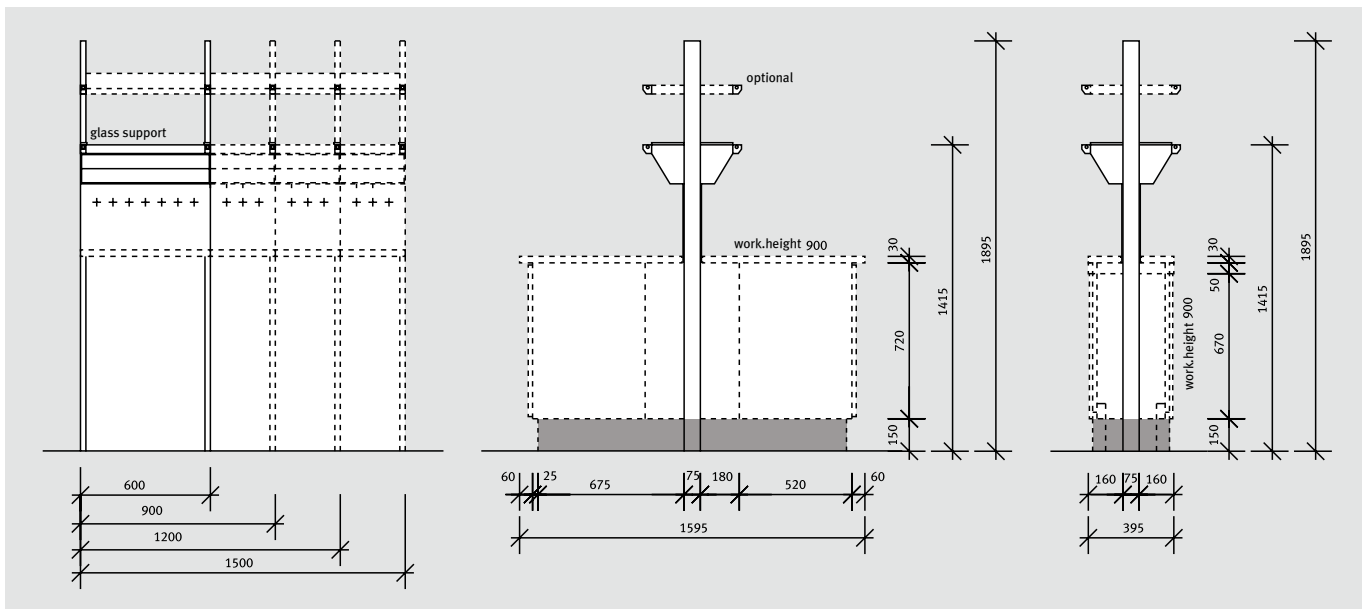
Description	Article no.
add-on frame with panel	
depth 160 mm	
modular grid 600	292873
modular grid 900	292875
modular grid 1200	292876
modular grid 1500	292877



Upright unit: Double workbench

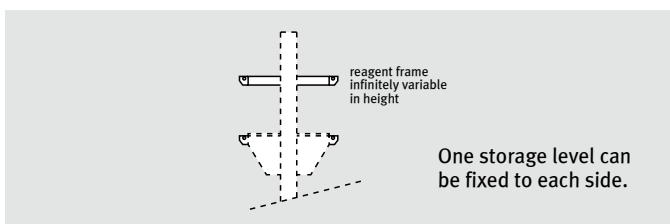
- workplace following DIN EN 13150
- good characteristics for a wet workplace
- splash protection towards opposite workplace
- system upright of aluminium
- high installation density possible
- function groove for an extensive range of accessories
- integration of first storage level into the system duct
- second and further storage levels are infinitely variable in height
- small amount of joints
- three-dimensional scaffold holder
- extensible by means of a plug-in profile
- extensive range of accessories available for a clear increase in utilization value
- integration of sinks and head sinks possible





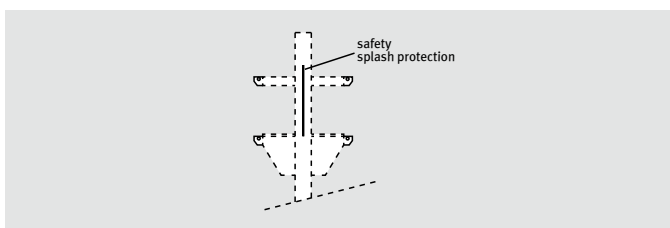
Module frame for double workbenches

Description	Article no.
module frame for double workbenches	
system upright of aluminium, 1 media duct on each side	
5 mm raw glass support on media ducts	
4 scaffold rod holders	
module frame modular grid 600	122113
module frame modular grid 900	122115
module frame modular grid 1200	122116
module frame modular grid 1500	122117



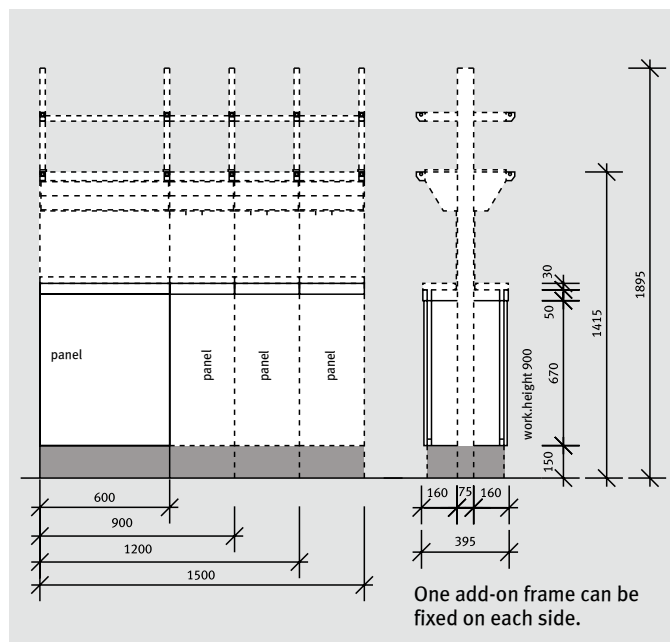
Storage level

Description	Article no.
storage level depth 184 mm, 5 mm raw glass support	
2 scaffold rod holders	
modular grid 600	199913
modular grid 900	199915
modular grid 1200	199916
modular grid 1500	199917



Safety splash protection

Description	Article no.
safety splash protection	
modular grid 600	199803
modular grid 900	199805
modular grid 1200	199806
modular grid 1500	199807



Add-on frame with panel

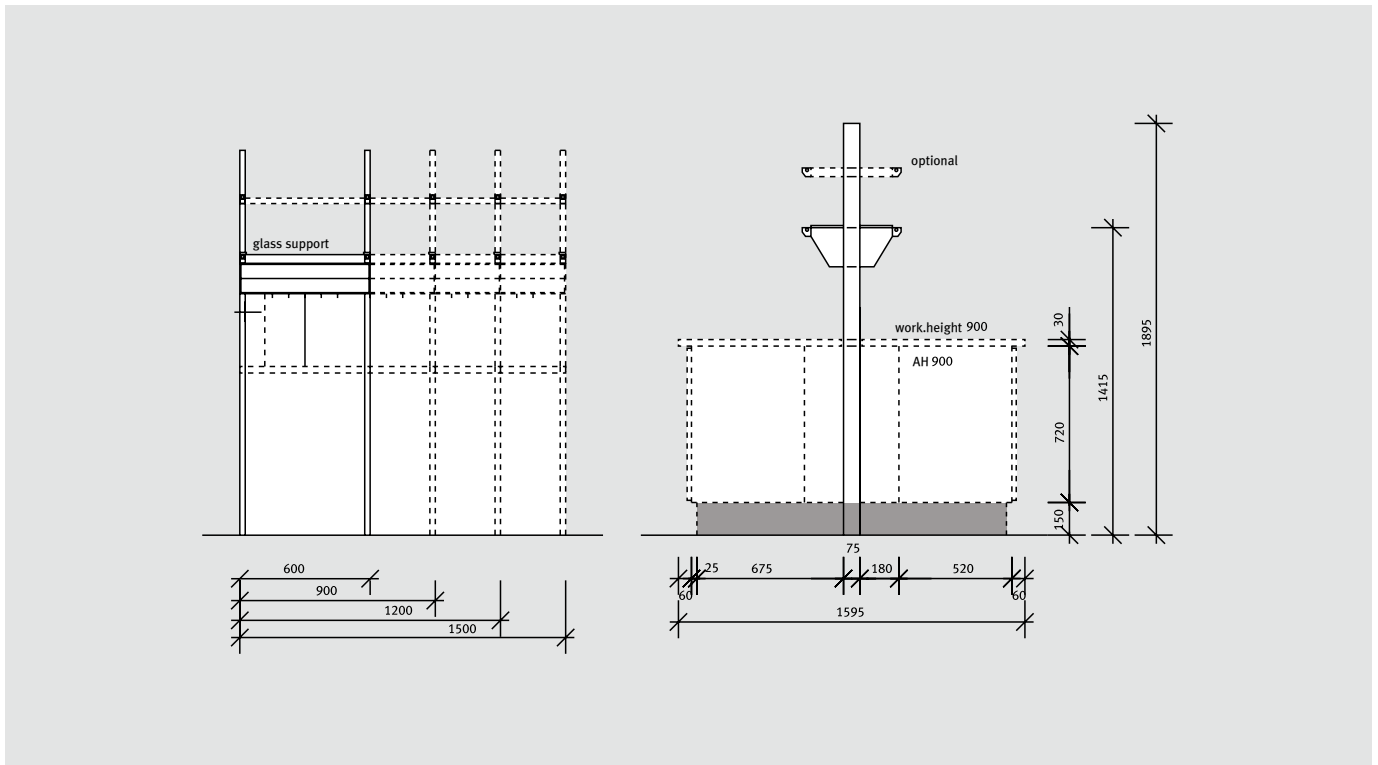
Description	Article
add-on frame with panel	
depth 160 mm	
modular grid 600	292873
modular grid 900	292875
modular grid 1200	292876
modular grid 1500	292877



Upright bridge: Double workbench

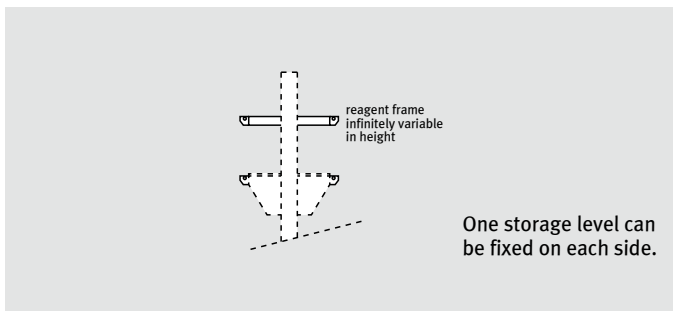
- workplace acc. to DIN EN 13150
- good characteristics for an instrument workplace
- system upright of aluminium
- fittings can be used from both sides
- function grooves for an extensive range of accessories
- integration of the first storage level into the system duct
- second and further storage levels are infinitely variable in height
- three-dimensional scaffold holder
- extensible by means of plug-in profiles
- extensive range of accessories available for a clear increase in utilization value
- integration of head sinks possible





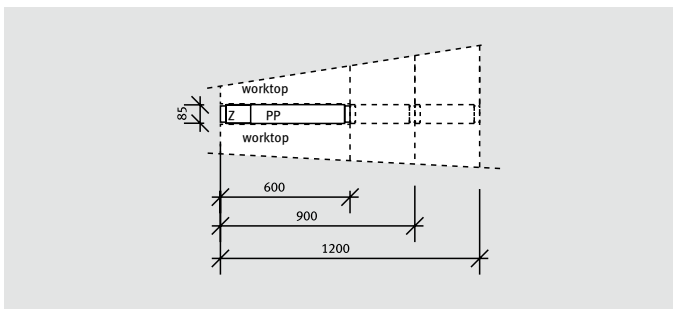
Module frame for upright bridge

Description	Article no.
module frame for upright bridge	
system upright of aluminium, 1 media duct on each side,	
5 mm raw glass support on media ducts	
4 scaffold rod holders	
module frame modular grid 600	112213
module frame modular grid 900	122215
module frame modular grid 1200	122216
module frame modular grid 1500	122217



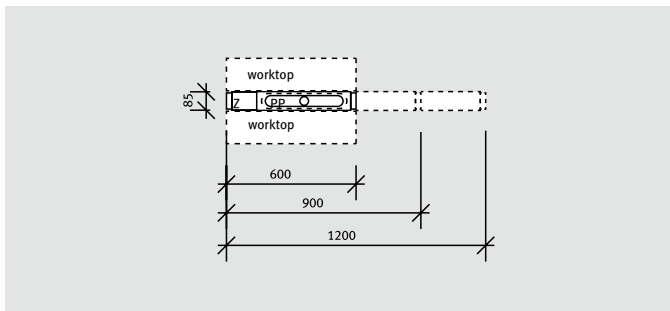
Storage level

Description	Article no.
storage level depth 184 mm	
5 mm raw glass support	
2 scaffold rod holders	
modular grid 600	199913
modular grid 900	199915
modular grid 1200	199916
modular grid 1500	199917



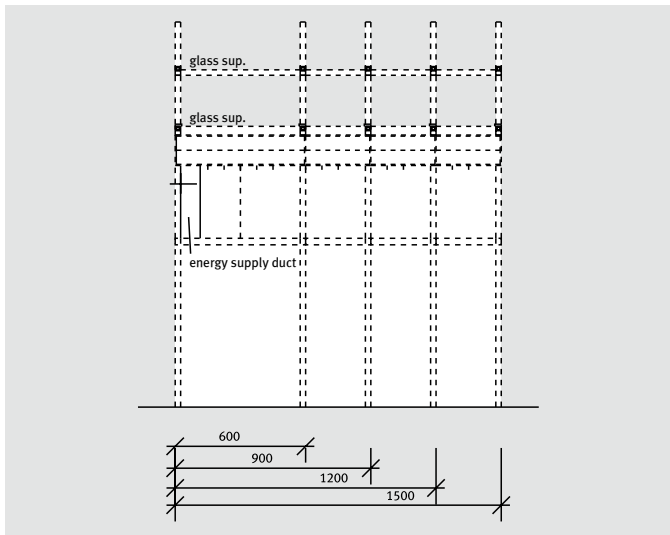
Installation panel

Description	Article no.
installation panel of polypropylene	
depth 85 mm	
modular grid 600	383413
modular grid 900	383415
modular grid 1200	383416
modular grid 1500	383417



Installation panel

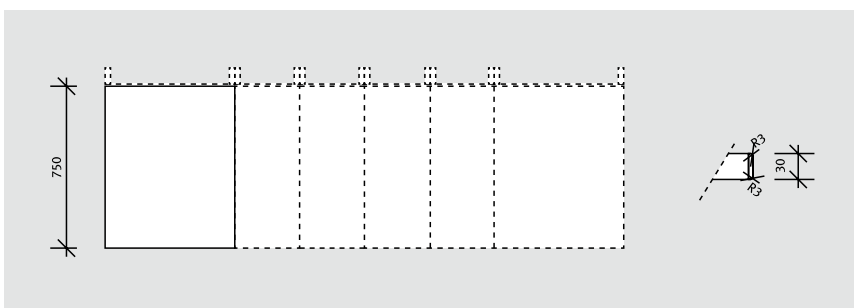
Description	Article no.
installation panel of polypropylene	
depth 85 mm	
with PP drip cup	
interior size 350 x 50 mm	
modular grid 600	383513
modular grid 900	383515
modular grid 1200	383516
modular grid 1500	383517



Energy supply duct

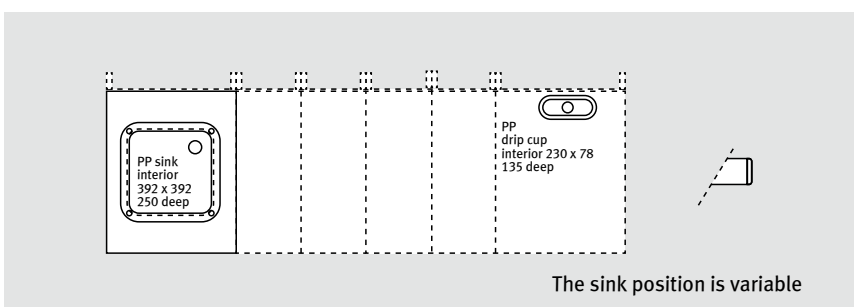
Description	Article no.
energy supply duct	
sheet steel duct to line the	
media lines from the underbench unit	
to the media ducts	199911

Worktops for upright unit and upright bridge



Worktops with melamine resin surface

Description	Article no.
worktop with melamine resin surface	
depth 750 mm	
1 running metre	311140



Polypropylene sink

Description	Article no.
polypropylene sink for worktops	
with melamine resin surface	
interior size 392 x 392 x 250 mm	
colour grey	313844
polypropylene drip cup for worktops	
with melamine resin surface	
interior size 230 x 78 x 135 mm	
colour grey	313822
drilled hole in worktop	
melamine resin surface	316210

Worktops of fine stoneware laminate

Description	Article no.
worktops of fine stoneware laminate	
core board covered with large surface	
stoneware tiles, integrally casted	
rim of epoxy resin	
depth 750 mm	
modular grid 600	352443
modular grid 900	352445
modular grid 1200	352446
modular grid 1500	352447
modular grid 1800	352448
modular grid 2400	352449

Stoneware sink for fine stoneware laminate worktops

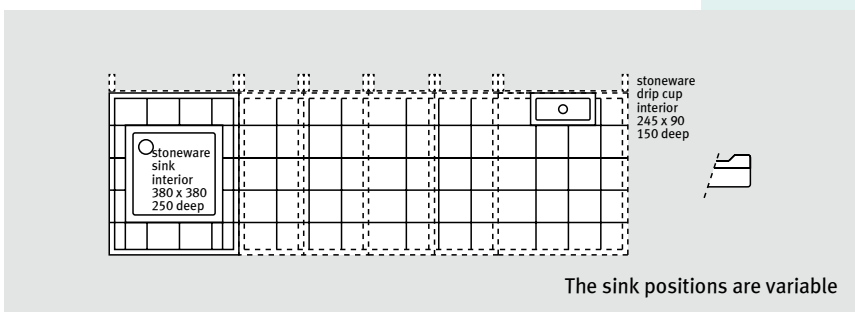
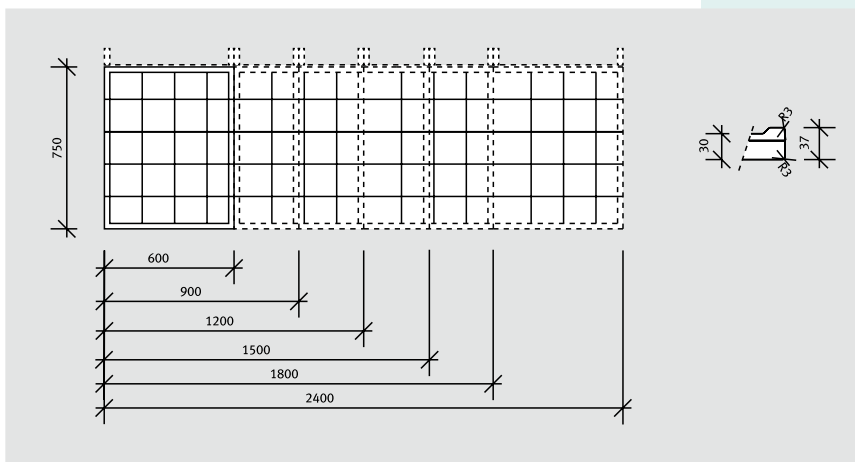
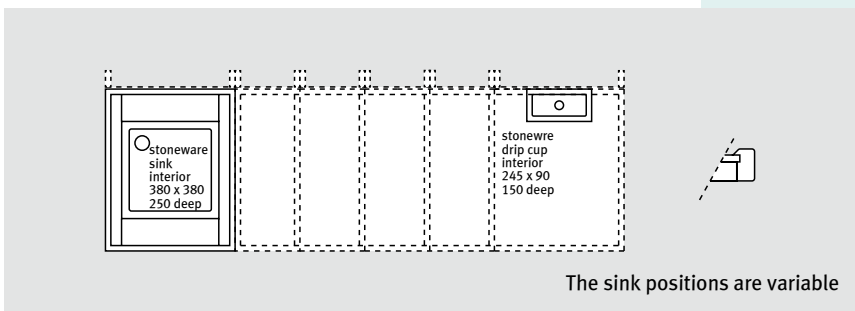
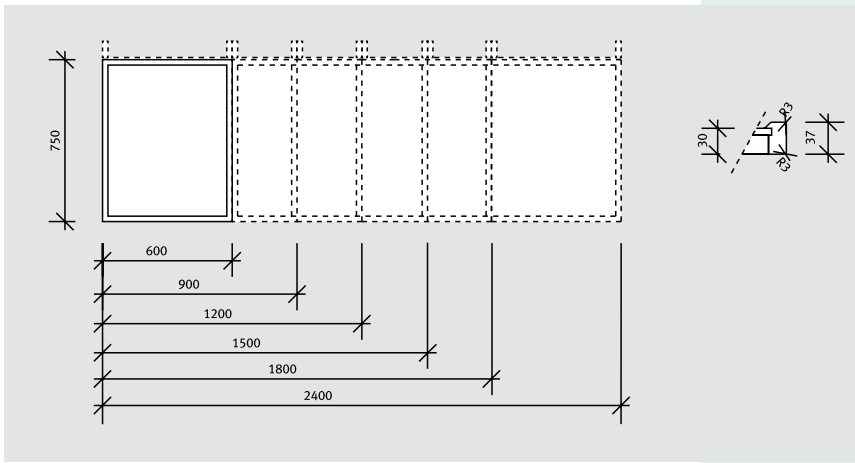
Description	Article no.
stoneware sink	
interior size 380 x 380 x 250 mm	
colour white	363545
stoneware drip cup	
interior size 245 x 95 x 150 mm	
colour white	363522
drilled hole in worktop	
fine stoneware	356210

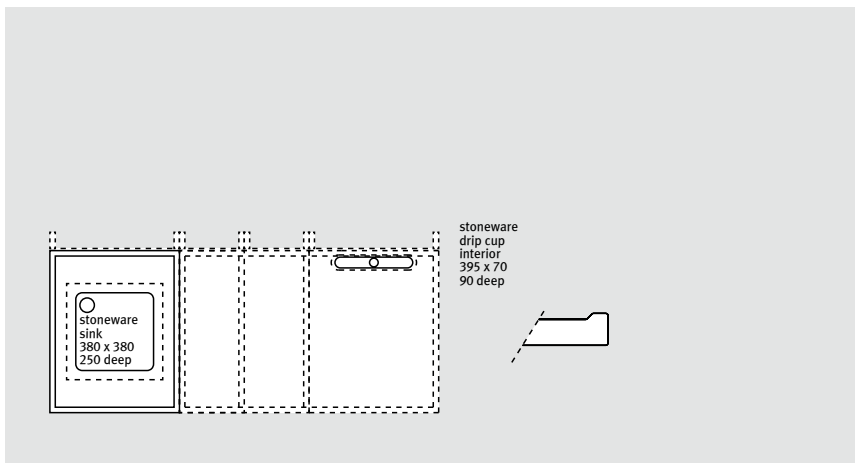
Worktops with red tiles

Description	Article no.
worktops with red tiles	
coreboard covered with red unglazed	
laboratory tiles, edge tiles with	
rim	
depth 750 mm	
modular grid 600	320643
modular grid 900	320645
modular grid 1200	320646
modular grid 1500	320647
modular grid 1800	320648
modular grid 2400	320649

Stoneware sinks for worktops with red tiles

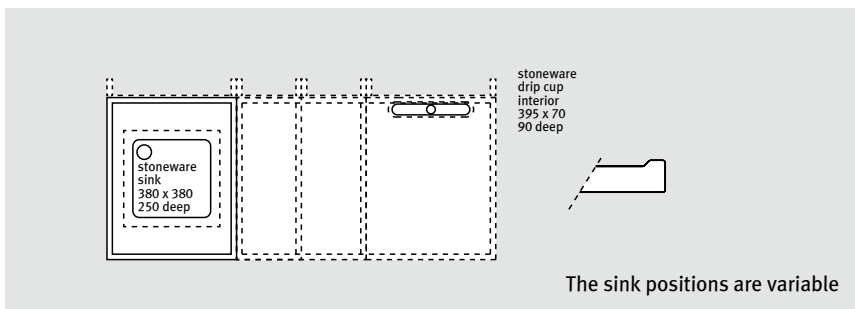
Description	Article no.
stoneware sink	
interior size 380 x 380 x 250 mm	
colour auburn	363546
stoneware drip cup	
interior size 245 x 90 x 150 mm	
colour auburn	363523
drilled hole in worktop	
fine stoneware	356210





Worktops of fine stoneware

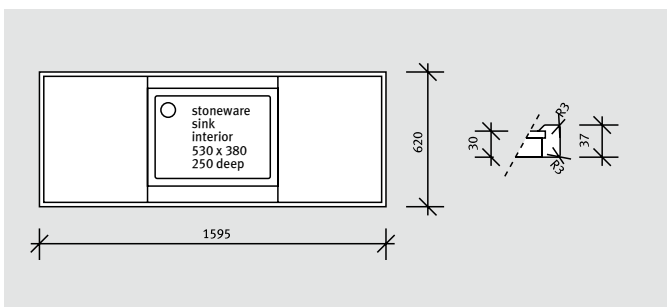
Description	Article no.
worktops of fine stoneware	
depth 750 mm	
modular grid 600	351443
modular grid 900	351445
modular grid 1200	351446
modular grid 1500	351447
modular grid 1800	351448



Stoneware sinks for fine stoneware worktops

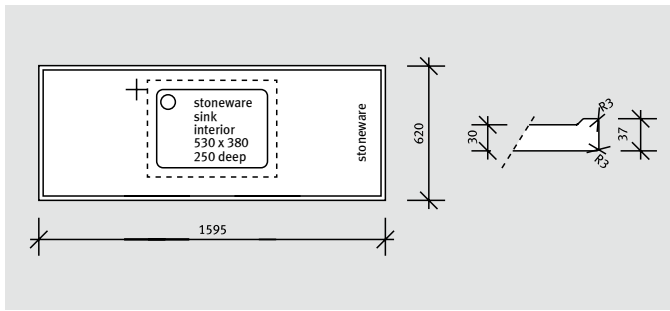
Description	Article no.
stoneware sink	
interior size 380 x 380 x 250 mm	
colour white	353545
stoneware drip cup	
interior size 395 x 70 x 90 mm	
colour white	353521
drilled hole in worktop	
fine stoneware	356210

Worktops for head sinks



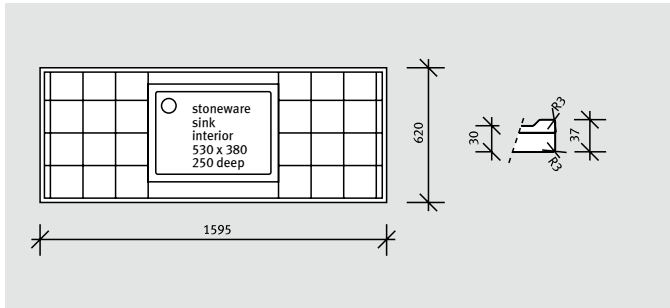
Worktops of fine stoneware laminate

Description	Article no.
worktops of fine stoneware laminate	
core board covered with large surface fine stoneware tiles, integrally formed rim of epoxy resin	
depth 620 mm	
width 1595 mm	352498
stoneware sink	
for fine stoneware laminate worktops	
interior size 380 x 530 x 250 mm	
colour white	363555
drilled hole in worktop	
fine stoneware	356210



Worktops of fine stoneware

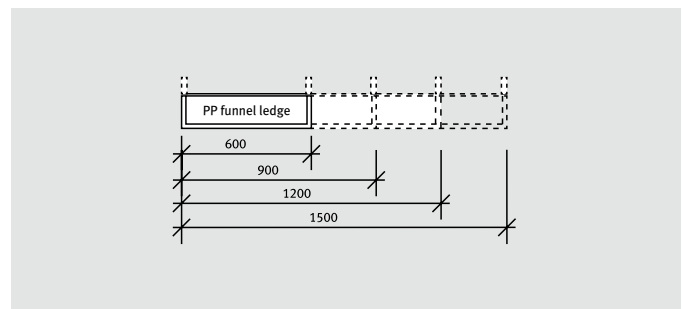
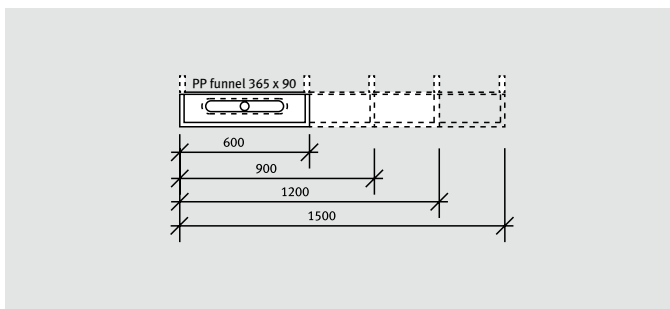
Description	Article no.
worktops of fine stoneware	
with a stoneware sink placed underneath	
depth 620 mm	
width 1595 mm	
sink	
interior size 380 x 530 x 250 mm	
colour white	354155
drilled hole in worktop	
fine stoneware	356210



Worktops with red tiles

Description	Article no.
worktops with red tiles	
core board covered with red unglazed	
laboratory tiles, edge tiles with rim	
depth 620 mm	
width 1595 mm	320600
stoneware sink	
for worktops with red tiles	
interior size 380 x 530 x 250 mm	
colour auburn	363556
drilled hole in worktop	
tiles	356210

PP funnel ledges for upright units with add-on frames



Installation ledge with drip cup

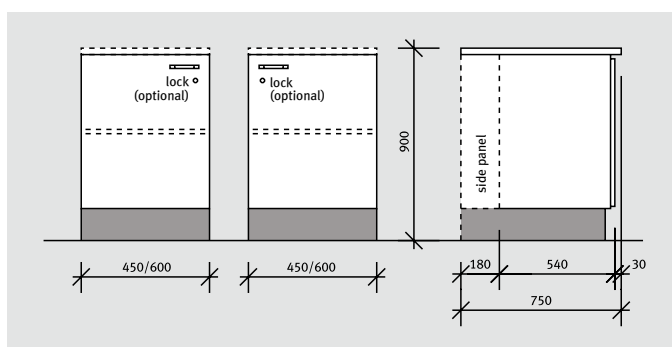
Description	Article no.
Installation ledge of polypropylene	
depth 160 mm	
with PP drip cup	
interior size 365 x 90 mm	
modular grid 600	383533
modular grid 900	383535
modular grid 1200	383536
modular grid 1500	383537

Installation ledge

Description	Article no.
Installation ledge of polypropylene	
depth 160 mm	
modular grid 600	383433
modular grid 900	383435
modular grid 1200	383436
modular grid 1500	383437

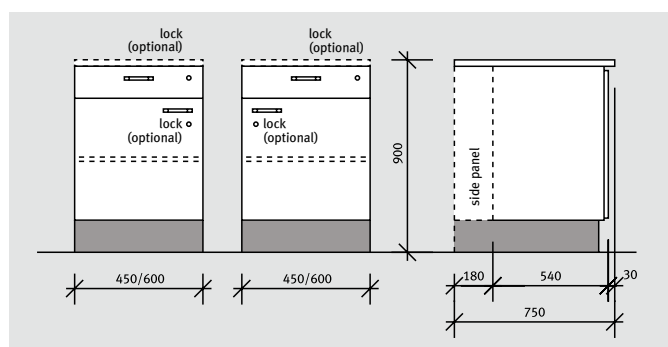


Underbench units for wall and double workbenches



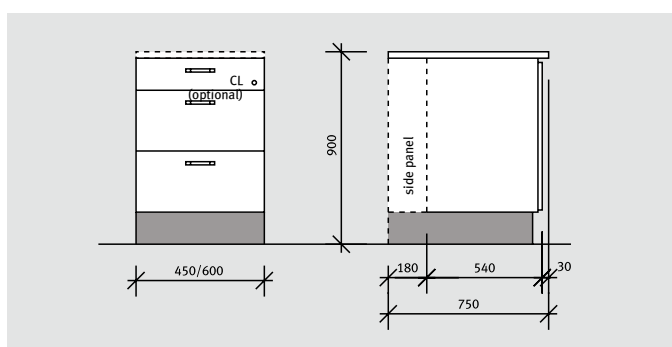
Underbench unit with hinged door

Description	Article no.
underbench unit with hinged door	
1 shelf	
door left modular grid 450	870152
door right modular grid 450	870252
door left modular grid 600	870153
door right modular grid 600	870253
back lock	913101



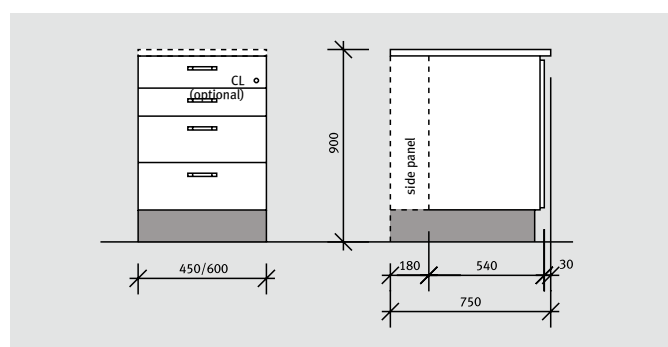
Underbench unit with 1 drawer, hinged door

Description	Article no.
underbench unit with 1 drawer, hinged door	
1 shelf	
door left modular grid 450	870352
door right modular grid 450	870452
door left modular grid 600	870353
door right modular grid 600	870453
back lock	913101



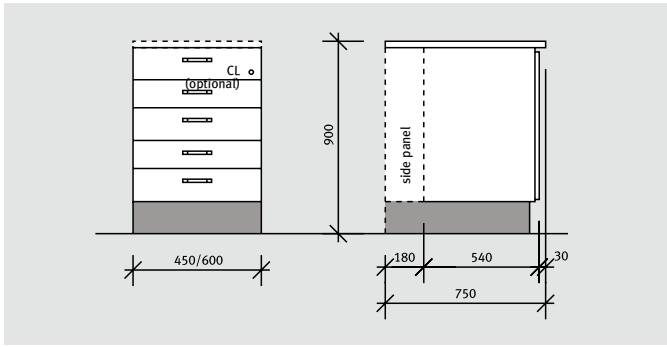
Underbench unit with 3 drawers

Description	Article no.
underbench unit with 3 drawers	
1 drawer 1 HE	
2 drawers 2 HE	
modular grid 450	870852
modular grid 600	870853
central lock (CL)	913103



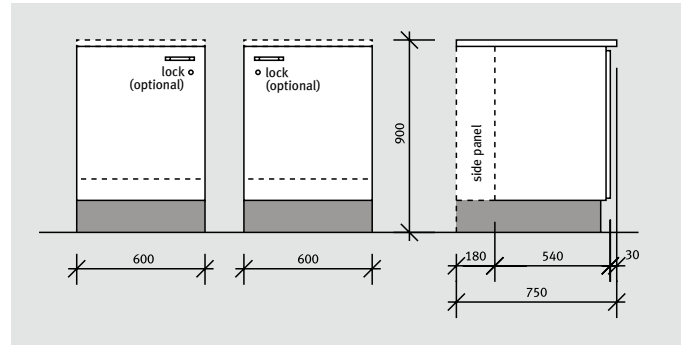
Underbench unit with 4 drawers

Description	Article no.
underbench unit with 4 drawers	
2 drawers 1 HE	
2 drawers 1.5 HE	
modular grid 450	870652
modular grid 600	870653
central lock (CL)	913103



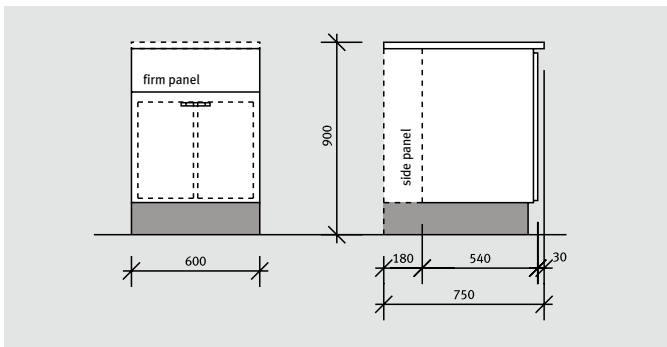
Underbench unit with 5 drawers

Description	Article no.
Underbench unit with 5 drawers	
5 drawers 1 HE	
modular grid 450	870552
modular grid 600	870553
central lock (ZV)	913103



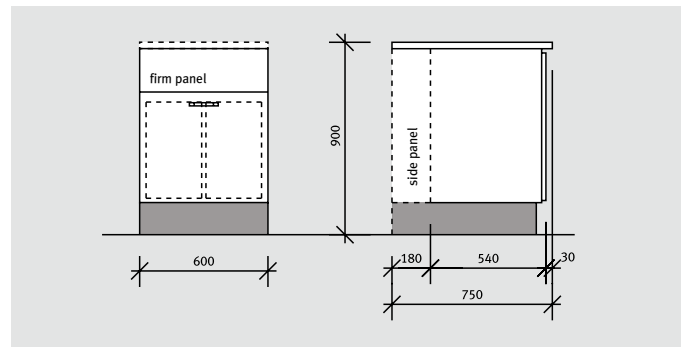
Underbench unit for installation

Description	Article no.
Underbench unit for installation	
door left modular grid 600	871453
door right modular grid 600	871353
back lock	913101



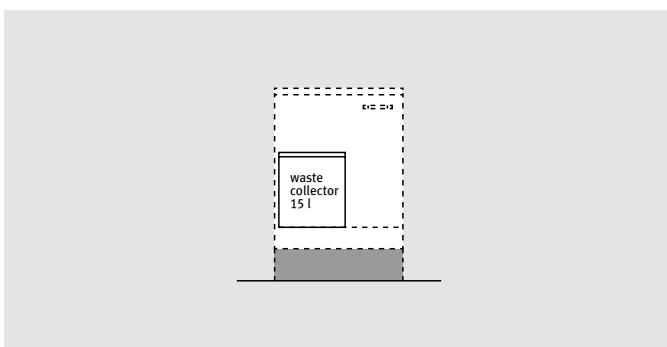
Underbench unit for waste disposal

Description	Article no.
underbench unit for waste disposal	
1 front drawer on roller guide track	
2 waste boxes with 20 l each	
modular grid 600	873853



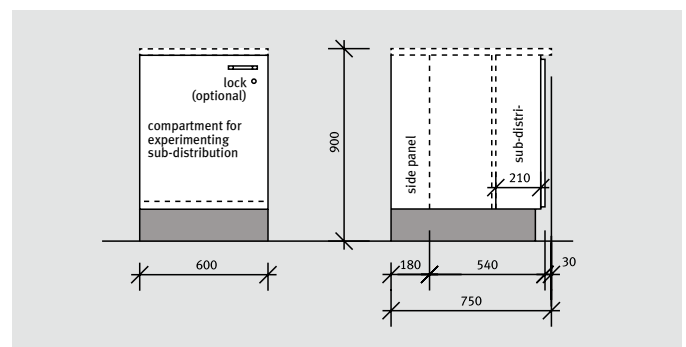
Underbench unit for waste disposal

Description	Article no.
Underbench unit for waste disposal	
1 front drawer on roller guide track	
4 waste boxes with 15 l each	
modular grid 600	873553



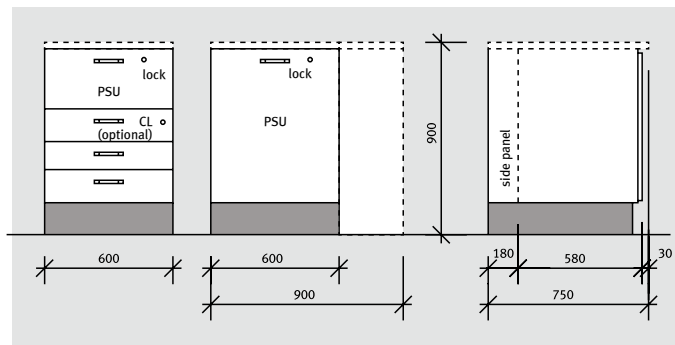
Built-in waste collector

Description	Article no.
built-in waste collector	
1 container 15 l	
cover-lift-system	910036



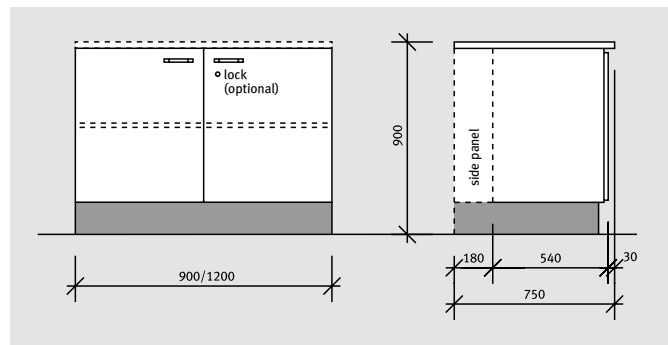
Underbench unit for electrical installations

Description	Article no.
underbench unit for electrical installations	
door left modular grid 600	872953
door right modular grid 600	873053



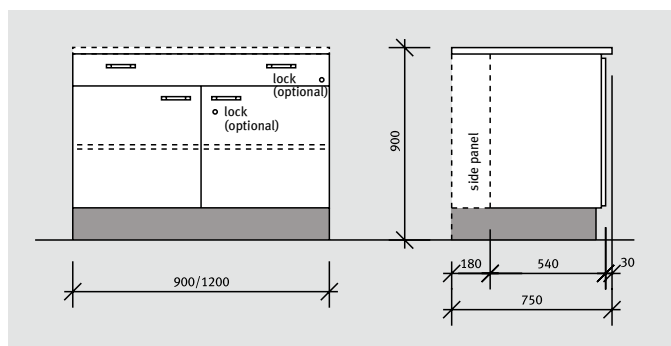
Underbench unit for power supply unit (PSU)

Description	Article no.
underbench unit for power supply unit (PSU)	
modular grid 600 for PSU 2 height units	874653
modular grid 600 for PSU 4 height units	874753
modular grid 900 for PSU 4 height units	874755
central lock (CL)	913103



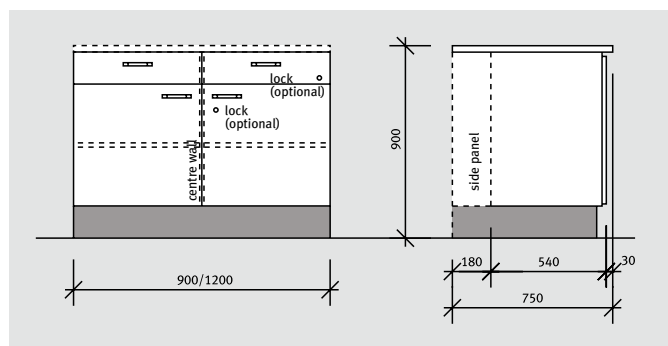
Underbench unit with hinged doors

Description	Article no.
underbench unit with hinged doors	
1 shelf	
modular grid 900	871555
modular grid 1200	871556
espagnolette	913104



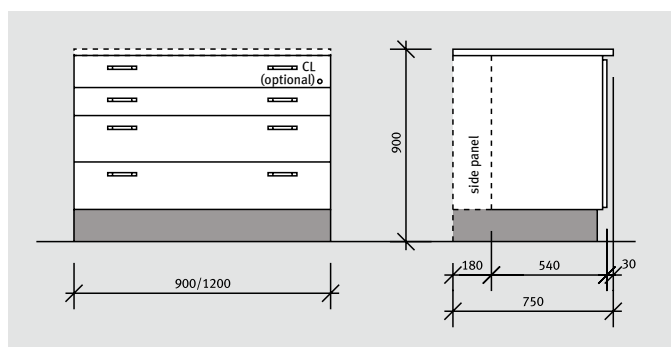
Underbench unit 1 drawer and hinged doors

Description	Article no.
underbench unit 1 drawer and hinged doors	
1 shelf	
modular grid 900	872255
modular grid 1200	872256
back lock	913101
espagnolette	913104



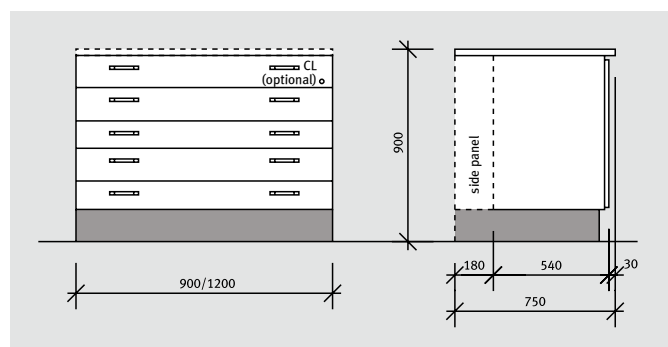
Underbench unit 2 drawers and hinged doors

Description	Article no.
underbench unit 2 drawers and hinged doors	
2 shelves	
1 centre wall	
modular grid 900	872155
modular grid 1200	872156
back lock	913101
espagnolette	913104



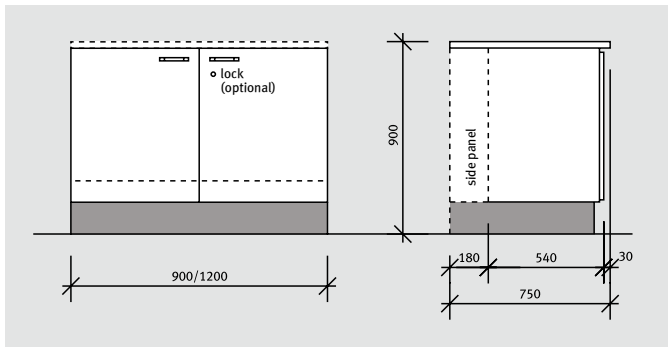
Underbench unit with 4 drawers

Description	Article no.
underbench unit with 4 drawers	
2 drawers 1 HE, 2 drawers 1.5 HE	
modular grid 900	870655
modular grid 1200	870656
central lock (CL)	913103



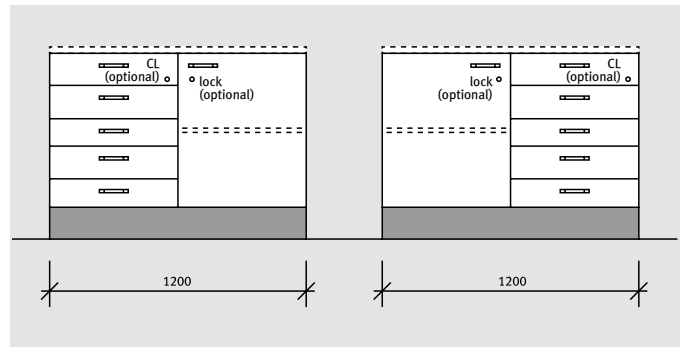
Underbench unit with 5 drawers

Description	Article no.
underbench unit with 5 drawers	
5 drawers 1 HE	
modular grid 900	870555
modular grid 1200	870556
central lock (CL)	913103



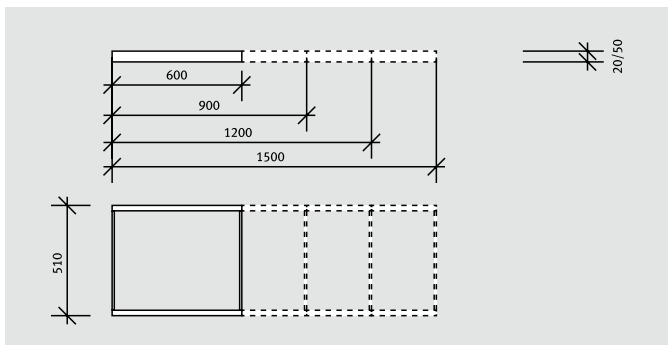
Underbench unit for installation

Description	Article no.
underbench unit for installation	
door left modular grid 900	872355
door right modular grid 1200	872356



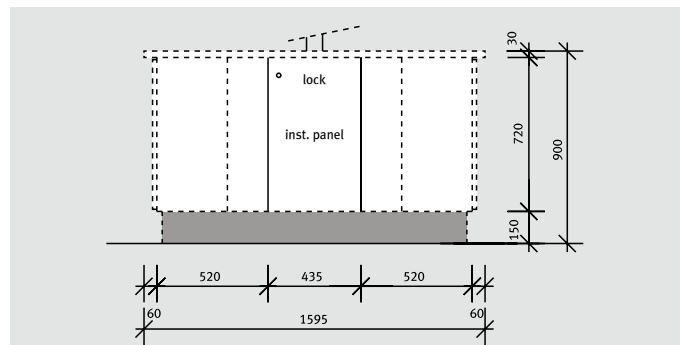
Underbench unit with 5 drawers and hinged door

Description	Article no.
underbench unit with 5 drawers and hinged door	
5 drawers door left modular grid 1200	873056
5 drawers door right modular grid 1200	872056
back lock	913101
espagnolette	913104



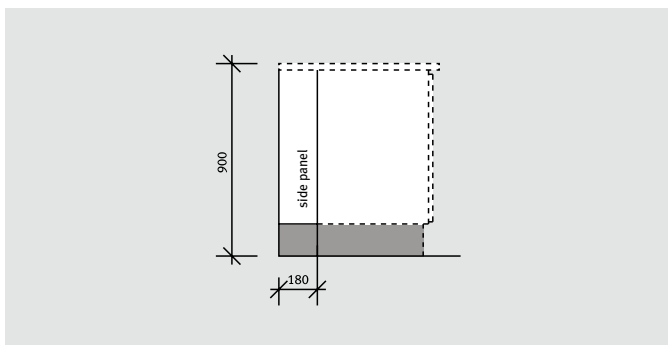
Subframe

Description	Article no.
subframe height 50 mm	
modular grid 600	299093
modular grid 900	299095
modular grid 1200	299096
modular grid 1500	299097
subframe height 20 mm	
modular grid 600	296093
modular grid 900	296095
modular grid 1200	296096
modular grid 1500	296097



Installation panel for head sink

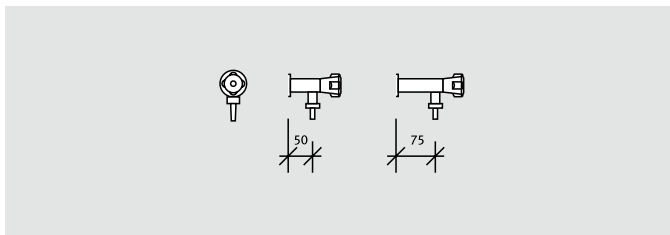
Description	Article no.
installation panel for head sink as access to the installations on the head sink	913005



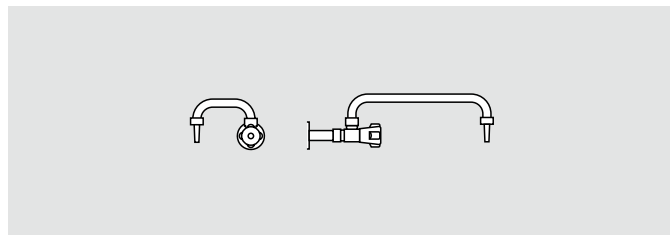
Wall connection panel

Description	Article no.
wall connection panel	913013

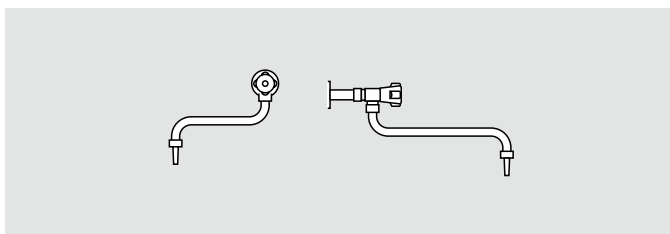
Sanitary fittings for upright units



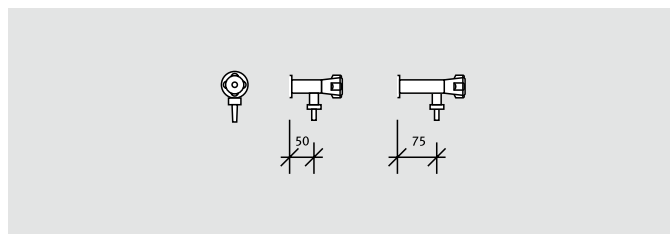
Description	Article no.
corner valve for water	
projection 50 mm	710101
projection 75 mm	710102



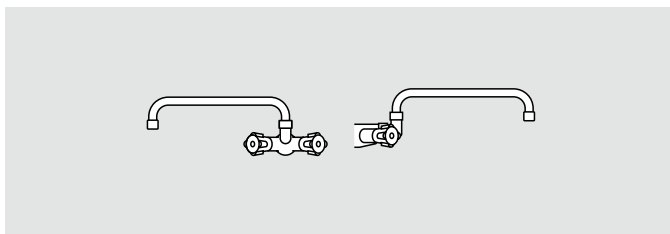
Description	Article no.
corner valve for water with swivelling U outlet	710104



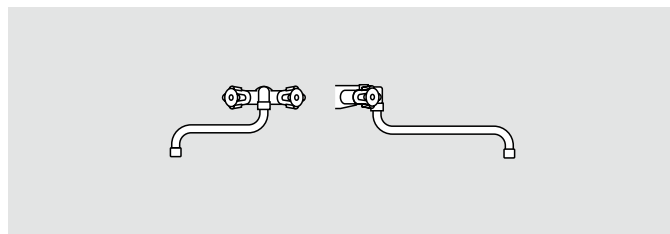
Description	Article no.
corner valve for water with swivelling S outlet	710105



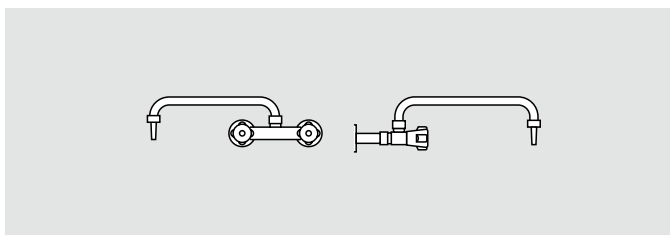
Description	Article no.
corner valve for demineralized water	
projection 50 mm	710601
projection 75 mm	710602



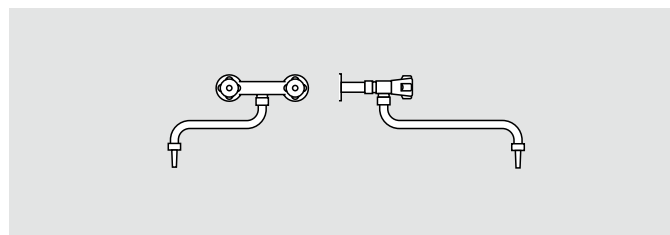
Description	Article no.
unpressurized mixer tap with U outlet	715604



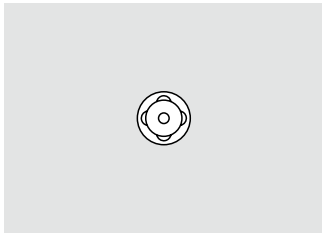
Description	Article no.
unpressurized mixer tap with S outlet	715605



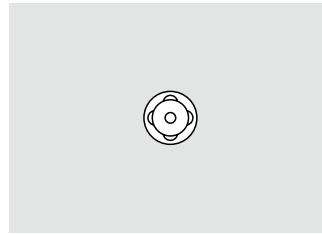
Description	Article no.
pressure-proof mixer tap with U outlet	715004



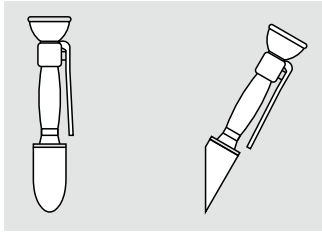
Description	Article no.
pressure-proof mixer tap with S outlet	715005



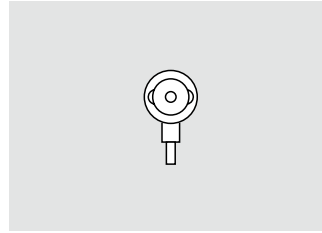
Description	Article no.
stop valve for water	730150



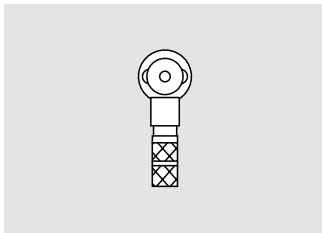
Description	Article no.
stop valve for demineralized water	730650



Description	Article no.
eye shower acc. to DIN 12899 p.2, with vertical spraying shower head	940077

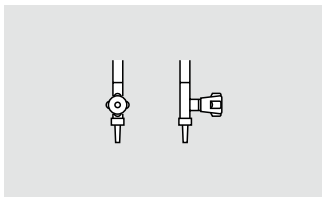


Description	Article no.
angular gas tap with hose outlet	711109

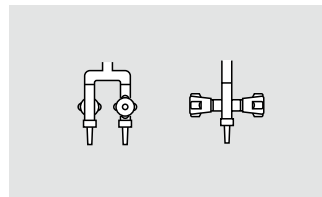


Description	Article no.
angular gas tap with coupling	711920

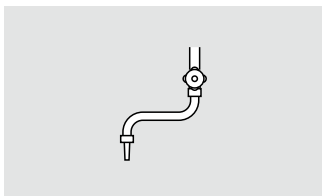
Sanitary fittings for upright bridges



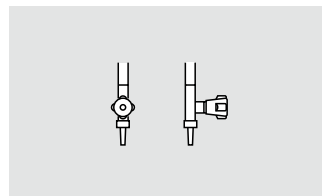
Description	Article no.
straight-way valve for water	720101



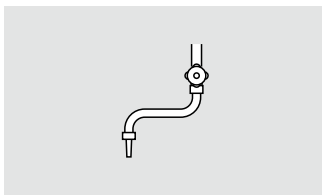
Description	Article no.
dual straight-way valve for water	720102



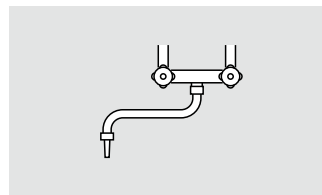
Description	Article no.
straight-way valve for water with S outlet	720105



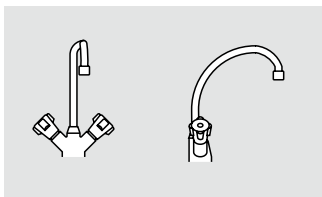
Description	Article no.
straight-way valve for demineralized water	720601



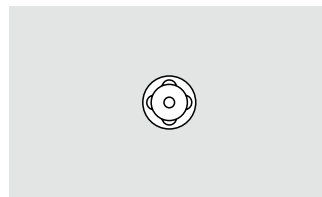
Description	Article no.
straight-way valve for demineralized water with S outlet	720605



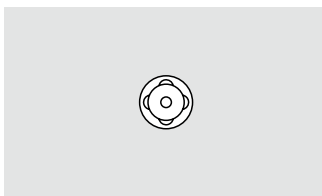
Description	Article no.
pressure-proof mixer tap with S outlet	725005



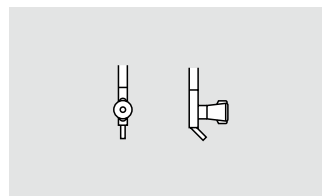
Description	Article no.
unpressurized mixer tap as upright column	735600



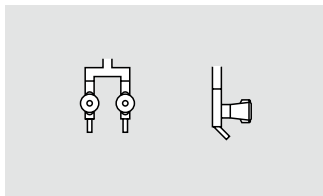
Description	Article no.
stop valve for water	730150



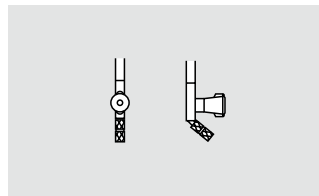
Description	Article no.
stop valve for demineralized water	730650



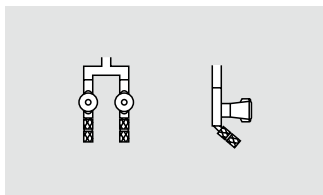
Description	Article no.
straight-way valve for gas with hose outlet	721901



Description	Article no.
dual straight-way tap for gas with hose outlet	721902

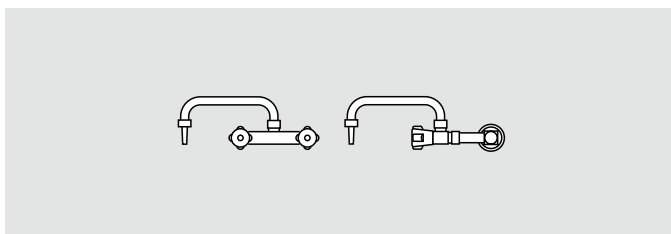


Description	Article no.
straight-way tap for gas with coupling	721920

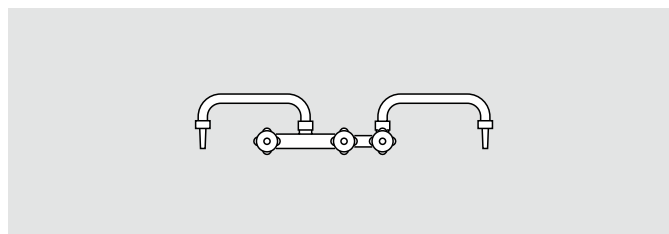


Description	Article no.
dual straight-way tap for gas with coupling	721922

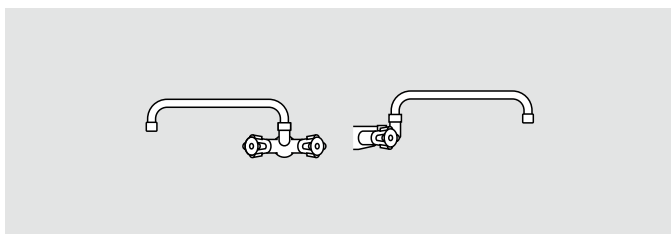
Sanitary fittings for head sinks



Description	Article no.
pressure-proof mixer tap for head sink	715006

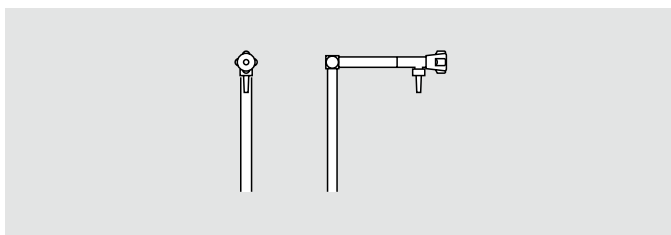


Description	Article no.
pressure-proof mixer tap for head sink with additional U outlet for cold water	715106

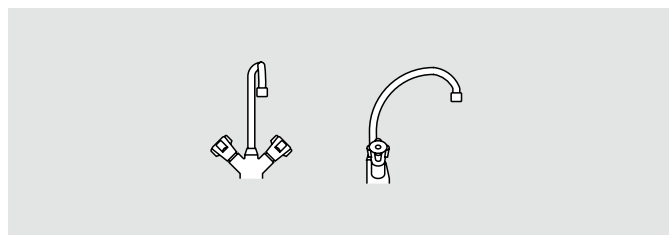


Description	Article no.
pressure-proof mixer tap for head sink	715604

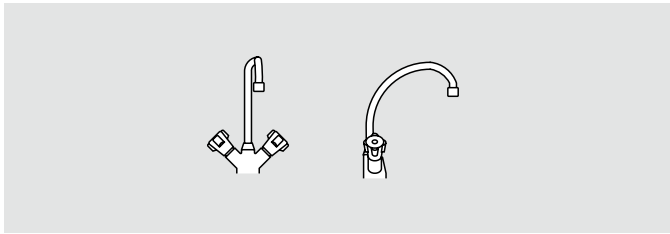
Upright fittings to be installed on worktops



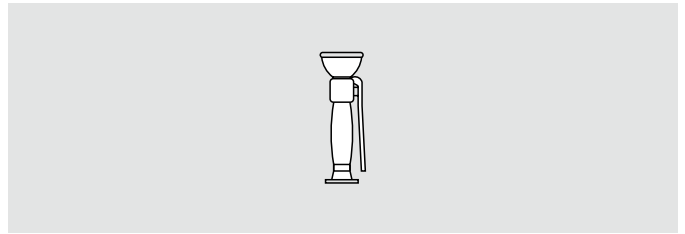
Description	Article no.
upright fitting for water	730111



Description	Article no.
pressure-proof mixer tap as upright fitting	735601



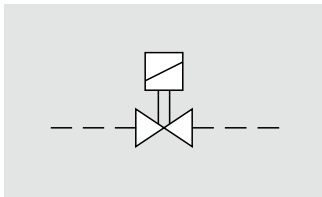
Description	Article no.
unpressurized mixer tap as upright fitting	735600



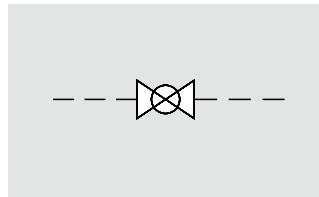
Description	Article no.
eye shower acc. to DIN 12899 T.2, with vertical spraying shower head	940078

Sanitary installations

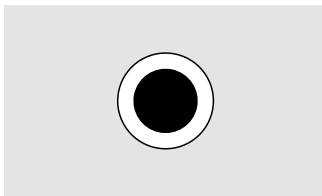
Water installation



Description	Article no.
magnetic water valve 1/2 inch	790150
magnetic water valve 3/4 inch	790151



Description	Article no.
bench connection water, to ball tap on site	790102

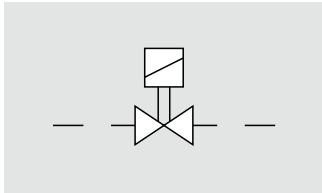


Description	Article no.
bench connection waste water	790106

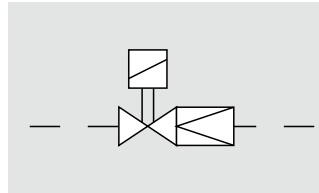


Description	Article no.
unpressurized hot water boiler capacity 5 l	911048
capacity 10 l	911049

Gas installation



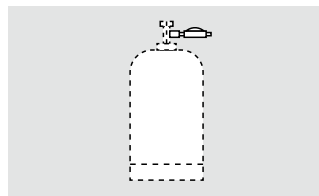
Description	Article no.
magnetic gas valve 1/2 inch	790153
magnetic gas valve 3/4 inch	790154



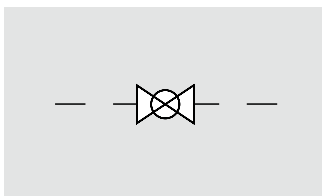
Description	Article no.
gas failure device	790156



Description	Article no.
propane cylinder 5 kg	790157

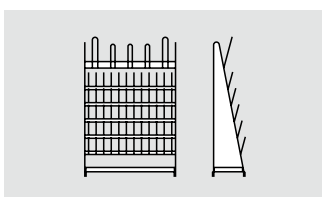


Description	Article no.
pressure reducer with manometer for propane cylinder	790158

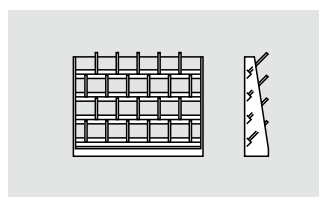


Description	Article no.
bench connection gas, to ball tap on site	790103

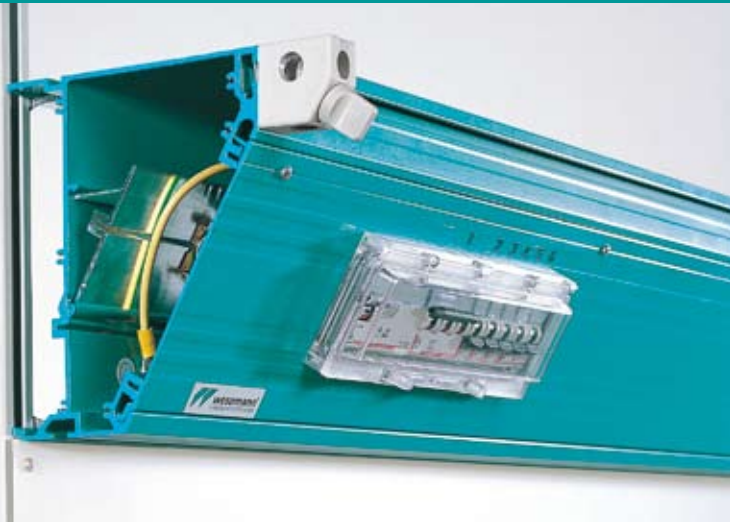
Accessories



Description	Article no.
draining board of mesh for laboratory glassware plastic covered with collection shell, ca. 420 x 170 x 610 mm (W x D x H)	910027



Description	Article no.
draining board of PP 600 x 460 mm colour light grey, with 22 rods for wall or system installation, with collecting groove and outlet spigot ca. 600 x 460 x 100 mm (H x W x D)	910029



- variable equipment with built-in devices from the standard range of products and with special elements
- flexible duct partitioning up to 4 chambers
- installation of data networks
- cover guiding groove with protection against falling out if the duct is open Kanal

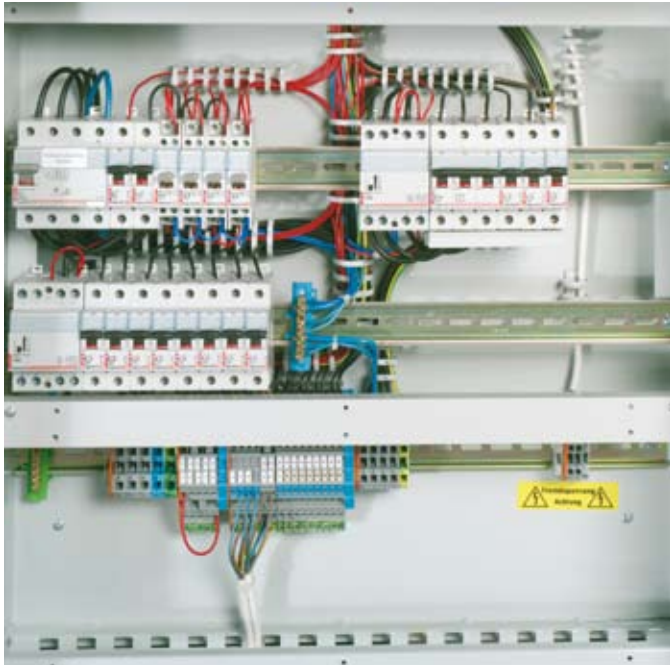


Electric fittings

	<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td>circuit</td> <td>switch</td> <td></td> </tr> <tr> <td>power supply</td> <td>combination</td> <td></td> </tr> <tr> <td>experimenting</td> <td>1 key button</td> <td></td> </tr> <tr> <td>distributor and</td> <td>1 off button</td> <td></td> </tr> <tr> <td>current teacher</td> <td>1 control lamp</td> <td>681035</td> </tr> </tbody> </table>	Application	Description	Article no.	circuit	switch		power supply	combination		experimenting	1 key button		distributor and	1 off button		current teacher	1 control lamp	681035		<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td></td> <td>1 PE jack</td> <td>681048</td> </tr> </tbody> </table>	Application	Description	Article no.		1 PE jack	681048			
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power supply EDP units	earthed socket EDP red 230 V/16 A child protection	681062																												
	empty socket with cover	683052																												
	<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td>power supply teacher with rotary current</td> <td>CEE socket 400 V/16 A</td> <td>681004</td> </tr> </tbody> </table>	Application	Description	Article no.	power supply teacher with rotary current	CEE socket 400 V/16 A	681004		<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td></td> <td>automatic flap IP 44</td> <td></td> </tr> <tr> <td></td> <td>4 units</td> <td>680017</td> </tr> <tr> <td></td> <td>8 units</td> <td>680016</td> </tr> <tr> <td></td> <td>12 units</td> <td>680007</td> </tr> </tbody> </table>	Application	Description	Article no.		automatic flap IP 44			4 units	680017		8 units	680016		12 units	680007						
Application	Description	Article no.																												
power supply teacher with rotary current	CEE socket 400 V/16 A	681004																												
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	<table border="1"> <thead> <tr> <th>Application</th> <th>Description</th> <th>Article no.</th> </tr> </thead> <tbody> <tr> <td>transmission of supplied small voltage to students</td> <td>set of electric fittings 4 selection poles 1 PE jack</td> <td>681008</td> </tr> </tbody> </table>	Application	Description	Article no.	transmission of supplied small voltage to students	set of electric fittings 4 selection poles 1 PE jack	681008																							
Application	Description	Article no.																												
transmission of supplied small voltage to students	set of electric fittings 4 selection poles 1 PE jack	681008																												

The experimenting sub-distribution contains all safety and control elements. A correct wiring with VDE tested elements is a precondition for a safe and longevous product. The documentation of the circuit will be separately created for each distributor and attached to the product in a foil bag.

Electric installation



Application	Description	Article no.
holding of fuse protection and control	distributor box R600	680002
switch off experimenting distribution	main switch 3 poles 63A	680020
fault current breaker	RC circuit br. 40A 0,03A	680007
circuit – experimenting distr. – current teacher – current student	main contactor 40A 4 closing relays	680055
circuit – gas teacher – gas student (2 pcs.) – water teacher – water student	contactor relay 20 A 2 closing relays	680065
circuit selective pole guard	cont.rel. 20A, 4 cl. relays	680066
follow-up control vid. proj.	time relay 8A video proj.	680067
control protection	automatic cutout B 6A 1 pole	680085
magnet.valve protection	automatic cutout B 10A 1 pole	680090
fuse protection	automatic cutout B 16A 1 pole	680095
protection CEE socket	automatic cutout B 16A 3 poles	680145

Application	Description	Article no.
fuse protection experimenting switchboard	automatic cutout C 10A 1 pole	680150
fuse protection experimenting switchboard	automatic cutout C 16A 1 pole	680155
fuse protection experimenting switchboard	automatic cutout C 16A 3 poles	680175
fuse protection experimenting switchboard	automatic cutout C 25A 3poles	680180
circuit light	latching relay 1 pole 16A	680023
fuse protection with fault current breaker	TS-RCCB 16 A 0,03A B1+N	680181
	electric connection to the mains on site experimenting distribution up to 20 lines	600008
	electric connection to the mains on site experimenting distribution up to 40 lines	600009
	electric connection to the mains on site individual line	600005

Laboratory appliances



size H/W/D 820/600/570
underbench appliance for wall
double workbenches

Refrigerator

Description	Article no.
refrigerator	
CFC/HFC-free	
capacity ca. 150 l	
defrosting automatism	
pure white case, interior light	
changeable door stop	
front ventilation (underbench device)	993052
refrigerator	
CFC/HFC-free	
ex-proof interior, free of ignition sources	
capacity ca. 150 l	
defrosting automatism	
pure white case	
changeable door stop	
front ventilation (underbench device)	993062



size H/W/D 820/600/570
underbench appliance for wall and
double workbenches

Refrigerator with freezer compartments

Description	Article no.
refrigerator with freezer compartment	
CFC/HFC-free	
capacity ca. 140 l, 18 l of which are in a *** freezer compartment	
defrosting automatism	
pure white case, interior light	
changeable door stop	
front ventilation (underbench device)	993053
refrigerator with freezer compartment	
CFC/HFC-free	
ex-proof interior, free of ignition sources	
capacity ca. 140 l, 18 l of which are in a *** freezer compartment	
defrosting automatism	
pure white case	
changeable door stop	
front ventilation (underbench device)	993063



size H/W/D 820/600/600
floor-mounted appliance

Laboratory glassware washer

Description	Article no.
laboratory glassware washer	
basic appliance Miele Professional	
type G 7883 Mielabor	
water connections:	
1 x cold water, 1 x hot water, 1 x DI water	
3 x connection hose 1/2" with 3/4" threaded joint	
electric connection: 3 N/PE 400 V	
power input 9.7 KW	911064
basic basket set	911061
bottom basket U874	
top basket O188	



Insert to hold funnels, beaker glasses, wide-necked glassware

Description	Article no.
Insert to hold funnels, beaker glasses, wide-necked glassware	
AK 12 insert 1/2	
H 67+60, W 225, D 442 mm	911088



Insert for reagent glasses

Description	Article no.
insert 1/4 for ca. 200 reagent glasses up to 75 mm type E 103 H 102 (122), W 200, D 320 divided into 6 compartments incl. cover	911082
insert 1/4 for ca. 200 reagent glasses up to 105 mm type E 104 H 132 (152), W 200, D 320 divided into 6 compartments incl. cover	911090
insert 1/4 for ca. 200 reagent glasses up to 165 mm type E 105 H 192 (212), W 200, D 320 divided into 6 compartments incl. cover	911083
insert 1/4 for ca. 200 reagent glasses up to 200 mm type E 139 H 227 (247), B 200, T 320 divided into 6 compartments incl. cover	911091



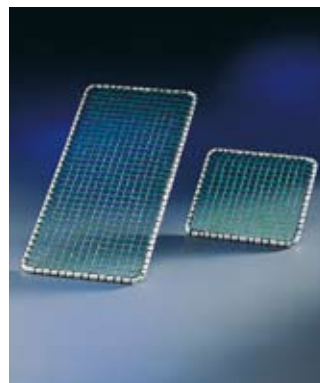
Insert spring hooks

Description	Article no.
insert 1/2 with spring hooks in 2 heights type E 106 H 186, W 195, D 430 mm 10 spring hooks 175 mm 18 spring hooks 105 mm distance ca. 60 mm	911084



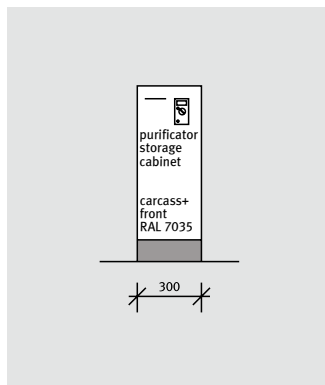
Insert beaker glasses

Description	Article no.
insert 1/2 for 21 beaker glasses of up to 250 ml type E 109 H 155, W 230, D 460 mm 21 x 3 holding rods, for bottom basket	911085



Covering net

Description	Article no.
A2 covering net 1/2 216 x 456 mm	911086
A3 covering net 1/4 206 x 206 mm	911087



size H/W/D 850/300/600
floor-mounted appliance f. UB

Water demineralization device

Description	Article no.
water demineralization device basic appliance without cartridge storage cabinet for water demineralization cartridge, compatible for Miele laboratory glass washer, resistivity metre integrated into front	911065
ion exchange cartridge of stainless steel V4A pressure-proof up to 10 bar, with quality mixed bed resins capacity at 20 µS/cm and 10 °d 2800 l max. output 950 l/h	911004

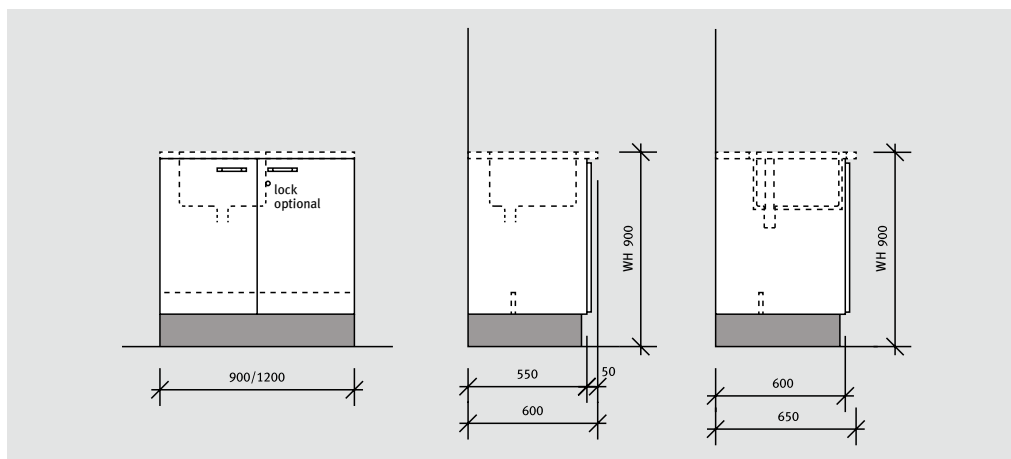


Water demineralization unit for wall installation

Description	Article no.
water demineralization unit for wall installation unpressurized cartridge of polyethylene, filled with quality mixed bed resins with analogue resistivity metre	
capacity at 20 µS/cm and 10 °d 750 l max. output 100 l/h	911007
spare cartridge DI 750	911006

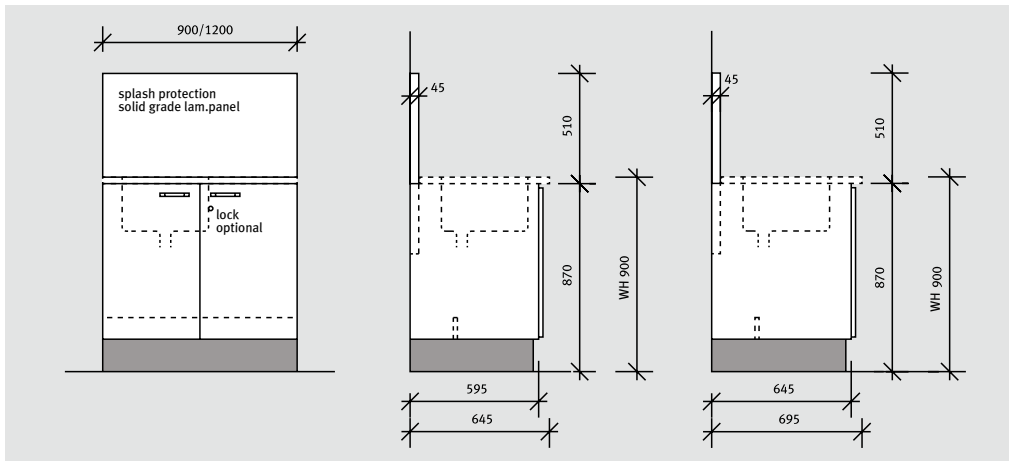


Stand-alone sinks



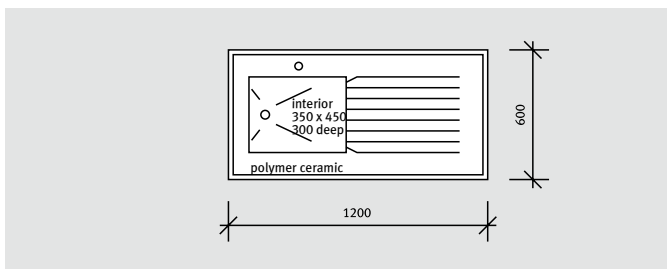
Underbench unit for sink covering

Description	Article no.
underbench unit for sink covering	
depth 600 mm	
modular grid 900 hinged doors	872355
modular grid 1200 hinged doors	872356
underbench unit for sink covering	
depth 650 mm	
modular grid 900 hinged doors	875355
modular grid 1200 hinged doors	875356
espagnolette	913104



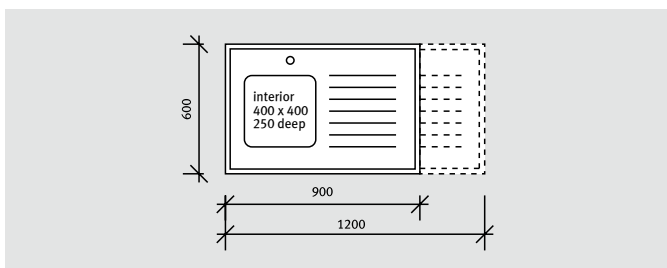
Underbench unit with rear wall frame

Description	Article no.
underbench unit with rear wall frame for sink coverings depth 600 mm	
modular grid 900 hinged doors	871135
modular grid 1200 hinged doors	871136
underbench unit with rear wall frame for sink coverings depth 650 mm	
modular grid 900 hinged doors	872135
modular grid 1200 hinged doors	872136
espagnolette	913104



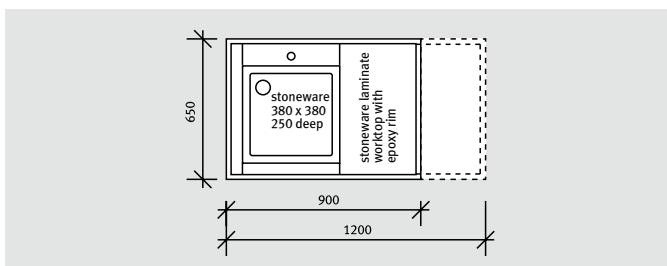
Sink covering of polymer ceramic depth 600 mm

Description	Article no.
sink covering of polymer ceramic depth 600 mm	
modular grid 1200	305001
can be used on the left and right side	



Sink covering of polypropylene depth 600 mm

Description	Article no.
sink covering of polypropylene depth 600 mm	
modular grid 900	
sink left	381431
sink right	381432
modular grid 1200	
sink left	381433
sink right	381434



Worktop of fine stoneware laminate depth 650 mm

Description	Article no.
worktop of fine stoneware laminate depth 650 mm	
modular grid 900	352405
modular grid 1200	352406
stoneware sink for fine stoneware laminate worktop	
colour white	363545
drilled hole in worktop	356210

For upright fittings to be installed on worktops
please see pages 116/117

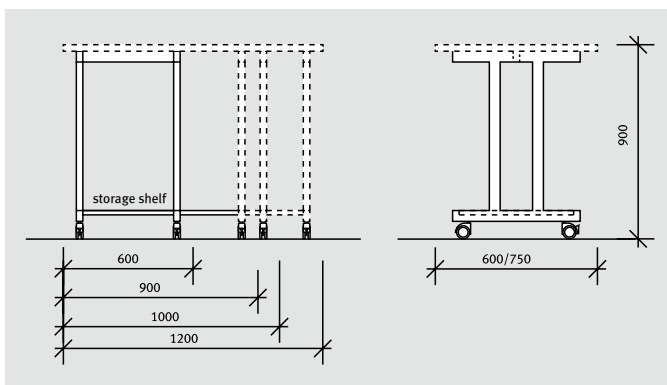


Mobile table on teacher desk, modular grid 1000 with a storage level, worktop melamine.

Mobile tables and racks

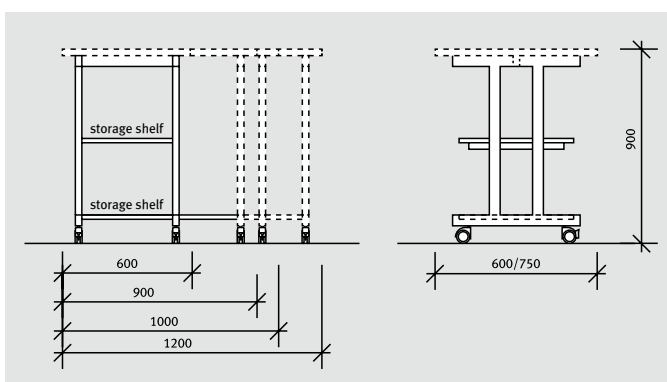


Mobile table on demonstration fume cupboard, modular grid 1000, with a storage level, worktop stoneware laminate.



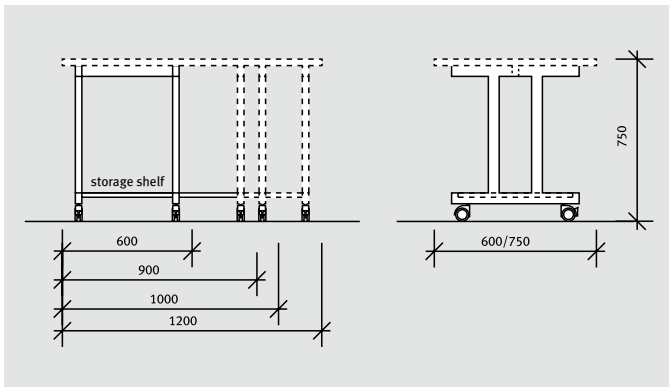
Frame

Description	Article no.
frame	
working height 900 mm	
for bench depth 600–750 mm	
with 1 storage level	
modular grid 600	292353
modular grid 750	292354
modular grid 900	292355
modular grid 1000	292351
modular grid 1200	292356



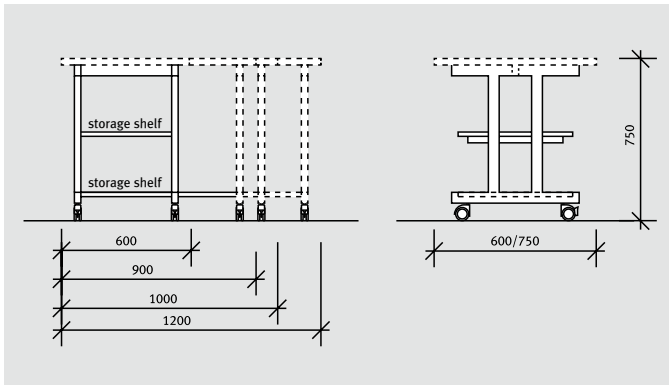
Frame

Description	Article no.
frame	
working height 900 mm	
for bench depth 600–750 mm	
with 2 storage levels	
modular grid 600	292373
modular grid 750	292374
modular grid 900	292375
modular grid 1000	292371
modular grid 1200	292376



Frame

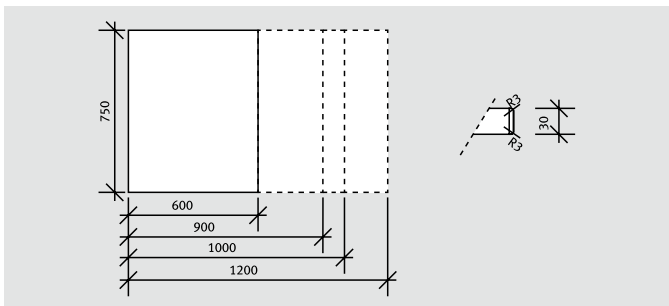
Description	Article no.
frame	
working height 750 mm	
for bench depth 600–750 mm	
with 1 storage level	
modular grid 600	292343
modular grid 750	292344
modular grid 900	292345
modular grid 1000	292341
modular grid 1200	292346



Frame

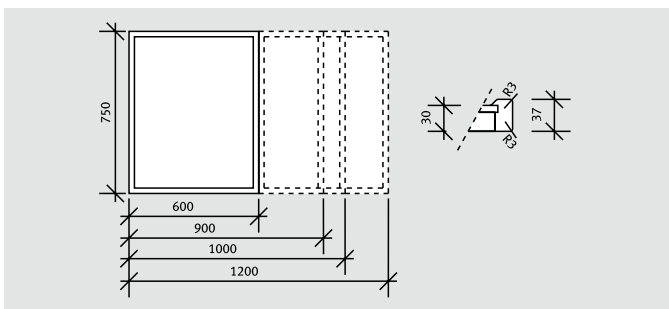
Description	Article no.
frame	
working height 750 mm	
for bench depth 600–750 mm	
with 2 storage levels	
modular grid 600	292363
modular grid 750	292364
modular grid 900	292365
modular grid 1000	292361
modular grid 1200	292366

Worktops for mobile tables



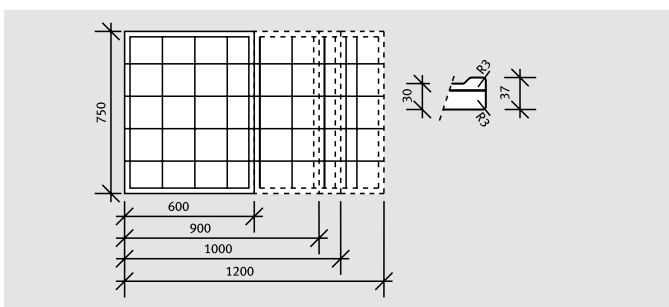
Worktops with melamine resin surface

Description	Article no.
melamine resin surface	
depth 750 mm	
modular grid 600	310143
modular grid 900	310145
modular grid 1000	310140
modular grid 1200	310146



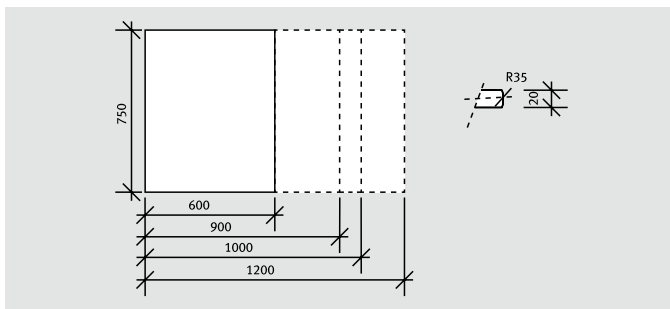
Worktops of fine stoneware laminate

Description	Article no.
fine stoneware laminate	
depth 750 mm	
modular grid 600	352443
modular grid 900	352445
modular grid 1000	352440
modular grid 1200	352446



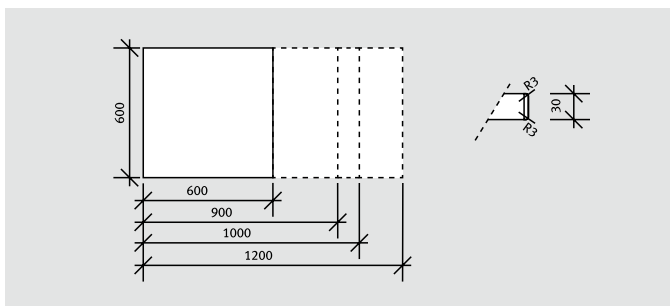
Worktops red tiles

Description	Article no.
red tiles	
depth 750 mm	
modular grid 600	320143
modular grid 900	320145
modular grid 1000	320140
modular grid 1200	320146



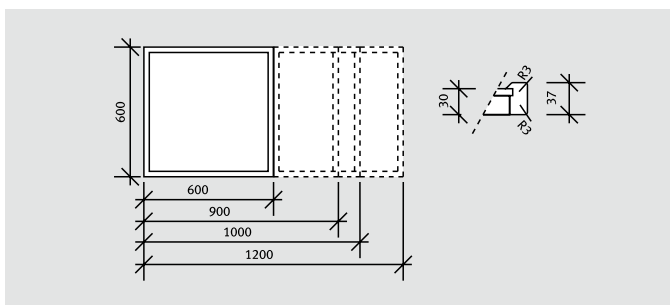
Solid grade laminate worktops

Description	Article no.
solid grade laminate board	
depth 750 mm	
modular grid 600	370143
modular grid 900	370145
modular grid 1000	370140
modular grid 1200	370146



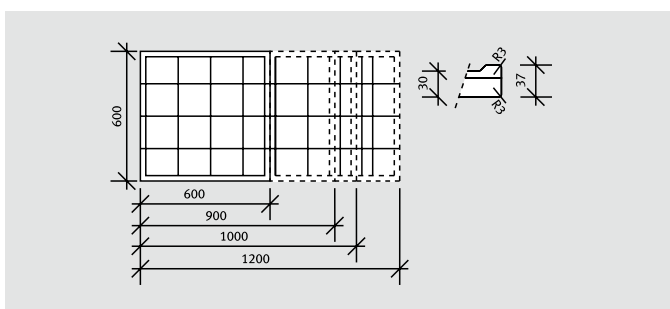
Worktops with melamine resin surface

Description	Article no.
melamine resin surface	
depth 600 mm	
modular grid 600	310133
modular grid 900	310135
modular grid 1000	310131
modular grid 1200	310136



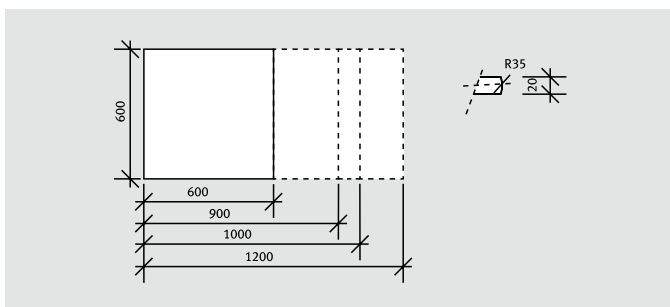
Fine stoneware laminate worktops

Description	Article no.
fine stoneware laminate	
depth 600 mm	
modular grid 600	352443
modular grid 900	352445
modular grid 1000	352441
modular grid 1200	352446



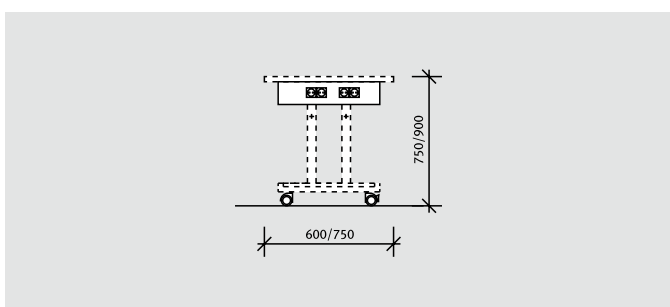
Worktops with red tiles

Description	Article no.
red tiles	
depth 600 mm	
modular grid 600	320143
modular grid 900	320145
modular grid 1000	320141
modular grid 1200	320146



Solid grade laminate worktop

Description	Article no.
solid grade laminate board	
depth 600 mm	
modular grid 600	370143
modular grid 900	370145
modular grid 1000	370141
modular grid 1200	370146



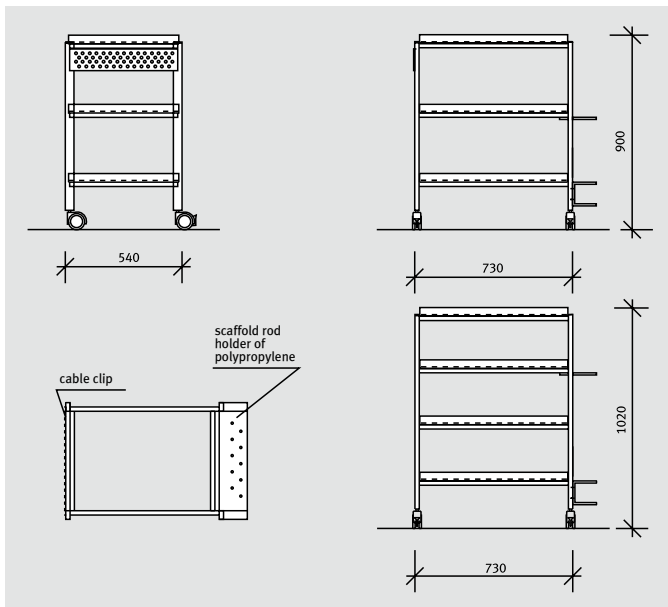
Electric supply for mobile tables

Description	Article no.
electric duct equipped with:	
4 earthed sockets	
2 cable clips	
1 connection line 5 m with earthed socket	682060



Illustration of instrument trolley with 3 plastic storages

Instrument trolley



Instrument trolley

Description	Article no.
instrument trolley	
3 detachable plastic storages	
with upstand	
scaffold rod holder	
cable clip	
4 guide pulleys, 2 of them with stoppers	291067

Description	Article no.
instrument trolley	
4 detachable plastic storages	
with upstand	
scaffold rod holder	
cable clip	
4 guide pulleys, 2 of them with stoppers	291068

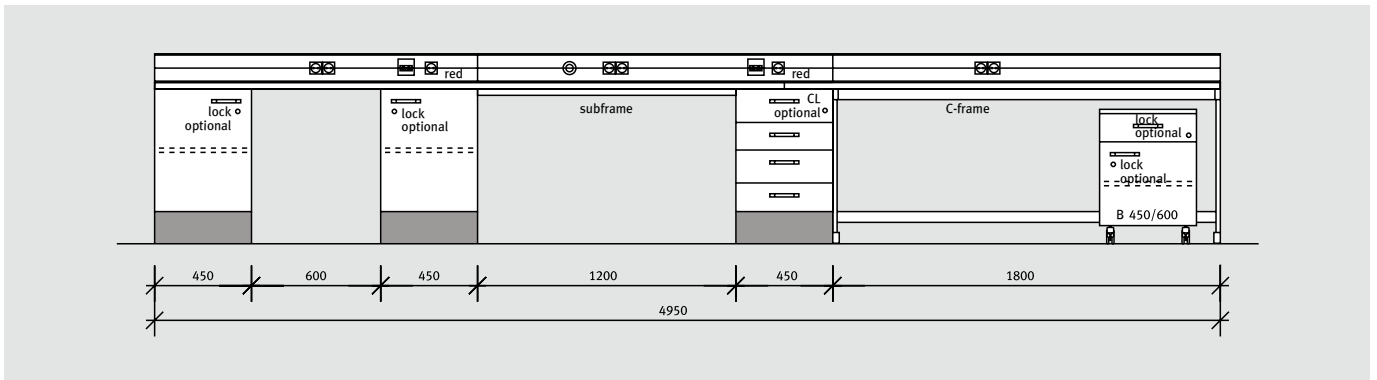


Steel cylinder trolley

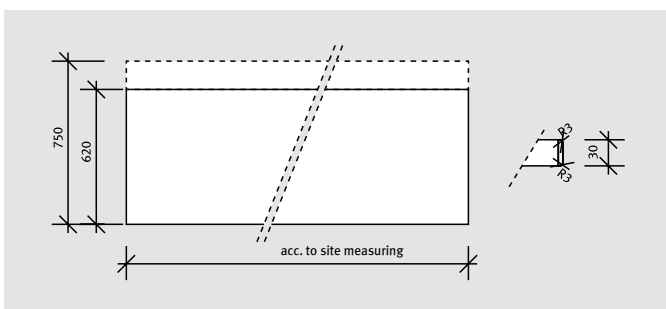
Description	Article no.
steel cylinder trolley	
to hold gas cylinders	
2 rubber rolls	
safety chain	940079



Arrangement example

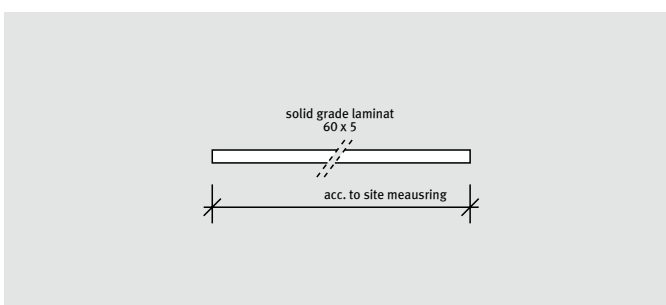


Bench systems



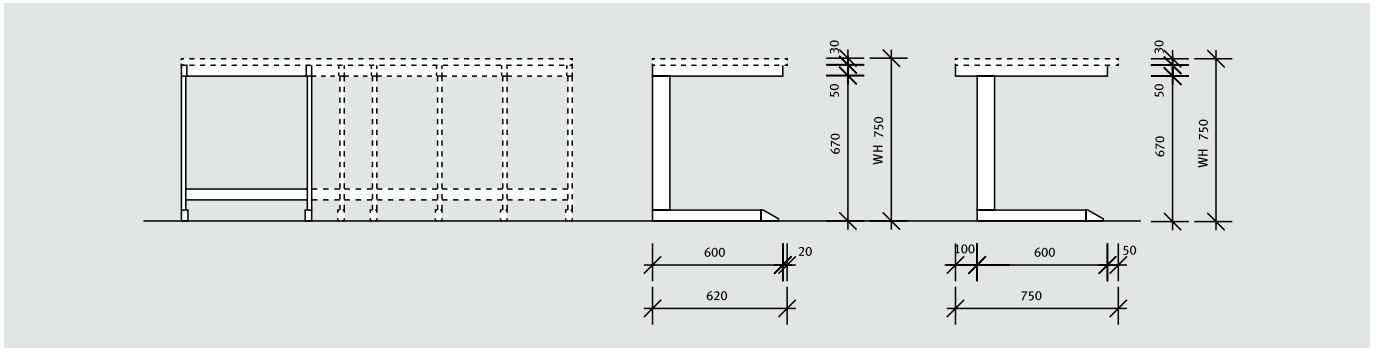
Worktops with melamine resin surface

Description	Article no.
worktops with melamine resin surface depth 620 mm 1 running metre	311190
worktops with melamine resin surface depth 750 mm 1 running metre	311140



Upstand for worktops

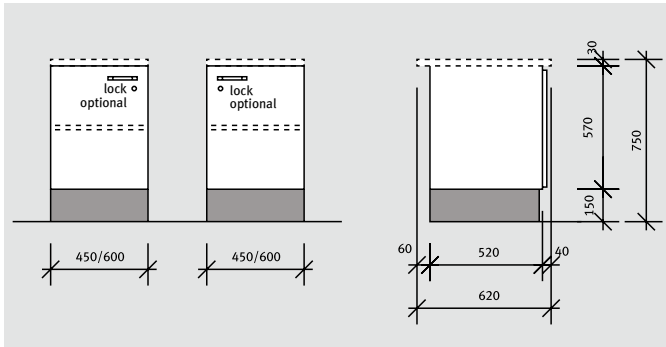
Description	Article no.
upstand for worktops with melamine resin worktop of 5 mm solid grade laminat 1 running metre	318110



C-frame

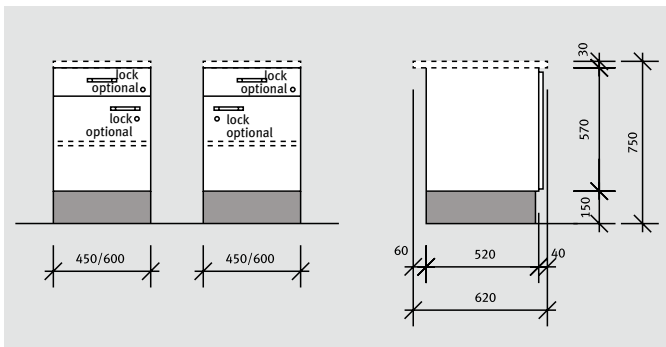
Description	Article no.
C-frame for benchtop depth 620 mm	
modular grid 600	296343
modular grid 750	296344
modular grid 900	296345
modular grid 1200	296346
modular grid 1500	296347
modular grid 1800	296348

Description	Article no.
C-frame for benchtop depth 750 mm	
modular grid 600	296443
modular grid 750	296444
modular grid 900	296445
modular grid 1200	296446
modular grid 1500	296447
modular grid 1800	296448



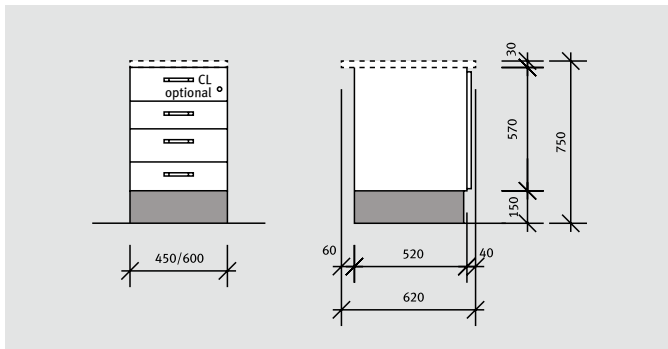
Underbench unit with hinged doors

Description	Article no.
underbench unit with hinged door 1 shelf	
door left modular grid 450	870142
door right modular grid 450	870242
door left modular grid 600	870143
door right modular grid 600	870243
back lock	913101



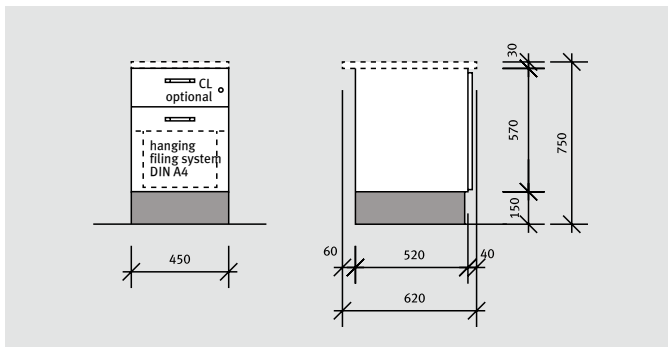
Underbench unit with 1 drawer, hinged door

Description	Article no.
underbench unit with 1 drawer, hinged door 1 shelf	
door left modular grid 450	870342
door right modular grid 450	870442
door left modular grid 600	870343
door right modular grid 600	870443
back lock	913101



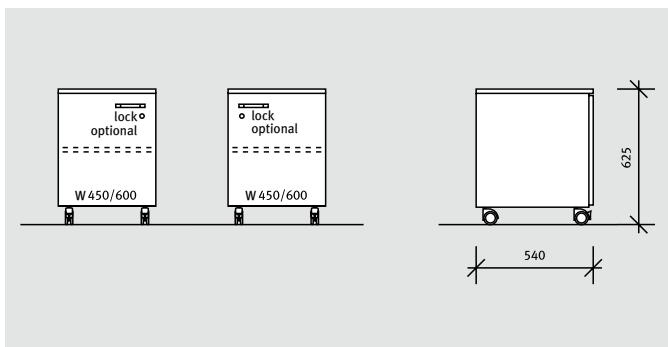
Underbench unit with 4 drawers

Description	Article no.
underbench unit with 4 drawers	
4 drawers 1 HE	
modular grid 450	870642
modular grid 600	870643
central lock	913103



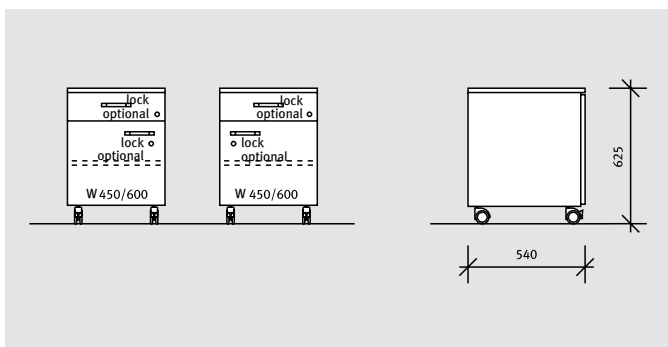
Underbench unit with 2 drawers

Description	Article no.
underbench unit with 2 drawers	
1 drawer 1.5 HE	
1 drawer with hanging filing system	
modular grid 450	871142
central lock	913103



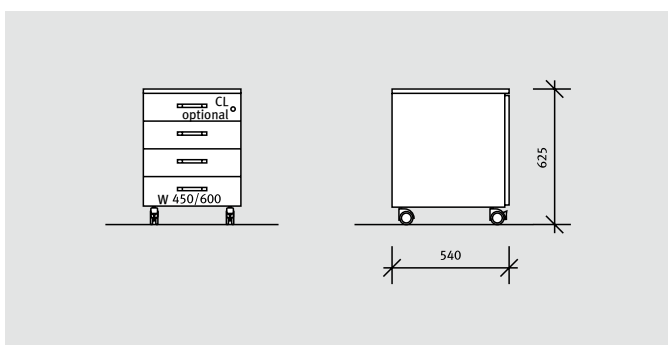
Underbench unit with hinged door, mobile

Description	Article no.
underbench unit with hinged door, mobile	
1 shelf	
door left modular grid 450	850142
door right modular grid 450	850242
door left modular grid 600	850143
door right modular grid 600	850243
back lock	913101



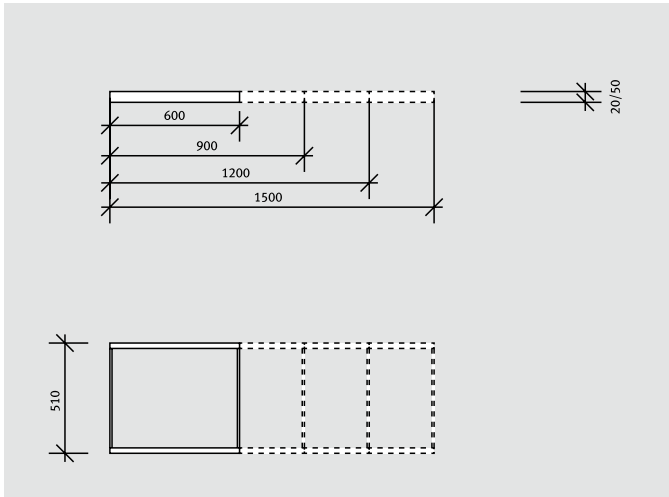
Underbench unit with 1 drawer, hinged door, mobile

Description	Article no.
underbench unit with 1 drawer, hinged door	
mobile	
1 shelf	
door left modular grid 450	850342
door right modular grid 450	850442
door left modular grid 600	850343
door right modular grid 600	850443
back lock	913101



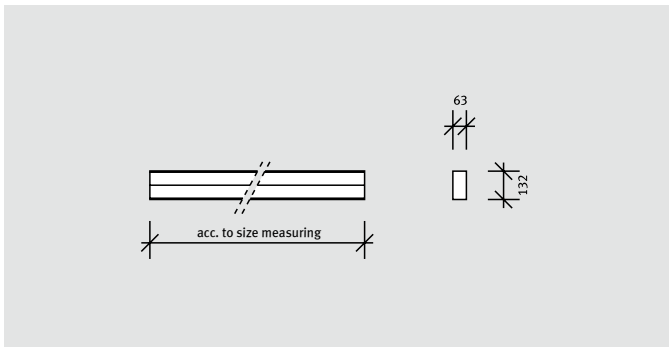
Underbench unit with 4 drawers, mobile

Description	Article no.
underbench unit with 4 drawers, mobile	
4 drawers 1 HE	
modular grid 450	850642
modular grid 600	850643
central lock	913103



Subframe

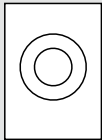
Description	Article no.
subframe	
frame height 50 mm	
modular grid 600	299093
modular grid 900	299095
modular grid 1200	299096
modular grid 1500	299097
frame height 20 mm	
modular grid 600	296093
modular grid 900	299095
modular grid 1200	299096
modular grid 1500	299097



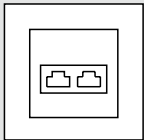
Electric duct

Description	Article no.
electric duct	
aluminium duct with	
plastic cover	
1 running metre	610001

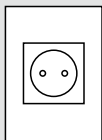
Electric installations



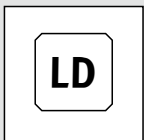
emergency cutout experimenting distributor	emergency stop	681034
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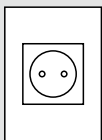
network connection	data socket RJ 45 CAT 6 unwired	
	single socket	651903
	double socket	651904



power supply	earthed socket 230 V/16 A child protection	681001
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	empty socket with cover	683052
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power supply EDV units	earthed socket EDV red 230 V/16 A child protection	681062
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Vividly presented knowledge

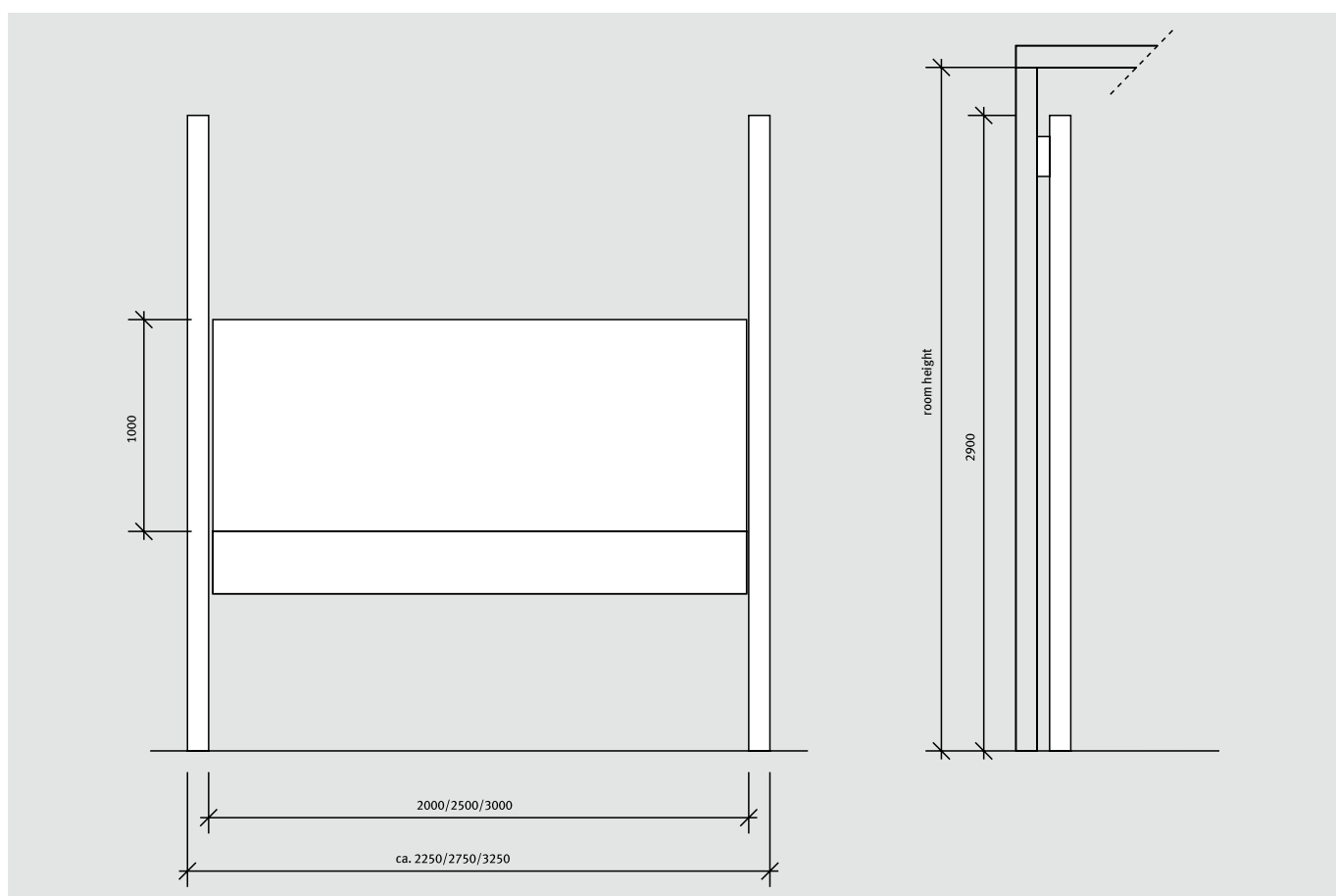
The presentation of information occupies an important key role.

Only the latest state-of-the-art corresponds to the expectations of students and teachers alike.





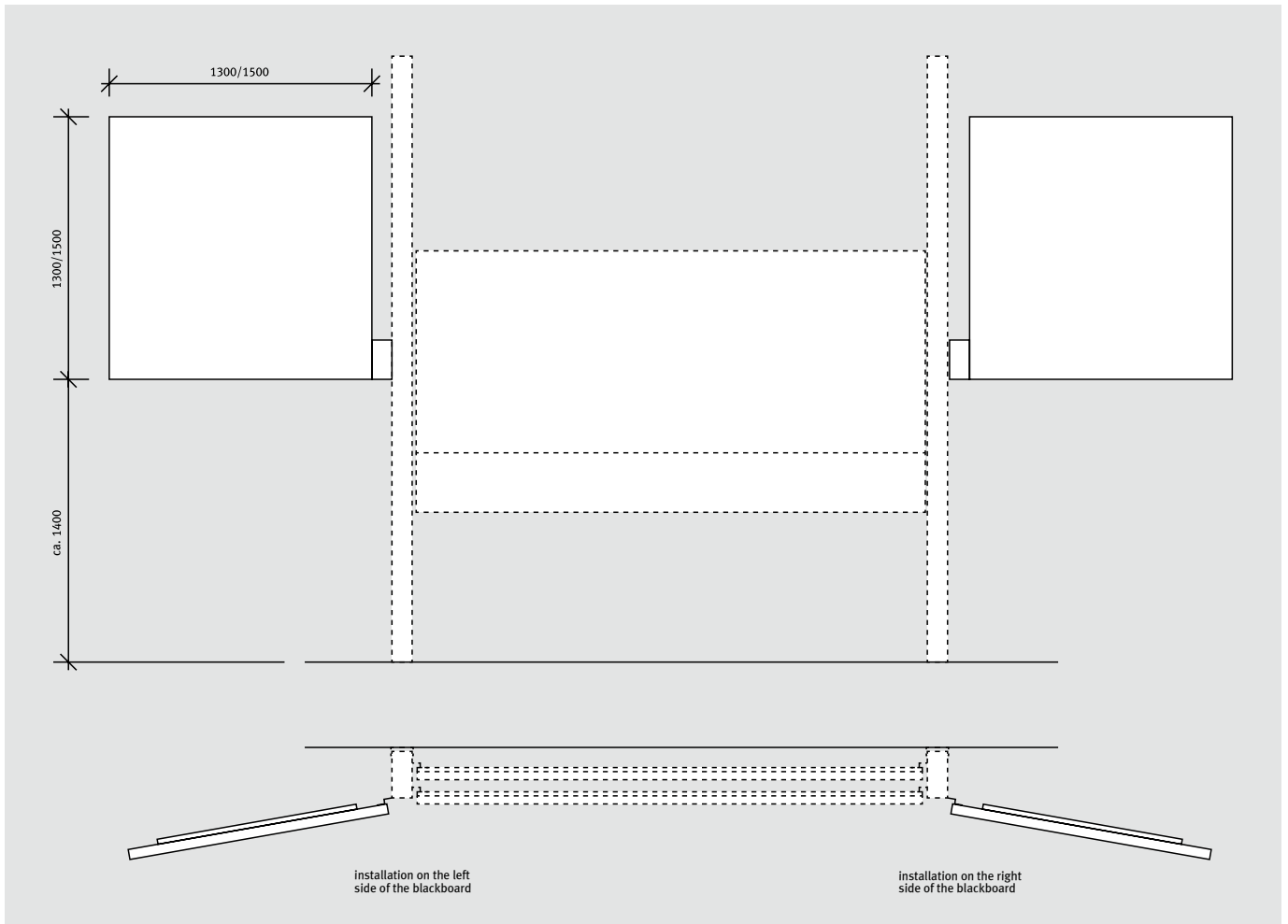
Blackboard on columns



Twin blackboard on columns

Description	Article no.
twin blackb. on col. 2000 x 1000, green areas	950100
twin blackb. on col. 2500 x 1000, green areas	950101
twin blackb. on col. 3000 x 1000, green areas	950102
lines for green writing area 1 m ²	950105
wall board installation set for blackb. on col.	950118

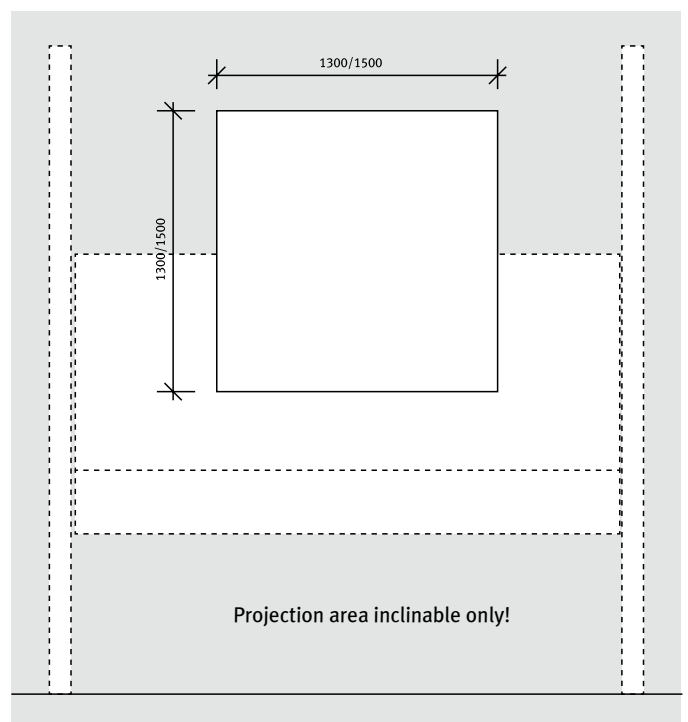
Description	Article no.
twin blackb. on col. 2000 x 1000, white areas	950114
twin blackb. on col. 2500 x 1000, white areas	950115
twin blackb. on col. 3000 x 1000, white areas	950116
lines for white writing area 1 m ²	950117



Projection areas to be installed on the column

Bezeichnung	Artikel-Nr.
projection area W x H 1300 x 1300, installation on column, 20° inclinable, 30° swivelling, installation on the left side of the blackboard	950130
projection area W x H 1500 x 1500, installation on column, 20° inclinable, 30° swivelling, installation on the right side of the column	950132
projection area W x H 1300 x 1300, installation on column, 20° inclinable, 30° swivelling, installation on the right side of the blackboard	950131
projection area B x H 1500 x 1500, installation on column, 20° inclinable, 30° swivelling, installation on the right side of the blackboard	950133

Projection areas

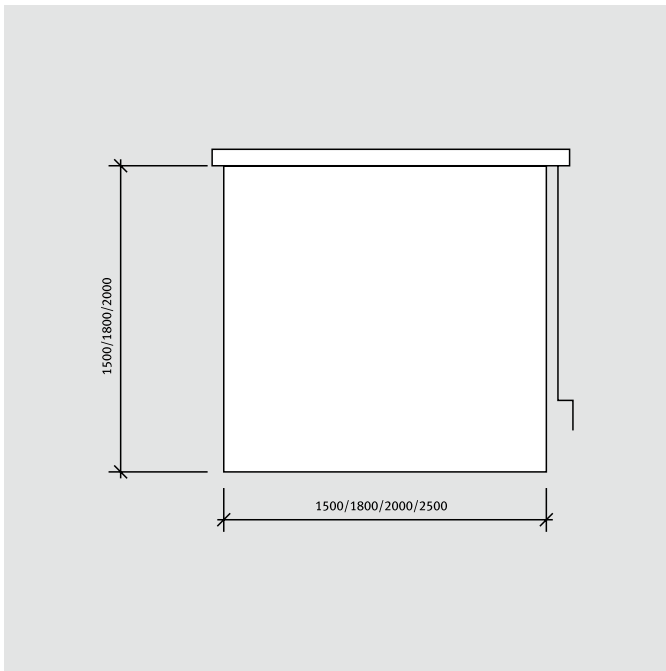


Projection areas to be installed on the wall (also between the columns)

Description	Article no.
projection area W x H 1300 x 1300 wall installation, 20° inclinable	950120
projection area W x H 1500 x 1500 wall installation, 20° inclinable	950121
wall board installation set for projection area	950122



Slide walls



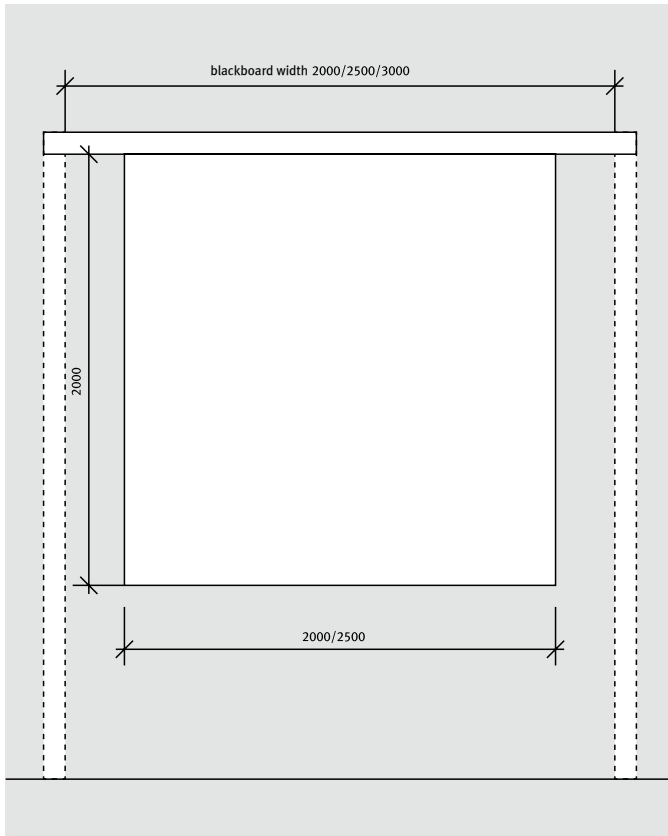
Slide walls with holding device for ceiling and wall installation

Description	Article no.
slide wall W x H 1500 x 1500, aluminium case, crank drive	950126
slide wall W x H 1800 x 1800, aluminium case, crank drive	950127
slide wall W x H 2000 x 2000, aluminium case, crank drive	950128
slide wall W x H 2500 x 2000, aluminium case, crank drive	950129

Slide walls with holding device for ceiling and wall installation with electric motor

Description	Article no.
slide wall W x H 1500 x 1500, aluminium case, electric motor	950134
slide wall W x H 1800 x 1800, aluminium case, electric motor	950135
slide wall W x H 2000 x 2000, aluminium case, electric motor	950136
slide wall W x H 2500 x 2000, aluminium case, electric motor	950137

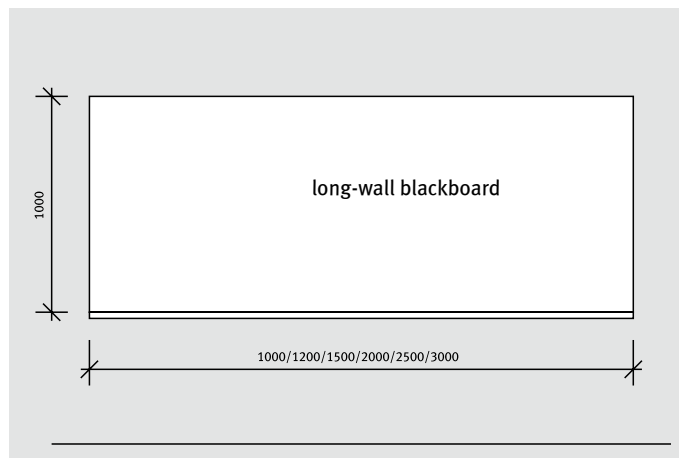
low noise electric motor with automatic limit stop



Slide wall with holding device for column fixation

Description	Article no.
slide wall W x H 2000 x 2000, for blackboard 2000 mm wide, aluminium case, crank drive	950123
slide wall W x H 2000 x 2000, for blackboard 2500 mm wide, aluminium case, crank drive	950112
slide wall W x H 2000 x 2000, for blackboard 3000 mm wide, aluminium case, crank drive	950113
slide wall W x H 2500 x 2000, for blackboard 2500 mm wide, aluminium case, crank drive	950124
slide wall W x H 2500 x 2000, for blackboard 3000 mm wide, aluminium case, crank drive	950125

Long-wall blackboard



Long-wall blackboards, enamelled green sheet steel, magnetically adhering with chalk storage

Description	Article no.
long-wall blackboard W x H 1000 x 1000 mm	950169
long-wall blackboard W x H 1200 x 1000 mm	950170
long-wall blackboard W x H 1500 x 1000 mm	950171
long-wall blackboard W x H 2000 x 1000 mm	950151
long-wall blackboard W x H 2500 x 1000 mm	950152
long-wall blackboard W x H 3000 x 1000 mm	950153

Long-wall blackboards, enamelled white sheet steel, magnetically adhering with chalk storage

Description	Article no.
long-wall blackboard W x H 1000 x 1000 mm	950172
long-wall blackboard W x H 1200 x 1000 mm	950173
long-wall blackboard W x H 1500 x 1000 mm	950174
long-wall blackboard W x H 2000 x 1000 mm	950175
long-wall blackboard W x H 2500 x 1000 mm	950176
long-wall blackboard W x H 3000 x 1000 mm	950177

Long-wall blackboards, natural cork

Description	Article no.
long-wall blackboard W x H 1000 x 1000 mm	950155
long-wall blackboard W x H 1200 x 1000 mm	950178
long-wall blackboard W x H 1500 x 1000 mm	950179
long-wall blackboard W x H 2000 x 1000 mm	950156
long-wall blackboard W x H 2500 x 1000 mm	950180
long-wall blackboard W x H 3000 x 1000 mm	950157

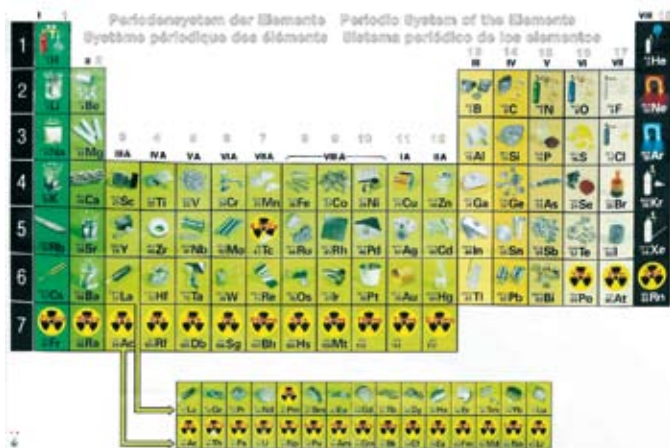
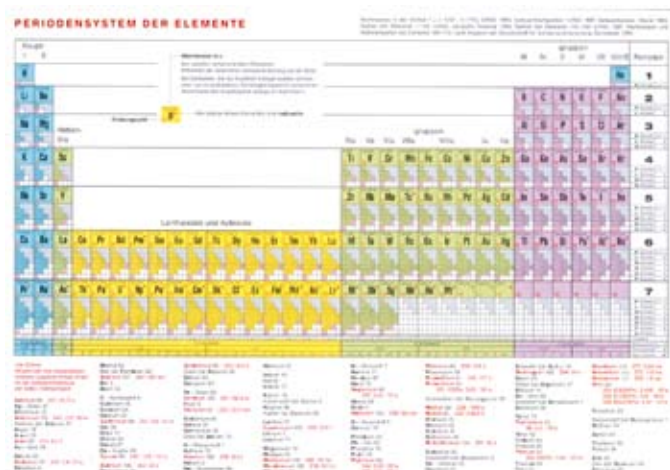
Accessories for lang-wall blackboard

Description	Article no.
clamping panel for pictures	
incl. picture clamps per rm 1 m	950160

Accessories for blackboards

Description	Article no.
set of drawing instruments, 6 pieces	950110
set of drawing instruments, 6 pcs., magn. adh.	950119

Periodical systems

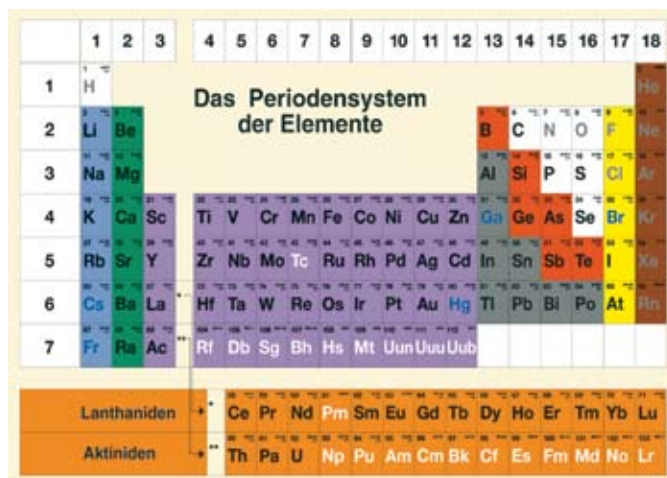


Periodical system of the elements

Description	Article no.
periodical system of the elements	
with photos of the elements	
wall map as roller wall	
size: 2290 x 1530 mm	950168

Periodical systems of the elements

Description	Article no.
periodical systems of the elements	
long periodical form with configuration of electrons	
wall map as roller wall	
size: 1950 x 1380 mm	950167



Periodical system of the elements

Description	Article no.
periodical system of the elements	
wall map on screen as roller wall	
size: 1200 x 800 mm	950166



Interactive whiteboards transmit the actions executed on the board to a connected computer. A supplied software realizes the actions. The computer is connected to a video projector that projects the computer screen on to the board. The board has a touch-sensitive surface that reacts by pressing with a pen or with the finger. The three components whiteboard, computer and video projector enable to interactively work on a large surface in front of the class.

Interactive whiteboards



Description	Article no.
WebsterBoard TS 600 size: 78" = 1650 x 1090 mm solution 8000 x 8000 points	930120
WebsterBoard TS 800 size: 104" = 2410 x 1090 mm resolution 8000 x 8000 points	930121
rack on rolls for Webster TS 600 4 firmly adjustable roller guides fast height adjustment	930122



Video projector and accessories



Data/video projector

Description	Article no.
data/video projector	
XGA resolution	
support for resolutions from VGA to UXGA	
intensity of light 1500 ANSI lumen	
noise level < 38 dB(A)	
weight: 2.9 kg	930112

Data/video projector

Description	Article no.
daten/video projector	
XGA resolution	
support for resolutions from VGA to SXGA/UXGA	
intensity of light 2000 ANSI lumen	
noise level < 38 dB(A)	
weight: 2.9 kg	930110

Ceiling holder for video projector

Description	Article no.
ceiling holder for video projector	
with compensation joint, extendable from 60 to 100 cm (in steps of 10 cm), up to a projector weight of 15 kg	
inclination up to $\pm 15^\circ$ in projection axis, $\pm 10^\circ$ on the side	
	930101

Plug&Play video/audio selector

Description	Article no.
Plug&Play video/audio selector for an easy and clear connection of all required signal sources (e.g. video, PC or audio) to a DP proprocessor. Up to threest video signals can be connected to this appliance.	
	930105

TV holding devices



Ceiling holding device for TV

Description	Article no.
ceiling holding device for TV	
length of ceiling rod is infinitely variable from 550 to 800 mm; execution with Vario bow	
flat steel collar	
suitable for appliance sizes 560 - 800 mm width, and 420-560 mm height	950005

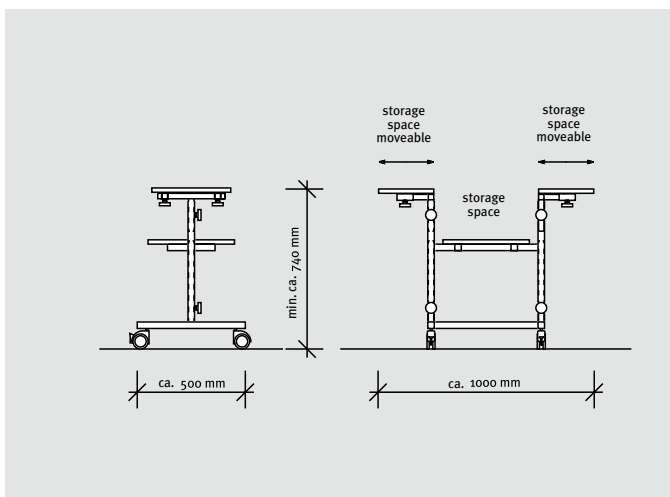


Wall holding device for TV

Description	Article no.
wall holding device for TV	
execution with Vario bow	
flat steel collar	
suitable for appliance sizes 560-800 mm width, and 420-560 mm height	950006

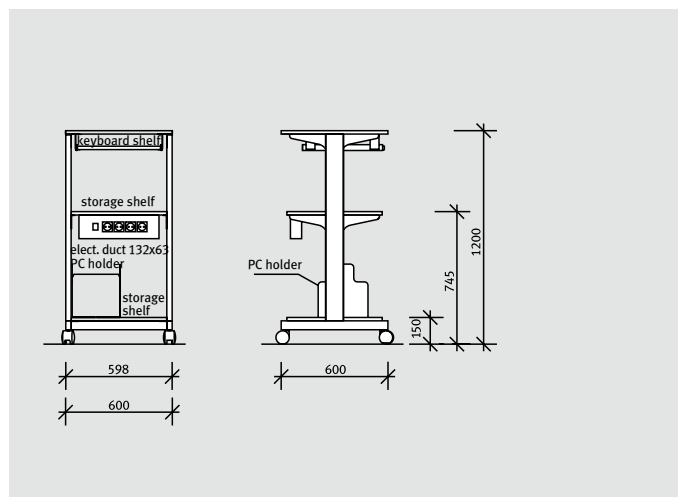


Projection trolley



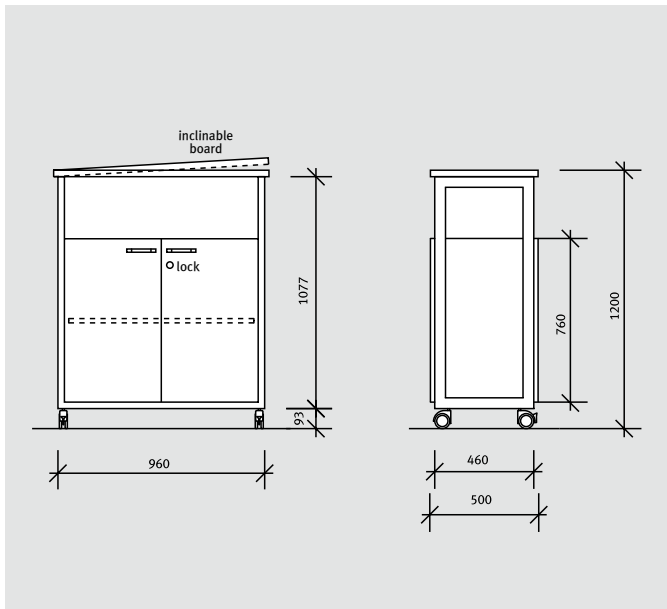
Daylight projector trolley

Description	Article no.
daylight projector trolley	
melamine storage board	
side and height adjustable	
height adjustment from ca. 740 to 1050 mm	
4 double guide castors, 2 of which w. stoppers	291060



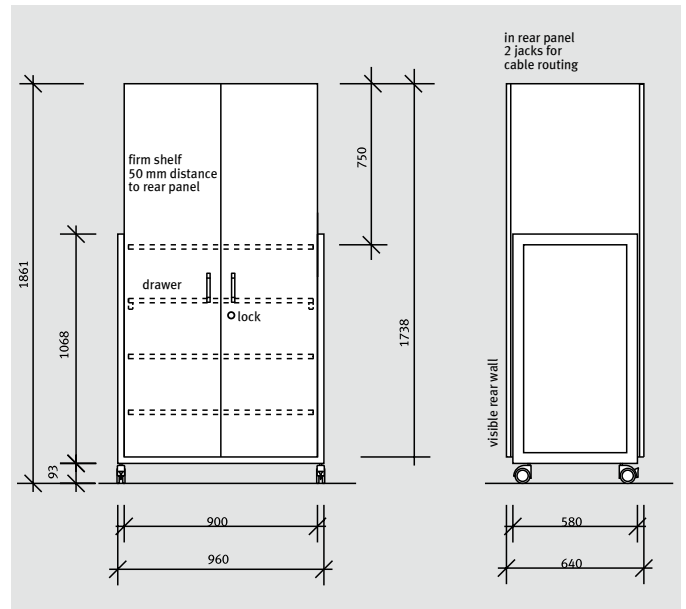
Video projector/PC station

Description	Article no.
video projector/PC station	
three melamine storage levels	
keyboard shelf	
4 double guide castors, 2 of which w. stoppers	291065
electric module with 4 earthed sockets	201070
230 V/16 A and 3 m ready to plug in supply line	201070
CPU holder	291071



Projector trolley

Description	Article no.
projector trolley	
with inclined and adjustable melamine worktop	
1 underbench elements with	
2 hinged doors with back lock	
1 adjustable shelf	
4 double guide castors, 2 of which w. stoppers	291061



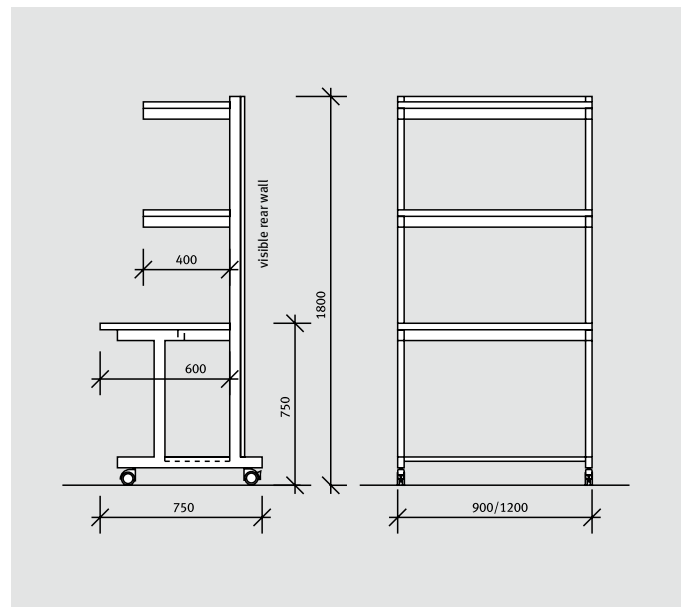
TV/video trolley

Description	Article no.
TV/video trolley	
1 underbench element with	
2 hinged doors with espagnolette	
1 firm shelf	
1 shelf on roller guide track	
2 adjustable shelves	
visible rear wall with cable routings	
4 double guide castors, 2 of which w. stoppers	291062



PC station

Description	Article no.
mobile PC station	
width: 600 mm	
depth: 620 mm	
height: 740–1100 mm (20 mm grid)	
mobile PC workstation with monitor protection panel of perforated sheet steel and CPU holder at the back;	
upper storage space also for heavy monitors	
4 double guide castors, 2 of which w. stoppers	291066



Instrument rack

Description	Article no.
instrument rack, mobile	
the rack is to preferably hold instruments	
loading capacity of the rack is 150 kg.	
1 worktop	
3 storage levels	
4 double guide castors,	
2 of which w. stoppers	
modular grid 900	291063
modular grid 1200	291064



**Top grades for
quality and safety**



Customer's demands to quality and safety are ever increasing. As a modern enterprise it is our declared goal to do justice to these demands. All products were examined by an independent auditor of TÜV Product Service on the basis of the latest laws, rules, technical regulations and standards, and were awarded with the TÜV-GS label (Technical Control Board-Tested Safety label). All safety components of our products are awarded with a testing label, i.e. either the VDE test label for electrical components, or the DVGW test label for sanitary components.

Beyond this technical safety our enterprise is furthermore DIN EN ISO 9001:2000 certified. Therefore we guarantee to document all processes so that they can be reconstructed any time.



The process quality in our enterprise is ensured by implementation of the QM DIN EN ISO 9001 procedure. Therein not only the process in our enterprise is documented but a permanent control of the instructions is also given. Thus a continuous product quality is ensured.



TÜV Nord certifies that the safety, health and environmental protection management system (SHE system) that was introduced and implemented in our enterprise corresponds to the requirements of the SCC regulations. Therefore Wesemann is one of the very few enterprises of this industry that has implemented this system into its organisation.

Our contribution to more safety in scientific classrooms: The production process is continuously documented and the quality is extensively tested for adherence of these standards by TÜV Product Service.



Our scientific classroom furnishing system LABOdacta is labelled with the GS label for tested safety. This safety test that is carried out by TÜV according to the appliances' safety test act certifies that our equipment is of an absolutely correct and safe standard and thus suitable to be used in schools. This is an absolutely necessary condition in schools, as safety is our main goal.



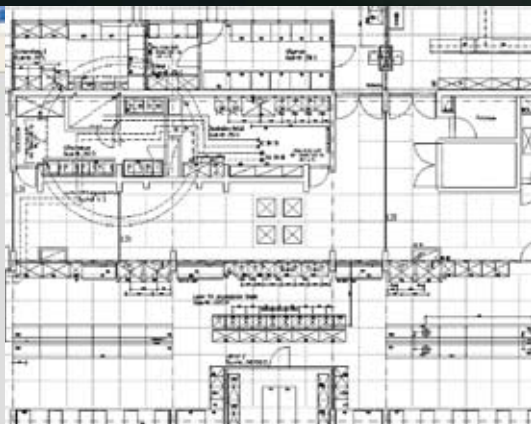
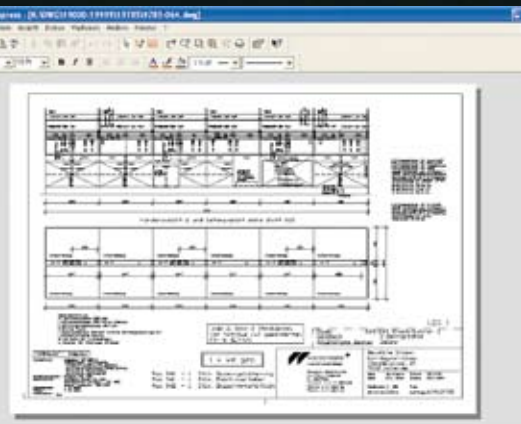
All sanitary installations are executed according to the standards and guidelines issued by Deutscher Verein des Gas- und Wasserfaches e. V. (German Technical and Scientific Association for Gas and Water), are factory tested and documented in a certificate. If connection works are carried out by our staff, we will carry out an additional test on site.



The electric installations are executed according to the legal regulations of Verband Deutscher Elektrotechniker VDE (Association for Electrical, Electronic and Information Technologies), in particular, however, according to VDE 0100 parts 723 and 724. All installation works are subject to an extensive test according to DIN 57100/VDE 0100 part 600. This procedure is documented by a test certificate.



We of course take into account the relevant EN or DIN regulations. Our planning department realizes an ideal utilization of the room by taking into consideration the rules in force by the trade associations and the municipal accident insurance underwriting association. LABOdacta suits scientific classrooms in just about any type of school.





The most detailed design

The successful furnishing of scientific classrooms is based on a professional design.

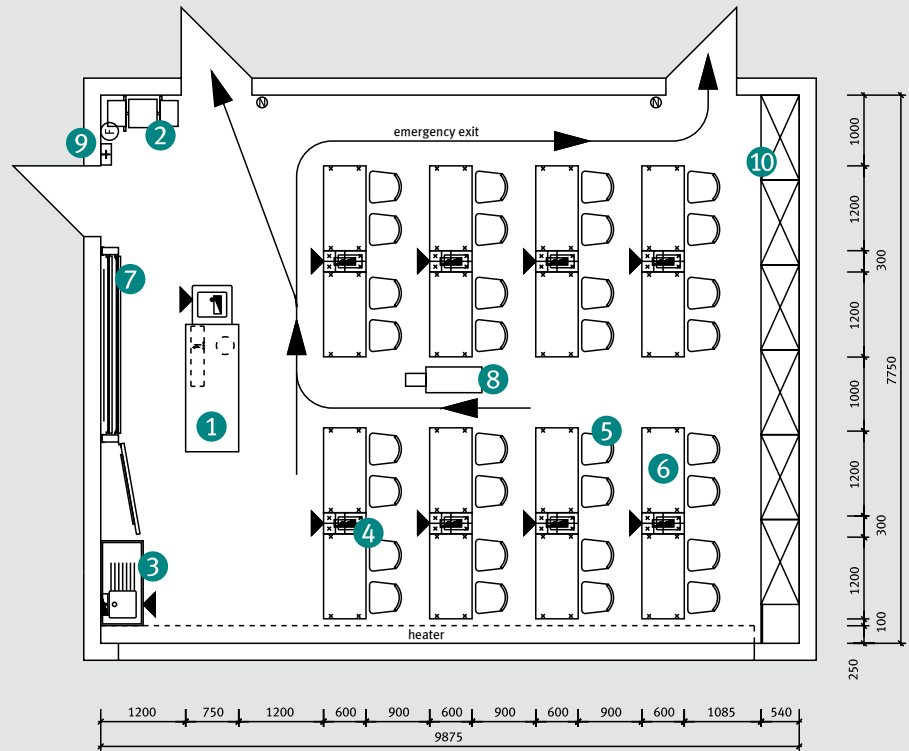
We have to take into consideration the rules of the municipal accident insurance underwriting associations as well as numerous legal regulations of the most versatile areas of expertise. The complete costs for a scientific classroom mainly depend on the furniture's design. And only the strict application of an extensive know-how is leading to a success with regard to technology and costs.



Design example of floor installation teacher centred model

Furnishing of a scientific classroom for 32 students:

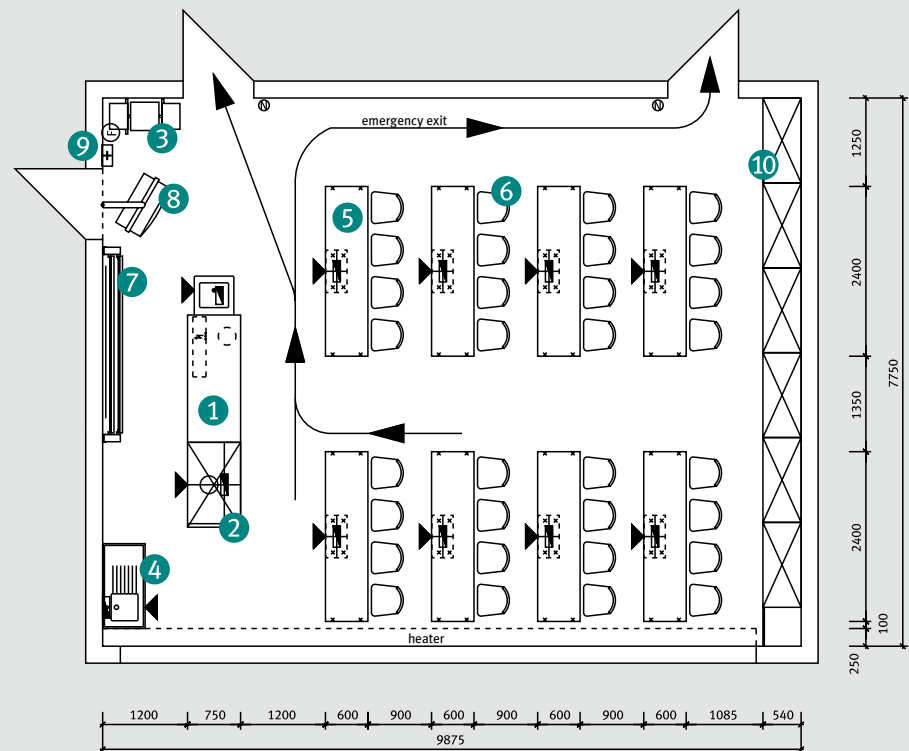
- 1 teacher desk with add-on sink
- 2 table for daylight projector
- 3 sink
- 4 8 student energy columns ESS 030
- 5 32 student chairs
- 6 16 student desks without installation
- 7 blackboard on columns with projection wall
- 8 video projector
- 9 safety equipment
- 10 cabinet wall



Design example floor installation teacher centred model

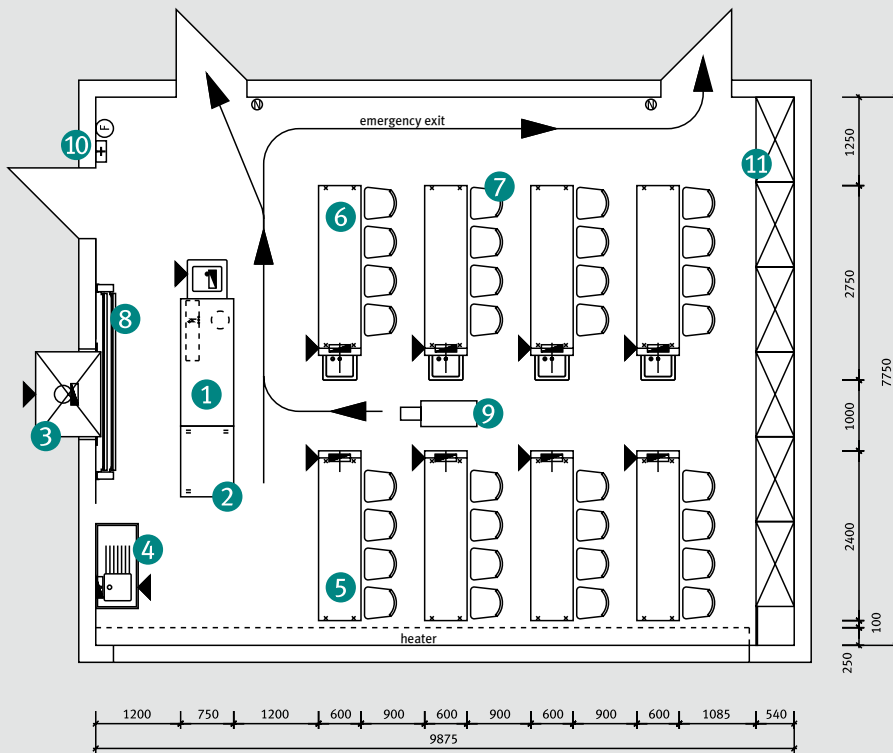
Furnishing of a scientific classroom for 32 students:

- 1 teacher desk with add-on sink
- 2 demonstration fume cupboard next to teacher desk
- 3 table for daylight projector
- 4 sink
- 5 8 student desks with central installation type SEN
- 6 32 student chairs
- 7 blackboard on columns
- 8 TV wall holding device
- 9 safety equipment
- 10 cabinet wall



Design example floor installation teacher centred model

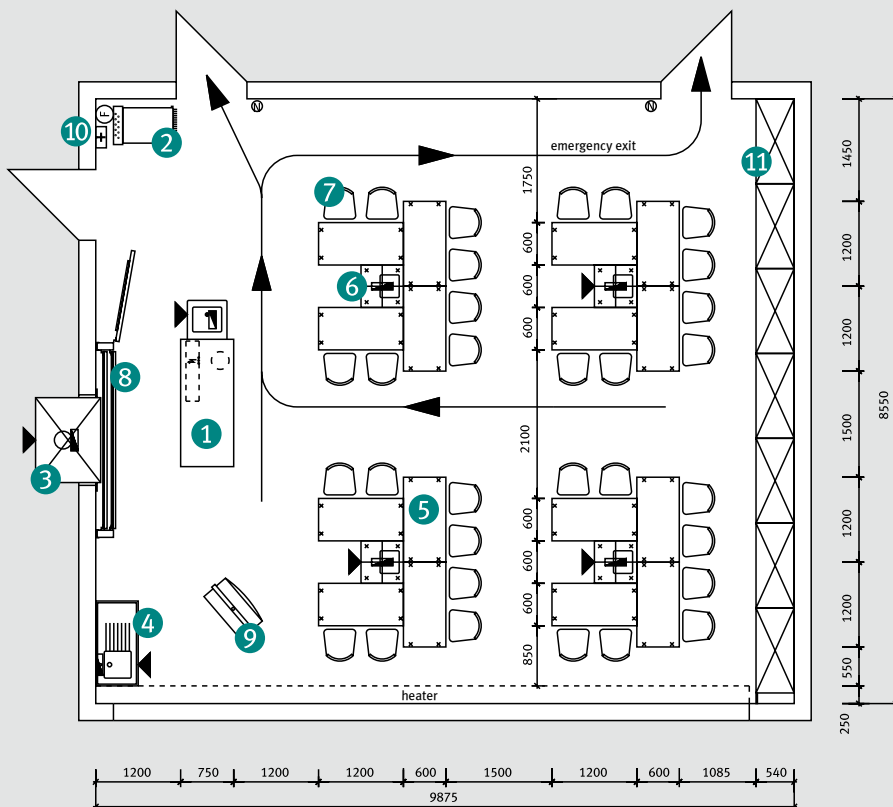
Furnishing of scientific classroom for 32 students:



- 1 teacher desk with add-on sink
- 2 mobile add-on table
- 3 hatch fume cupboard
- 4 sink
- 5 4 student desks with side installation type SEZ
- 6 4 student desks with side installation and add-on sink type SEZ-BE
- 7 32 student chairs
- 8 blackboard on columns
- 9 video projector
- 10 safety equipment
- 11 cabinet wall

Design example floor installation group lessons

Furnishing of scientific classroom for 32 students:

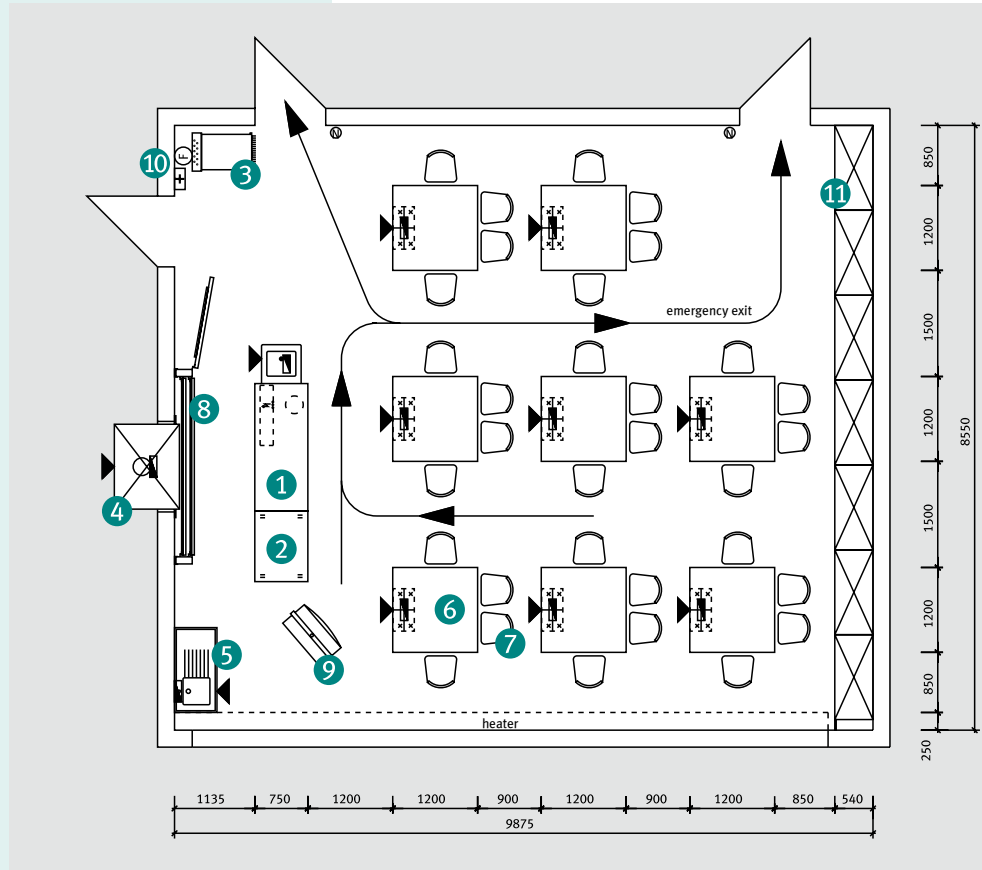


- 1 teacher desk with add-on sink
- 2 instrument trolley
- 3 hatch fume cupboard
- 4 sink
- 5 16 student desks without installation type SAC
- 6 4 energy columns type ESS 060
- 7 32 student chairs
- 8 blackboard on columns with projection wall
- 9 TV ceiling holding device
- 10 safety equipment
- 11 cabinet wall

Design example floor installation group lessons

Furnishing of scientific classroom for 32 students:

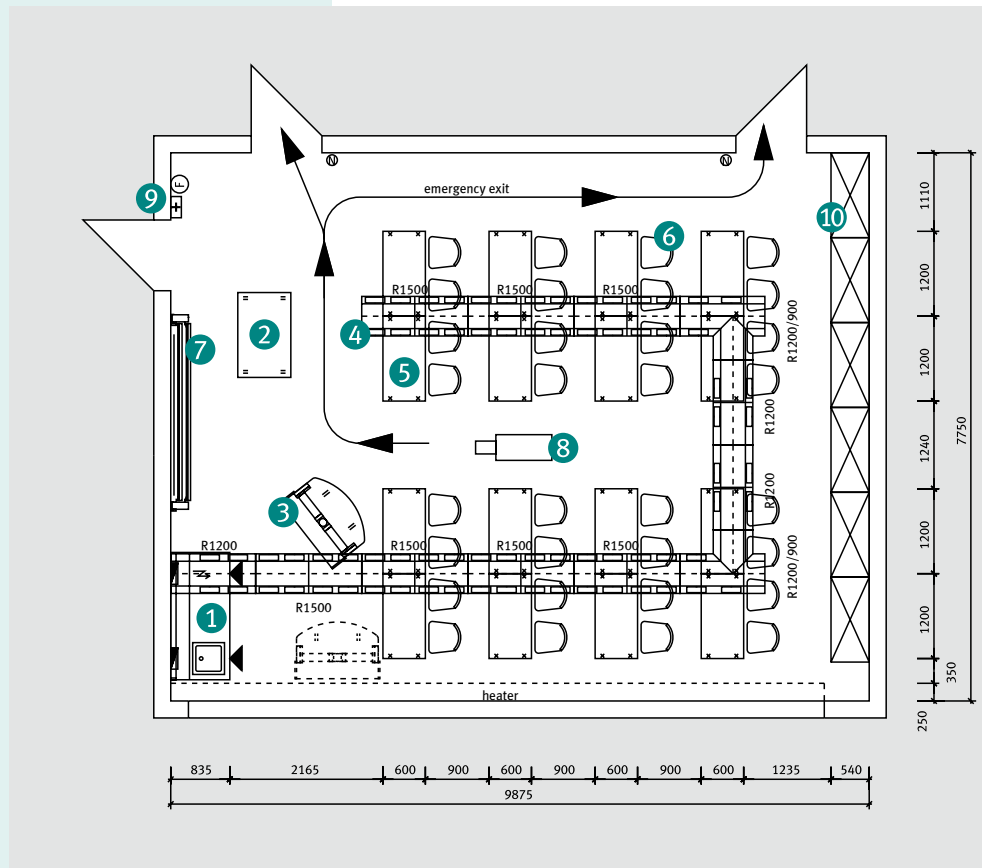
- 1 teacher desk with add-on sink
- 2 mobile add-on table
- 3 instrument trolley
- 4 hatch fume cupboard
- 5 sink
- 6 8 student group desks type SEG 1200 x 1200 mm
- 7 32 student chairs
- 8 blackboard on columns with projection wall
- 9 TV ceiling holding device
- 10 safety equipment
- 11 cabinet wall



Design example ceiling installation media board

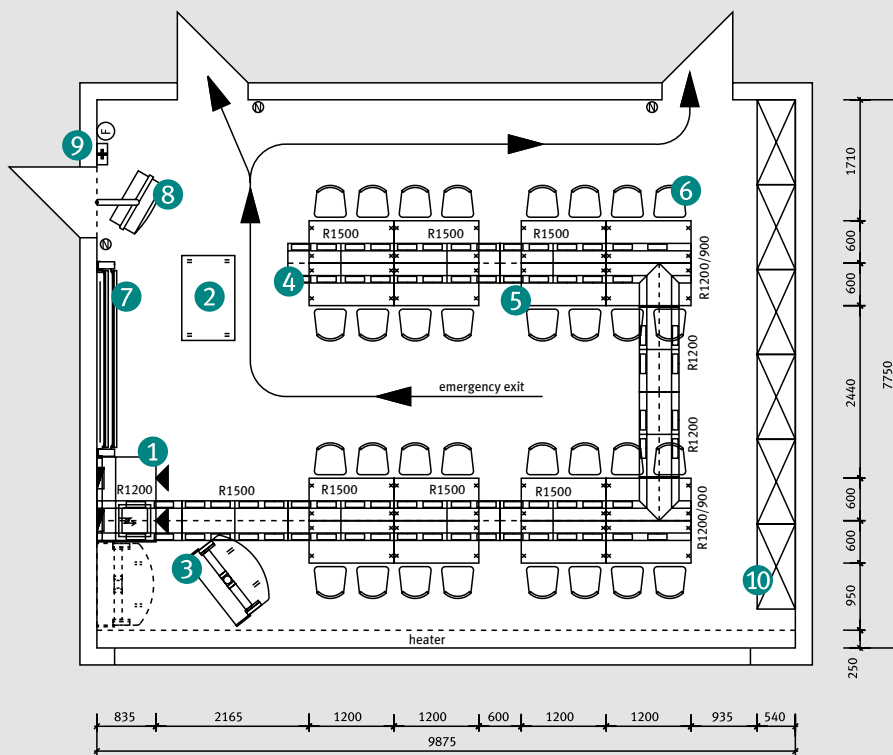
Furnishing of scientific classroom for 32 students:

- 1 wall workbench as supply unit of teacher
- 2 mobile teacher desk
- 3 mobile universal demonstration fume cupboard
- 4 media board in U-shape to supply teacher and student
- 5 16 mobile student desks arranged for teacher centered teaching model
- 6 32 student chairs
- 7 blackboard on column
- 8 video projector
- 9 safety equipment
- 10 cabinet wall



Design example ceiling installation media board

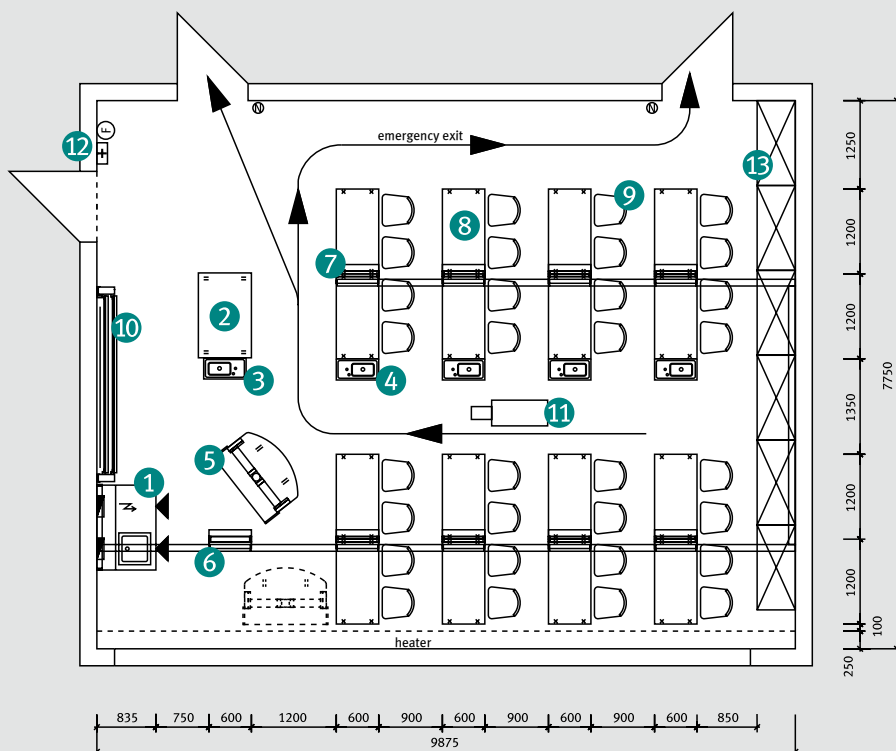
Furnishing of scientific classroom for 32 students:



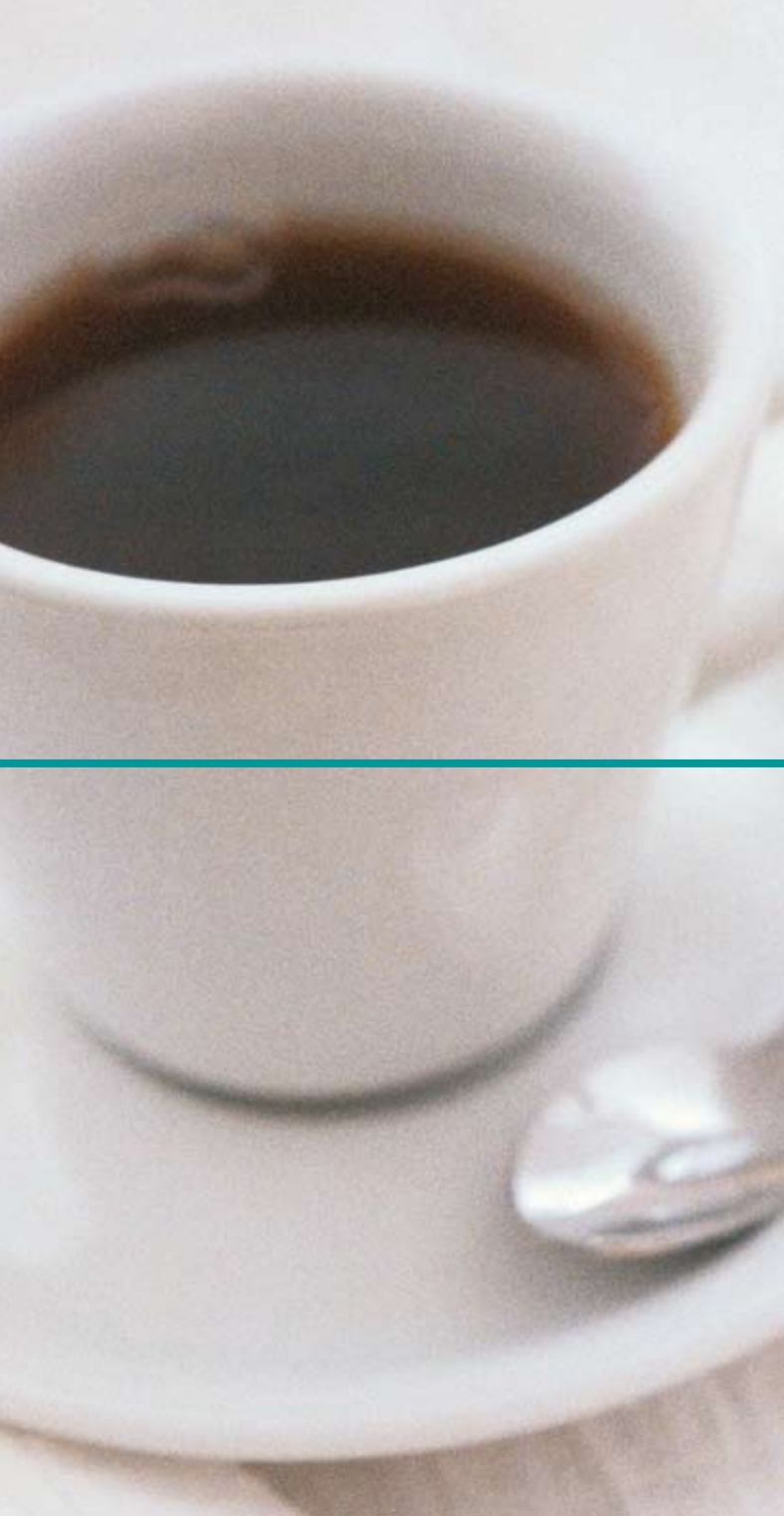
- 1 wall workbench as supply unit of teacher
- 2 mobile teacher desk
- 3 mobile universal demonstration fume cupboard
- 4 media board in U shape to supply teacher and student
- 5 16 mobile student desks type SAC arranged for group lessons
- 6 32 student chairs
- 7 blackboard on column
- 8 TV ceiling holding device
- 9 safety equipment
- 10 cabinet wall

Design example ceiling installation media terminal

Furnishing of scientific classroom for 32 Schüler:



- 1 wall workbench as supply unit of teacher
- 2 mobile teacher desk
- 3 mobile water station for teacher
- 4 mobile water station for student
- 5 mobile universal demonstration fume cupboard
- 6 media terminal for teacher experimenting station
- 7 8 media terminals for students
- 8 16 mobile tables type SAC
- 9 32 student chairs
- 10 blackboard on columns
- 11 video projector
- 12 safety equipment
- 13 cabinet wall



Goodbye

We would be pleased to personally inform you about the potentials of LABOdacta. Detailed discussions and precise facts are the basis for our proposals to ideally furnish your scientific classroom.

The important thing for us is an intensive consulting service.

Just give us a call.



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