

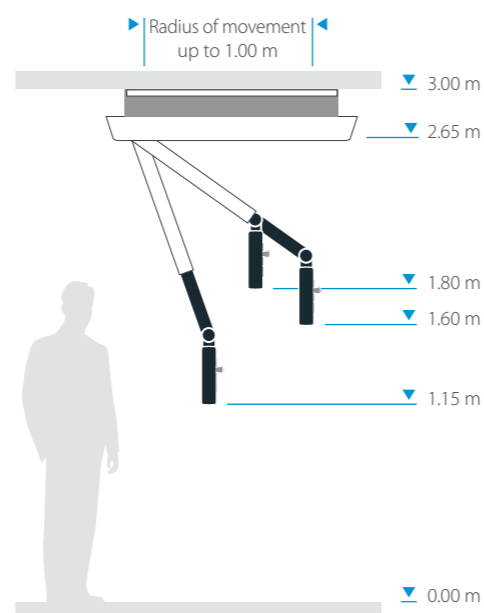
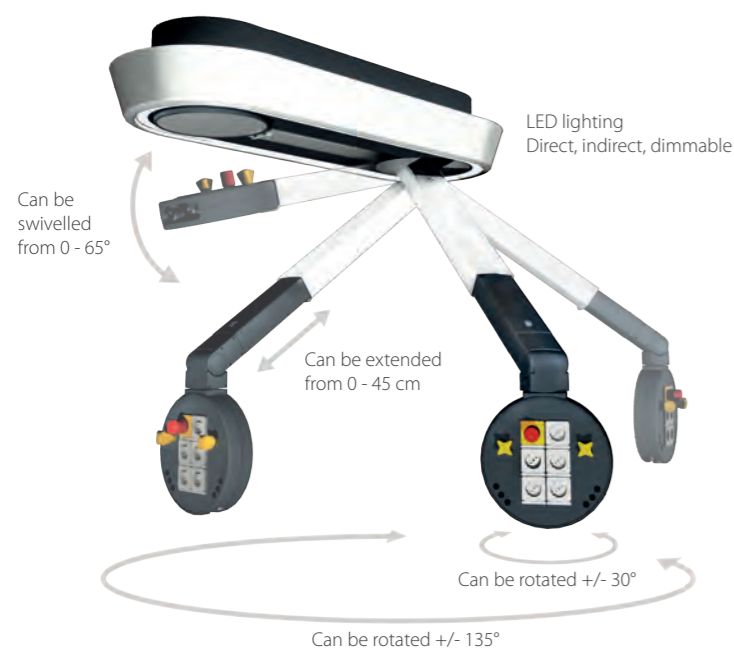
MEDIA SUPPLY SYSTEMS

Fly One®

Fly One® supplies media such as electricity, data, gas or compressed air to the place in the room where it is needed – in a precise and safe manner. When these are not required, Fly One® folds away automatically and elegantly at the touch of a button from any position and retracts discreetly into the ceiling.

- + Can be navigated in three dimensions
- + High-performance LED light
- + Elegant and flexible



Flexibility in 4 dimensions

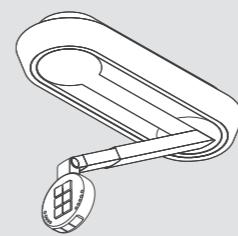
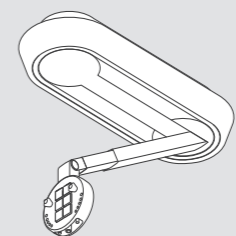


Design meets technology

A media supply system has never been so elegant and flexible. Fly One® is an energy-saving, high-performance, LED ceiling light that ensures perfect illumination of the space. When required, Fly One® automatically folds out and can be navigated to any position in three dimensions.

Media field fixtures

	Type 5 Teacher	Type 6 Teacher	Type 3 Pupils	Type 4 Pupils
	1 Emergency Off 2 Socket outlet 3 USB 4 HDMI 5 Double data socket 6 Socket outlet 7 2x2 selector pole + 2x earth	1 Emergency Stop 2 Socket outlet 3 USB 4 HDMI 5 Double data socket 6 Combination socket 2x2 7 without	1 Emergency Stop 2 Socket outlet 3 Socket outlet 4 Socket outlet 5 Double data socket 6 Double data socket 7 2x2 selector pole + 2x earth	1 Socket outlet 2 Socket outlet 3 Socket outlet 4 Socket outlet 5 Double data socket 6 Double data socket 7 2x2 selector pole + 2x earth
	Type 3-6: 8, 9, 10 Fly One®: 3x without, Fly One® G: gas-withdrawal, without, gas-withdrawal Lines wiring selector pole: 4 mm ² , wiring electrics: 3 x 2.5 mm ² , electrical cable type: halogen-free			
Individual	1 Socket outlet / Emergency Stop 2 Socket outlet / Socket outlet IT 3 Socket outlet / USB 4 Socket outlet / HDMI 5 Socket outlet / Double data socket 6 Socket outlet / Double data socket / Combination socket 2x2 / Combination socket 1x4 7 2x2 selector pole + 2x earth / 1x4 selector pole + 2x earth / without 8, 9, 10 Fly One®: 3x socket outlet / without, compressed-air withdrawal, without / 3x without, Fly One® G: gas-withdrawal, without, gas-withdrawal / gas-withdrawal, compressed-air withdrawal, gas-withdrawal Lines wiring selector pole: 4 mm ² , electrical wiring: 3 x 2.5 mm ² , electrical cable type: halogen free, Media type gas: natural gas / liquid gas			

		
Name	Fly One®	Fly One® G (with Gas)
Description	Flexible media supply that can be navigated in three dimensions	Flexible media supply that can be navigated in three dimensions with 2 gas fittings
Versions	Media field fixtures: according to overview table Installation type: Mounted level / Offset to intermediate ceiling 200 - 350 mm / 350 - 500 mm	Media field fixtures: according to overview table Installation type: Mounted level / Offset to intermediate ceiling 200 - 350 mm / 350 - 500 mm
Options	LED lighting	LED lighting
Dimensions	W/H/D = 1470/330/570 mm	W/H/D = 1470/330/570 mm
Model	6940	6941
+	6904 Pre-installation material	6905 Pre-installation material

Info

Fly One®
For the control a connection unit is required (connection cabinet or connection cell)

Special features

- › Media supply that can be navigated in three dimensions and locked in position
- › Dimmable, high-performance LED light for perfect workspace illumination
- › Flexible individual and group control thanks to cutting-edge bus technology
- › Ergonomic media retrieval due to individual height adjustment
- › Highly robust due to elastic bamboo design principle
- › Short set-up time due to fully automatic retraction and extension

Fly Light®

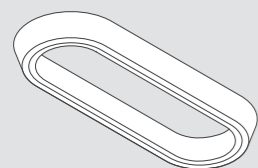
As a result, every learning room becomes a "Highlight". Experience breathtaking design paired with extraordinary light technology. Our Fly Light® increases the power of concentration through daylight spectrum and ensures for the best possible illumination in the room, due to the direct and indirect proportion of light.

- + Daylight spectrum
- + Dimmable
- + Unique design

Info

Fly Light®

For a room size of 10.00 x 8.50 m = 85 m², 6 lights are required (approx. 540 Lux average illuminance on the work surface)



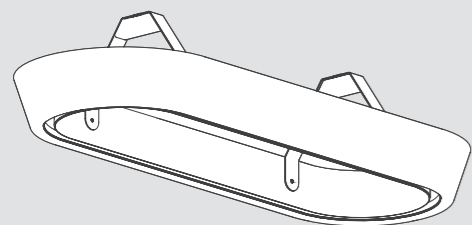
Fly Light®

Description	Energy-saving, high-performance LED light (PF = 0.98) 80% direct / 20% indirect light ratio, dimmable, light colour 5000 K, luminous flux 10639 Lumen, connected load: 230 V Power consumption: max. 110 W
Versions	Suspended light with 4 wire cables / ceiling light with 2 mounting brackets
Dimensions	W/H/D = 1470/140/570 mm
Model	6949
+	6906 Pre-installation material

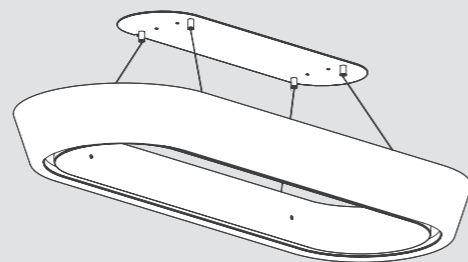
Special features

- › Even and glare-free illumination of the workstations with 80 % direct and 20 % indirect light and basic oval shape
- › Adaption to the lighting requirements with dimming capability
- › Fatigue-free working due to LEDs with daylight spectrum
- › Efficient use of electrical energy due to optimal power factor (PF)
- › Flexibility due to different types of mounting: as suspended light with wire cables, as a ceiling light with mounting brackets

Versions



Ceiling light with 2 mounting brackets
Suspension height: 190 mm



Suspended light with 4 wire cables
Suspension height: 500 – 1500 mm

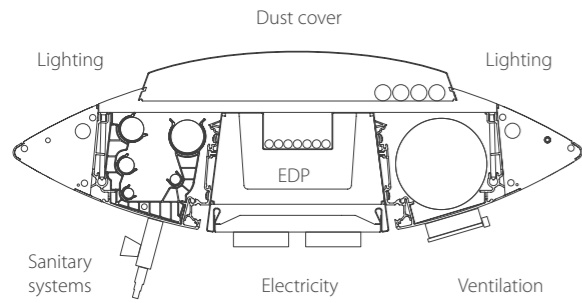
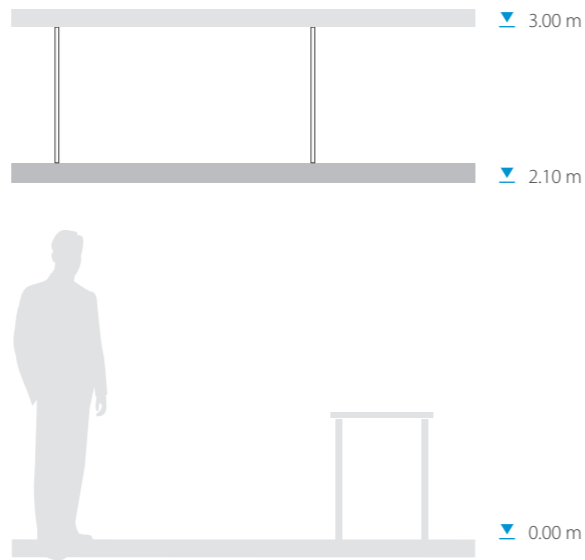


Light and learning

A wonderful combination: with our LED ceiling light Fly Light® you ensure for perfect illumination of the space. For practice-oriented learning and experimenting, use Fly One® - at the push of a button it folds out and flexibly provides electricity, Internet, multimedia and much more in the room.

Media wing

There is nothing left to be desired here. The media wing offers the widest range of media and therefore enables the highest degree of flexibility in utilisation of the space. It supplies the workstations with electricity, data, water, gas, air, light and much more.

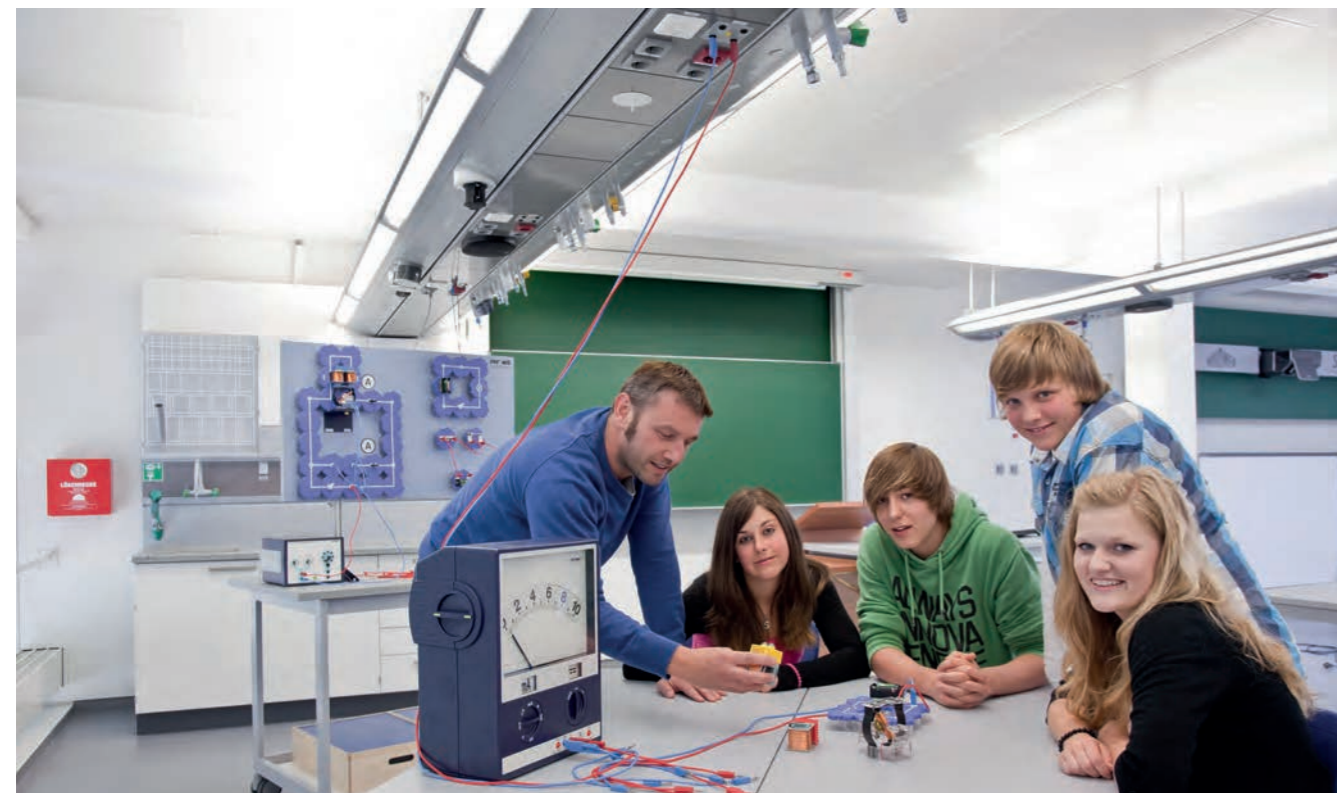


Design

- › Base duct with media panels for electricity supply (electricity, low voltage, EDP), optional connections for telephone, multimedia, optional integrated loudspeaker, electrical fuse protection
- › Sanitary duct with taps and fittings for gases, water, compressed air, vacuum
- › Ventilation duct with room exhaust air, spot extraction and/or exhaust air connection for the mobile fume cupboard AeroEM
- › Lighting duct with direct and indirect lighting

Special features

- › Maximum variability due to a variety of integrated media, such as gas, water, electricity, EDP, exhaust air, lighting and much more
- › High degree of flexibility through modular design
- › Optional positioning of fittings and connections due to removable media panels
- › High degree of safety through protection class IP 44 (protection against splash water and fine dust), installation ducts separate from each other and special, drip-free water couplings



Technology inspires

Welcome to the future. The media wing transforms classrooms into multifunctional spaces. What is a normal classroom today, can be used as a science laboratory, workshop, multimedia laboratory and a whole lot more tomorrow.



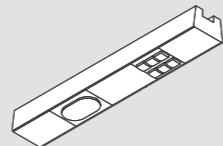
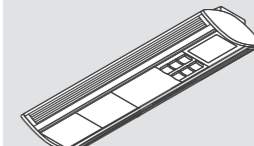
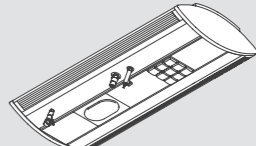
Spot extraction



Room extraction



Water supply and disposal

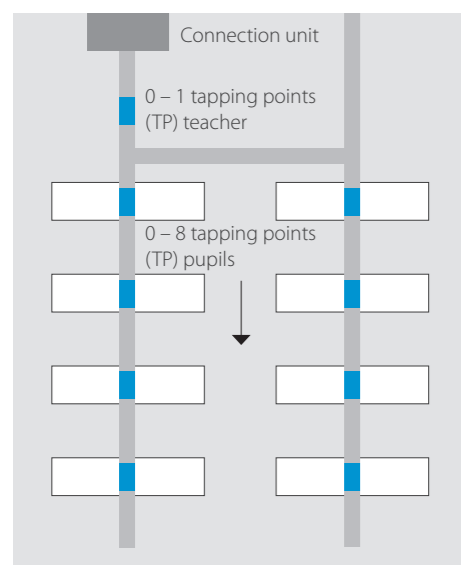
			
Name	Media wing expansion stage 1	Media wing expansion stage 2	Media wing expansion stage 3
Description	Base duct with media panels for electricity supply	Base duct with media panels for electricity supply, lighting on both sides	Base duct with media panels for electricity supply, sanitary duct and/or ventilation duct, lighting on both sides
Module lengths	600 / 900 / 1200 / 1500 mm	600 / 900 / 1200 / 1500 mm	600 / 900 / 1200 / 1500 mm
Dimensions	W/H = 240/181 mm	W/H = 496/181 mm	W/H = 750/191 mm
Model	W8888	W8888	W8888

Info
Media wing
For the control a connection cell is required.

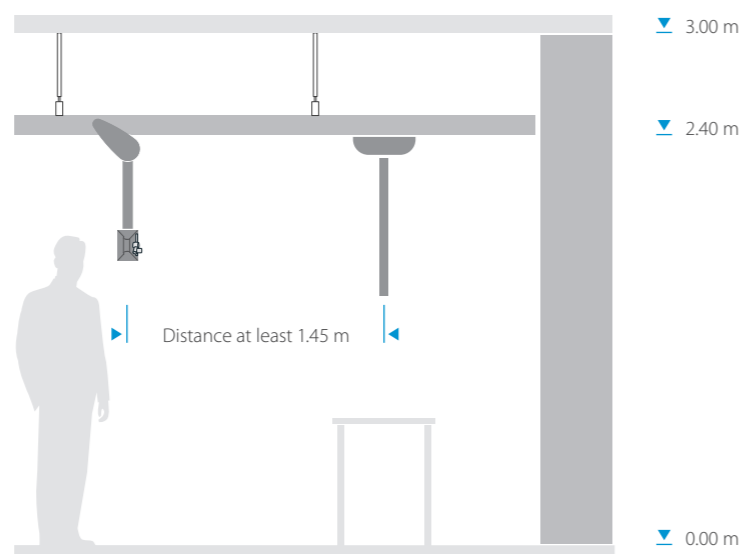
Ceiling supply system

Ceiling supply systems are a great thing. They enable a flexible utilisation of space, as the media required are only folded down when needed and only where they are precisely required. In addition, ceiling supply systems reduce the coordination of craftsmen enormously. One central connection point is sufficient.

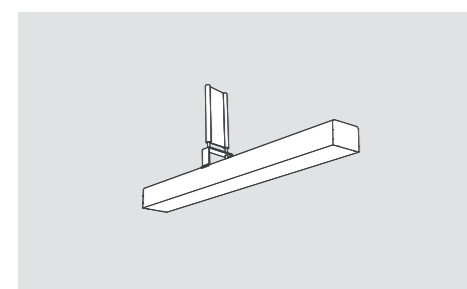
- + Flexible utilisation of space
- + Simple installation
- + High standard of safety



Layout diagram



Section



Ceiling supply system

Description	Ceiling supply system, consisting of channels, ducts, suspension element and tapping points (TP)
Versions	Number of TP teacher: 0 – 1 Number of TP pupils: 0 – 8 TP Teacher: Electromotive (Medienlift®) / Manual narrow version (Power-lift) / Manual wide version (Powerlift B) TP Pupils: Electromotive (Medienlift®) / Manual narrow version (Power-lift) / Manual wide version (Powerlift B)
Options	Fume cupboard connection: media connection for mobile / stationary fume cupboard
Model	6800
+	6901 Pre-installation material

Special features

- › Flexible room design with tapping points that can be folded down individually for individual or group work
- › High standard of safety with complete system (connection unit, media routes, tapping points) certified by TÜV, VDE and DVGW
- › Extremely long product life cycle due to maintenance-free design (statutory tests in operation are only required for gas, electrical systems and ventilation)
- › Vandal-proof with media arms folding upwards - as a result the media fixture is inaccessible to pupils
- › Can be retrofitted at any time with cable routing below the ceiling
- › Optimal illumination of the workstations without shading through integrated lighting systems
- › Safe handling also in emergency situations with media arms that can be folded up manually

Info

Connection unit

Ceiling supply systems require a central connection unit (connecting cabinet or connection cell). All on-site lines are transferred centrally here. From there all media are checked, controlled and routed to the tapping points.



Network knowledge

The flexible media supply from the ceiling offers many advantages. It enables the widest variety of media interfaces to be provided throughout the room. The connected components are ready to use immediately and linked together by a high-speed network.

Lighting

Name	LED twin light	Single Wingline light
Description	Energy-saving LED twin light (PF = 0.87), 80% direct / 20% indirect light ratio, light colour 5000 K downwards, 6500 K upwards, luminous flux 4812 Lumen, 60 W control, dimming 0 - 10 V	Wingline light with electronic ballast for instant start, aluminium housing light grey RAL 7035. Control DSI (optional DALI).
Versions		Mounting: On ceiling channel / On room wall with fixed connection / On room wall with Schuko plug
Dimensions	W/H/D = 700/160/550 mm	W/H/D = 260/96/590 mm
Model	6752	6812



You can choose: energy-saving LED lighting or Wingline lights with conventional compact fluorescent lamps

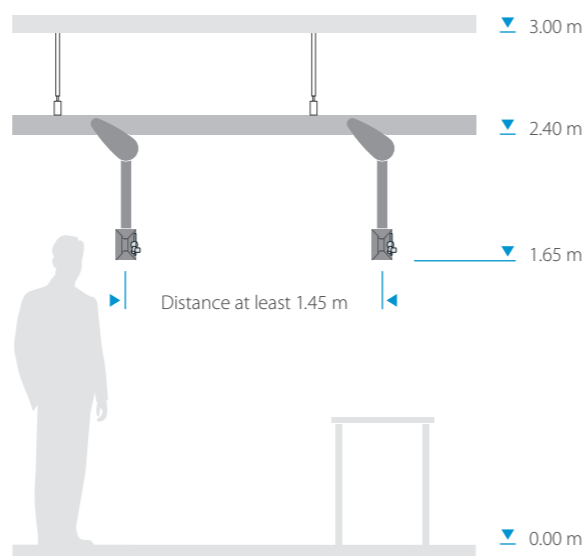
Medienlift®

The Medienlift® is the top runner amongst the ceiling-supplied media systems and the favourite of science subjects. At the touch of a button, the electric motor brings down the lifts individually or in pre-defined groups, and they supply the required media in a matter of seconds at an ergonomic operating height.

- + Easy to swivel
- + Ergonomic operation
- + User-friendly rotation



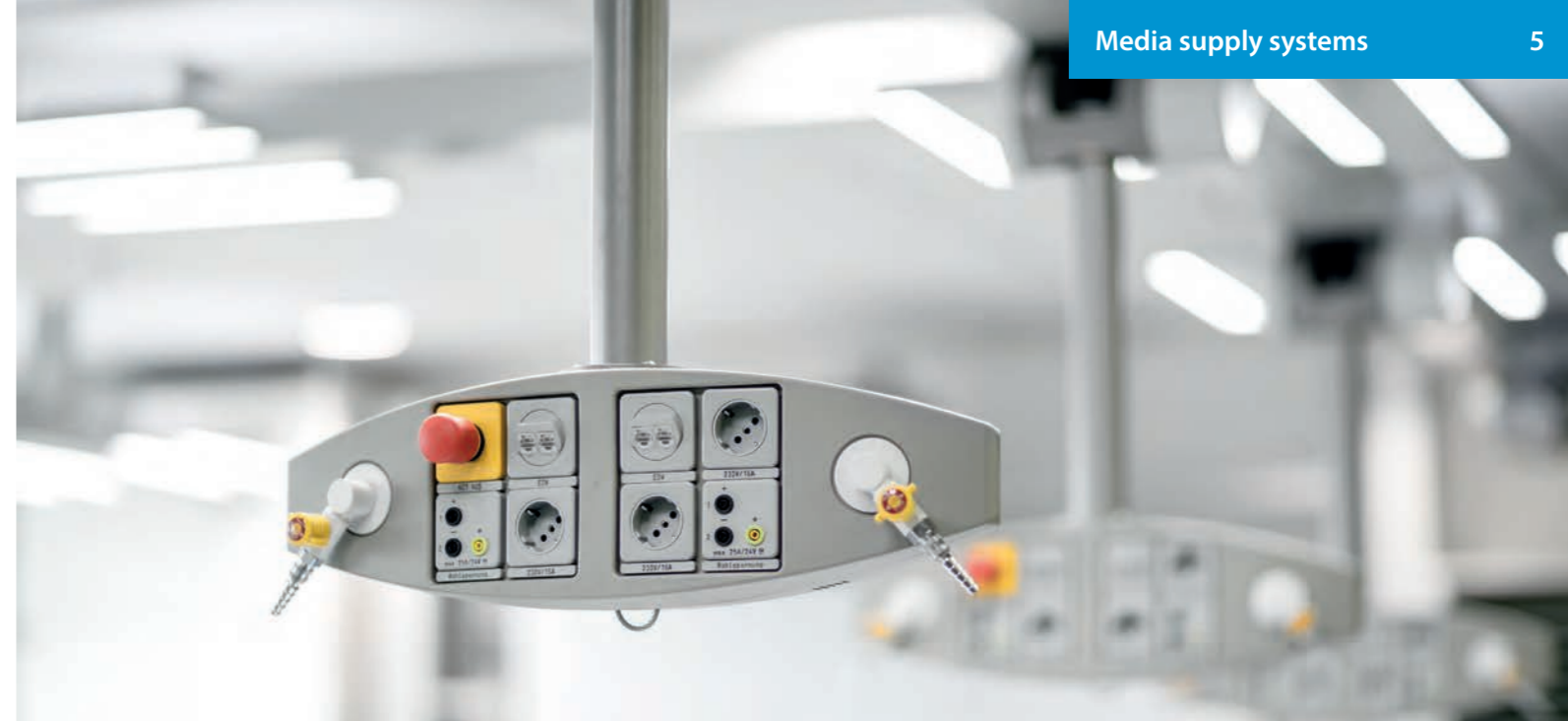
The Medienlift® has passed the TÜV Product Service endurance test – which simulates approx. 50 years of operation with 50,000 swivel movements – with flying colours.



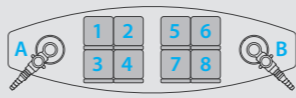
Special features

- › Swift availability due to the swivel action of the electric motor
- › Perfect accessibility when working in teams thanks to the operating panel that can be turned around
- › High standard of safety due to collision protection and integrated slip clutch
- › Protection against vandalism, as out of reach when not in use
- › Highly robust, as capable of bearing up to 150 kg
- › Always up to date due to simple retrofitting capability of the integrated media
- › Reduction in costs for conversions or new buildings due to integrated total system solution

Name	Medienlift® Teacher	Medienlift® Pupil
Description	Medienlift® can be swivelled down by the electric motor, can be rotated +/- 40 degrees, load-bearing capacity up to 150 kg	Medienlift® can be swivelled down by the electric motor, can be rotated +/- 40 degrees, load-bearing capacity up to 150 kg
Versions	Media field fixtures: according to overview table	Media field fixtures: according to overview table
Options	Cannot be rotated	Cannot be rotated
Dimensions	W/H/D = 600/750/120 mm	W/H/D = 600/750/120 mm
Model	6840	6841




Media field fixtures

Medienlift® Teacher	Type 5 Teacher	Type 6 Teacher	Type 7 Teacher	Type 8 Teacher
	<ol style="list-style-type: none"> 1 Emergency Stop 2 Double data socket 3 Socket outlet 4 HDMI 5 USB 6 Socket outlet 7 Socket outlet 8 Combination socket 2x2 A+B Gas fitting 	<ol style="list-style-type: none"> 1 Emergency Stop 2 Double data socket 3 Socket outlet 4 HDMI 5 USB 6 Socket outlet 7 Socket outlet 8 2x Selector pole + 1x earth A+B Gas fitting 	<ol style="list-style-type: none"> 1 Emergency Stop 2 Double data socket 3 Socket outlet 4 HDMI 5 USB 6 Socket outlet 7 Socket outlet 8 Combination socket 2x2 A+B without 	<ol style="list-style-type: none"> 1 Emergency Stop 2 Double data socket 3 Socket outlet 4 HDMI 5 USB 6 Socket outlet 7 Socket outlet 8 2x Selector pole + 1x earth A+B without

Type 5-8: Lines Wiring selector pole: 4 mm², electrical wiring: 3 x 2.5 mm², type of electric cable: Standard

Individual

1 Socket outlet / Emergency Stop / Blind plate 2 Socket outlet / Double data socket / Blind plate 3 Socket outlet / 2x Selector pole + 1x Earth / 4x Selector pole / Blind plate 4 Socket outlet / HDMI / Blind plate 5 Socket outlet / Double data socket / USB / Blind plate 6 Socket outlet / Socket outlet EDP / Blind plate 7 Socket outlet / Projector set / 1x Earth / Blind plate 8 Socket outlet / 2x Selector pole + 1x Earth / 4x Selector pole / 1x Earth / Combination socket 2x2 / Combination socket 1x4 / Blind plate A Gas fitting / Double gas fitting / Compressed air fitting / without B Gas fitting / Double gas fitting / Compressed air fitting / without Lines Wiring selector pole: 4 mm² / 6 mm², Electrical wiring: 3 x 2.5 mm², Type of electric cable: halogen-free / standard, Type of gas media: natural gas / liquid gas

Medienlift® Pupils	Type 1 Pupils	Type 2 Pupils	Type 3 Pupils	Type 4 Pupils
	<ol style="list-style-type: none"> 1 Emergency Stop 2 Double data socket 3 2x selector pole + 1x earth 4 Socket outlet 5 Double data socket 6 Socket outlet 7 Socket outlet 8 2x selector pole + 1x earth A+B Gas fitting 	<ol style="list-style-type: none"> 1 Socket outlet 2 Double data socket 3 2x selector pole + 1x earth 4 Socket outlet 5 Double data socket 6 Socket outlet 7 Socket outlet 8 2x selector pole + 1x earth A+B Gas fitting 	<ol style="list-style-type: none"> 1 Emergency Stop 2 Double data socket 3 2x selector pole + 1x earth 4 Socket outlet 5 Double data socket 6 Socket outlet 7 Socket outlet 8 2x selector pole + 1x earth A+B without 	<ol style="list-style-type: none"> 1 Socket outlet 2 Double data socket 3 2x selector pole + 1x earth 4 Socket outlet 5 Double data socket 6 Socket outlet 7 Socket outlet 8 2x selector pole + 1x earth A+B without

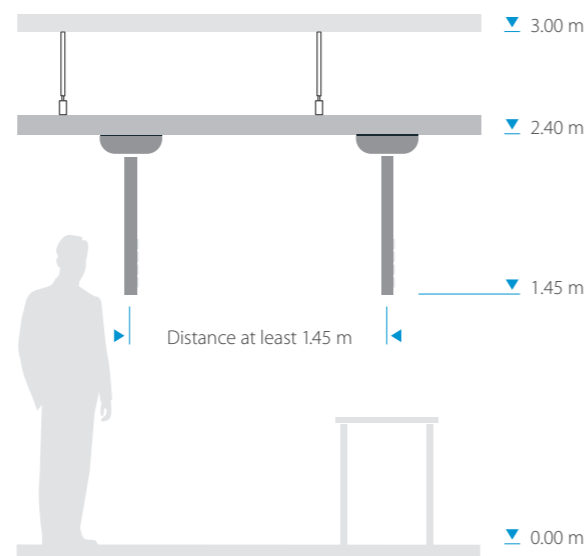
Type 1-4: Lines Wiring selector pole: 4 mm², electrical wiring: 3 x 2.5 mm², type of electric cable: Standard

Individual

1 Socket outlet / Emergency Stop / Blind plate 2 Socket outlet / Double data socket / Blind plate 3 Socket outlet / 2x selector pole + 1x earth / 4x selector pole / Blind plate 4 Socket outlet / Blind plate 5 Socket outlet / Double data socket / Blind plate 6 Socket outlet / Socket outlet EDP / Blind plate 7 Socket outlet / 1x earth / Blind plate 8 Socket outlet / 2x selector pole + 1x earth / 4x selector pole / 1x earth / Blind plate A Gas fitting / Double gas fitting / Compressed air fitting / without B Gas fitting / Double gas fitting / Compressed air fitting / without Lines Wiring selector pole: 4 mm² / 6 mm², Electrical wiring: 3 x 2.5 mm², Type of electric cable: halogen-free / standard, Type of gas media: natural gas / liquid gas

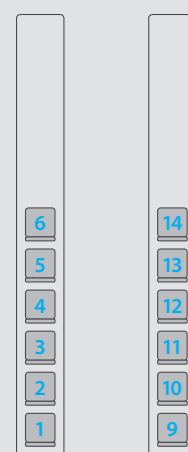
Powerlift

The Powerlift brings fresh energy into the space and provides the user with electricity-, data-, and compressed air connections in an instant. Simply fold down the media arms using your hand, hook up your experiments, laptops or technical kits, and off you go!



Media field fixtures

Powerlift



Front

Rear

Type 5 Teacher

- 0 Emergency Stop
- 1 Socket outlet
- 2 Combination socket 2x2
- 3 Socket outlet
- 4 HDMI
- 5 Double data socket
- 6 USB

Type 6 Teacher

- 0 Emergency Stop
- 1 Socket outlet
- 2 2x selector pole + 1x earth
- 3 Socket outlet
- 4 HDMI
- 5 Double data socket
- 6 USB

Type 3 Pupils

- 0 Emergency Stop
- 1 Socket outlet
- 2 2x selector pole + 1x earth
- 3 2x selector pole + 1x earth
- 4 Socket outlet
- 5 Double data socket
- 6 Double data socket

Type 4 Pupils

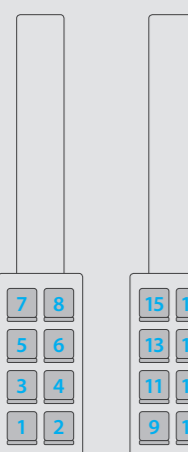
- 0 without
- 1 Socket outlet
- 2 2x selector pole + 1x earth
- 3 2x selector pole + 1x earth
- 4 Socket outlet
- 5 Double data socket
- 6 Double data socket

Type 3-6: Lines Wiring selector pole: 4 mm², Electrical wiring: 3 x 2.5 mm², Type of electric cable: Standard
Arm colour Light grey

Individual

0 Emergency Stop / Double compressed air fitting (Pos 1 + 9 omitted) / without 1 Socket outlet / Blind plate 2 Socket outlet / 2x selector pole + 1x earth / 1x earth / Combination socket 2x2 / Combination socket 1x4 (Combination socket only for teacher) / Blind plate 3 Socket outlet / Socket outlet EDP / 2x selector pole + 1x earth / 4x selector pole / Blind plate 4 Socket outlet / Socket outlet EDP / HDMI 5 Socket outlet / Double data socket / Projector set / Blind plate 6 Socket outlet / Double data socket / USB / Blind plate 9 Socket outlet / Blind plate 10 Socket outlet / Emergency Stop / Blind plate 11-13 Socket outlet / Blind plate 14 Socket outlet / Double data socket / Blind plate Lines Wiring selector pole: 4 mm² / 6 mm², electrical wiring: 3 x 2.5 mm², Type of electric cable: halogen-free / standard Arm colour ME01

Powerlift B



Front

Rear

Type 5 Teacher

- 0 Emergency Stop
- 1 Socket outlet
- 2 Socket outlet
- 3 Socket outlet
- 4 Combination socket 2x2
- 5 HDMI
- 6 Socket outlet
- 7 USB
- 8 Double data socket

Type 6 Teacher

- 0 Emergency Stop
- 1 Socket outlet
- 2 Socket outlet
- 3 Socket outlet
- 4 2x selector pole + 1x earth
- 5 HDMI
- 6 Socket outlet
- 7 USB
- 8 Double data socket

Type 3 Pupils

- 0 Emergency Stop
- 1 Socket outlet
- 2 Socket outlet
- 3 2x selector pole + 1x earth
- 4 2x selector pole + 1x earth
- 5 Socket outlet
- 6 Socket outlet
- 7 Double data socket
- 8 Double data socket

Type 4 Pupils

- 0 without
- 1 Socket outlet
- 2 Socket outlet
- 3 2x selector pole + 1x earth
- 4 2x selector pole + 1x earth
- 5 Socket outlet
- 6 Socket outlet
- 7 Double data socket
- 8 Double data socket

Type 3-6: Lines Wiring selector pole: 4 mm², Electrical wiring: 3 x 2.5 mm², Type of electric cable: Standard
Arm colour Light grey

Individual

0 Emergency Stop / without 1 Socket outlet / Socket outlet EDP / Blind plate 2 Socket outlet / Blind plate 3 Socket outlet / 2x selector pole + 1x earth / 4x selector pole / Blind plate 4 Socket outlet / 2x selector pole + 1x earth / 1x earth / Combination socket 2x2 / Combination socket 1x4 (Combination socket only for teacher) / Blind plate 5 Socket outlet / HDMI / Blind plate 6 Socket outlet / Projector set / Blind plate 7 Socket outlet / Double data socket / USB / Blind plate 8 Socket outlet / Double data socket / Blind plate 9-16 Socket outlet / Blind plate Lines Wiring selector pole: 4 mm² / 6 mm², electrical wiring: 3 x 2.5 mm², Type of electric cable: halogen-free / standard Arm colour ME01



Special features

- > Ergonomic availability due to the manual swivel action
- > Perfect accessibility when working in teams thanks to the media fixtures on both sides
- > Protection against vandalism, as out of reach when not in use
- > Highly robust, as capable of bearing up to 150 kg
- > Always up to date due to simple retrofitting capability of the integrated media
- > Reduction in costs for conversions or new buildings due to integrated total system solution

Info

The Powerlift can be configured at the front and optionally also at the rear. Media fields not required are occupied with blind plates. If the rear side is not configured, it remains smooth.

For each room system all lift arms are always coated in the same colour.

Name	Powerlift Teacher	Powerlift Pupil	Powerlift Teacher B	Powerlift Pupil B
Description	Media arm can be swivelled down manually, made of aluminium, W/D = 100/70 mm, load-bearing capacity up to 150 kg	Media arm can be swivelled down manually, made of aluminium, W/D = 100/70 mm, load-bearing capacity up to 150 kg	Media arm can be swivelled down manually, made of aluminium, W/D = 160/70 mm, load-bearing capacity up to 150 kg	Media arm can be swivelled down manually, made of aluminium, W/D = 160/70 mm, load-bearing capacity up to 150 kg
Versions	Media field fixtures: according to overview table Arm colour: ME01	Media field fixtures: according to overview table Arm colour: ME01	Media field fixtures: according to overview table Arm colour: ME01	Media field fixtures: according to overview table Arm colour: ME01
Options	Rear fixtures	Rear fixtures	Rear fixtures	Rear fixtures
Dimensions	W/H/D = 160/950/370 mm	W/H/D = 160/950/370 mm	W/H/D = 160/950/370 mm	W/H/D = 160/950/370 mm
Model	6861	6862	6863	6864

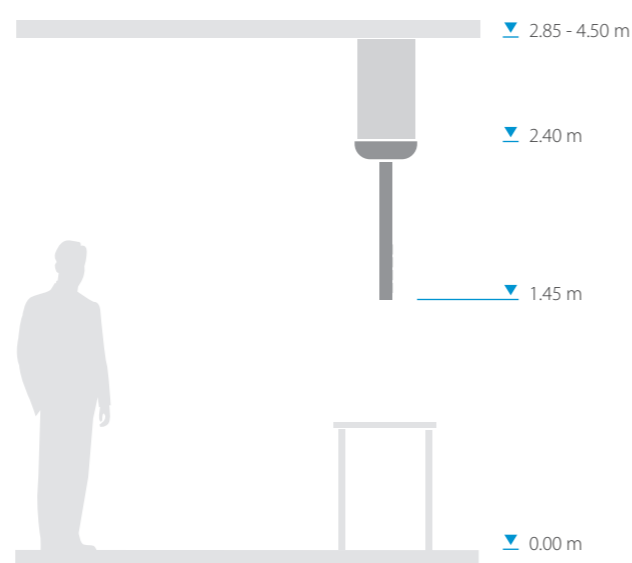
Powerlift One

Powerlift One is the perfect single solution and is always used when only a few tapping points are required in the room. It provides electricity-, data-, and compressed air connections in an instant. Simply fold it down and you can get started.

- + Easy to swivel
- + Ergonomic operation
- + Robust and safe

Special features

- › Ergonomic availability due to the manual swivel action
- › Perfect accessibility when working in teams thanks to the media fixtures on both sides
- › Protection against vandalism, as out of reach when not in use
- › Highly robust, as capable of bearing up to 150 kg
- › Always up to date due to simple retrofitting capability of the integrated media
- › Reduction in costs for conversions or new buildings due to integrated total system solution



Info

Connection unit

The Powerlift One does not require any connecting cabinet/cell. The on-site lines can be connected directly.

Fixtures

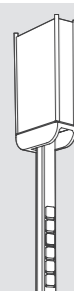
The Powerlift can be configured at the front and optionally also at the rear. Media fields not required are occupied with blind plates. If the rear side is not configured, it remains smooth.

Colours

For each room system all lift arms are always coated in the same colour.

Installation

Powerlift One is supplied and installed as a ready installation unit incl. pre-installation material.



Powerlift One

Description	Media arm can be swivelled down manually, made of aluminium, W/D = 100/70 mm, load-bearing capacity up to 150 kg
Versions	Media field fixtures: according to overview table Arm colour: ME01
Dimensions	W/H/D = 160/950/370 mm
Model	6860

Powerlift One



Type 5 Teacher

- 0 Emergency Stop
- 1 Socket outlet
- 2 Combination socket 2x2
- 3 Socket outlet
- 4 HDMI
- 5 Double data socket
- 6 USB

Type 6 Teacher

- 0 Emergency Stop
- 1 Socket outlet
- 2 2x selector pole + 1x earth
- 3 Socket outlet
- 4 HDMI
- 5 Double data socket
- 6 USB

Type 3 Pupils

- 0 Emergency Stop
- 1 Socket outlet
- 2 2x selector pole + 1x earth
- 3 2x selector pole + 1x earth
- 4 Socket outlet
- 5 Double data socket
- 6 Double data socket

Type 4 Pupils

- 0 without
- 1 Socket outlet
- 2 2x selector pole + 1x earth
- 3 2x selector pole + 1x earth
- 4 Socket outlet
- 5 Double data socket
- 6 Double data socket

Type 3-6: Lines Wiring selector pole: 4 mm², Electrical wiring: 3 x 2.5 mm², Type of electric cable: Standard
Arm colour Light grey

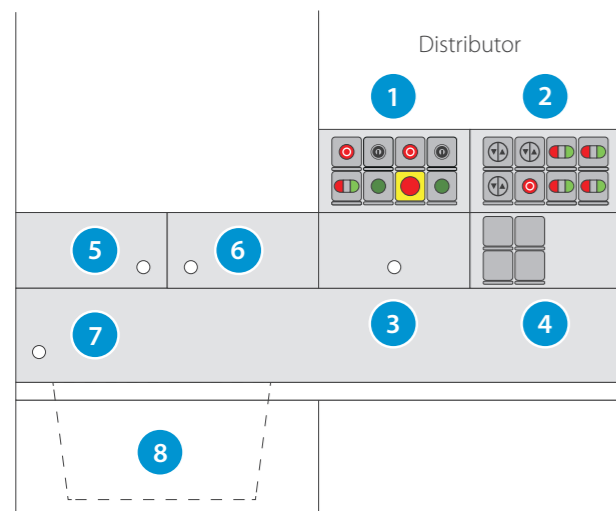
Individual

0 Emergency Stop / Double gas fitting (export only) / Double compressed air fitting (Pos 1 + 9 omitted) / without 1 Socket outlet / Blind plate 2 Socket outlet / 2x selector pole + 1x earth / 1x earth / Combination socket 2x2 / Combination socket 1x4 (Combination socket only for teacher) / Blind plate 3 Socket outlet / Socket outlet EDP / 2x selector pole + 1x earth / 4x selector pole / Blind plate 4 Socket outlet / Socket outlet EDP / HDMI 5 Socket outlet / Double data socket / Projector set / Blind plate 6 Socket outlet / Double data socket / USB / Blind plate 9 Socket outlet / Blind plate 10 Socket outlet / Emergency Stop / Blind plate 11-13 Socket outlet / Blind plate 14 Socket outlet / Double data socket / Blind plate **Lines** Wiring selector pole: 4 mm² / 6 mm², electrical wiring: 3 x 2.5 mm², Type of electric cable: halogen-free / standard **Arm colour** ME01

Connection cell

The connection cell is the central interface for all installations provided by the building owner for the ceiling supply systems. Here, among other things, are the supply terminals for gas (gas safety valves), water, electricity (electrical sub-distribution) and multimedia (EDP Switch).

- + Modular control centre
- + Clear design
- + Safe operation



Media field fixtures

- 1-4 According to overview table (see following pages)
- 5+6 Water fitting
- 7 Emergency eye-bath
- 8 Basin



Connection cell for Fly One®, Medienlift®, Powerlift

Name	Connection cell 1200	Connection cell front section 1200
Description	Connection cell with panel technology and distribution cabinet, upper row of media panels with control elements for ceiling supply system, electrical sub-distribution in wall-mounted cabinet, EDP Switch optional, draining rack on wing door above basin	Front section for connection cell, consisting of base cabinet, work surface and basin, basin matches work surface material
Versions	Basin position: left / right Water fitting above basin Media field fixtures: according to overview table	Basin position: left / right Work surface: AP02-03 / AP02-06 Base cabinet: sink cabinet 1200 mm / sink cabinet 600 mm + gas cylinder cabinet 600 mm
Options	Eye wash station Gas fitting	
Dimensions	H/D = 2700/750 mm	H/D = 900/675 mm
Model	6706 W = 1200 mm	6716 W = 1200 mm

Work surfaces

- › AP02-03
30 mm Ceradur white,
7 mm PUR beaded edge light grey
- › AP02-06
30 mm polypropylene light grey,
7 mm beaded edge

Basin

- › Integrated stoneware basin
W/H/D = 445/250/445 mm
for Ceradur work surface
- › Welded-in polypropylene sink
W/H/D = 400/250/400 mm
for polypropylene work surface

Connection cell for media wing

Name	Connection cell 1200	Connection cell front section 1200
Description	Connection cell with panel technology and distribution cabinet, upper row of media panels with control elements for ceiling supply system, electrical sub-distribution in wall-mounted cabinet, EDP Switch optional, draining rack on wing door above basin	Front section for connection cell, consisting of base cabinet, work surface and basin, basin matches work surface material
Versions	Basin position: left / right Water fitting above basin Media field fixtures: individual	Basin position: left / right Work surface: AP02-03 / AP02-06 / tile grey Base cabinet: sink cabinet 1200 mm / sink cabinet 600 mm + gas cylinder cabinet 600 mm / PSU cabinet
Options	Eye wash station Gas fitting	
Dimensions	H/D = 2700/750 mm	H/D = 900/675 mm
Model	W8888 W = 1200 mm	W8888 W = 1200 mm

Work surfaces

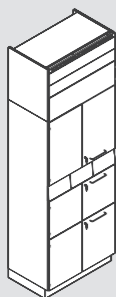
- › AP02-03
30 mm Ceradur white,
7 mm PUR beaded edge light grey
- › AP02-06
30 mm polypropylene light grey,
7 mm beaded edge
- › Tile grey, 7 mm beaded edge



Connecting cabinets

The connecting cabinet is the key interface between all installations provided by the building owner and the ceiling supply systems. Here, among other things, are the supply terminals for gas (gas safety valves), electricity (electrical sub-distribution) and multimedia (EDP Switch).

- + Modular control centre
- + Clear design
- + Safe operation

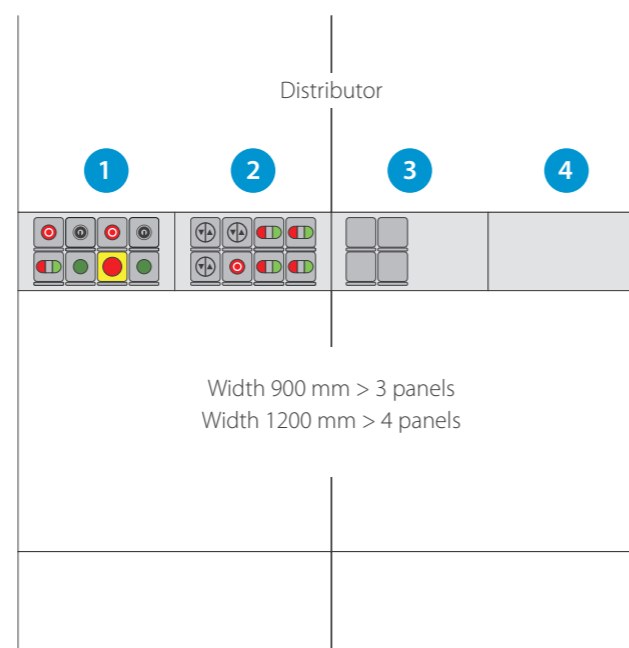


Connecting cabinet

Description	Bottom: empty cabinet Middle: multimedia compartment with electrical and multimedia connections, media duct with up to 4 media panels and controls. Top: electrical sub-distribution Top-mounted cabinet: EDP Switch
Versions	Media field fixtures: according to overview table
Dimensions	Cabinet H = 2090 mm Top-mounted cabinet H = 610 mm
Model	H6701 W/D = 900/550 mm
	H6702 W/D = 900/350 mm
	H6703 W/D = 1200/550 mm
	H6704 W/D = 1200/350 mm

Media field fixtures

1–4 according to overview table (see following pages)



Info

Fly One®, Medienlift®, Powerlift

The connecting cabinets shown can be used in combination with the ceiling supply systems Fly One®, Medienlift® and Powerlift.



Top: electrical sub-distribution, Middle: integrated multimedia compartment

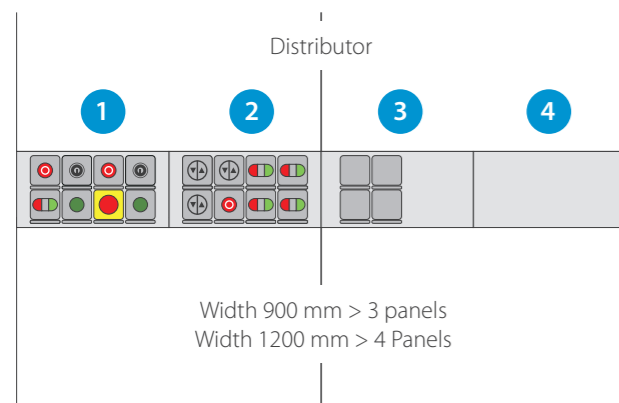


Everything under control

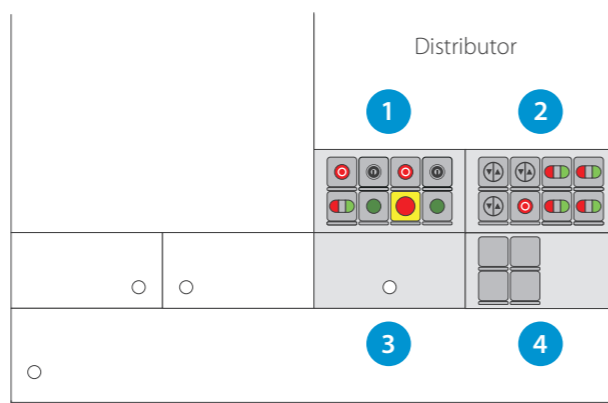
Keep track of everything. The connecting cabinets from Hohenloher help you to keep all the media under control. Activate electricity, gas or multimedia at a central location, or simply switch them off in an emergency. With the sophisticated operating concept, you will always be in safe hands.

Media fixtures connection unit

Connecting cabinet



Connection cell



Control system ceiling supply systems

Medienlift®

The following group controls are available for selection (control system TP)

Group control TP:

- 1 Group – Teacher
- 1 Group – Pupils
- 1 Group – Teacher/Pupils
- 2 Groups – 1x Teacher / 1x Pupils
- 2 Groups – 1x Pupils left / 1x Pupils right
- 2 Groups – 1x line of pupils 1+3 / 1x line of pupils 2+4
- 2 Groups – 1x line of pupils 1+2 / 1x line of pupils 3+4
- 3 Groups – 1x teacher / 1x pupils left / 1x pupils right
- 3 Groups – 1x teacher / 1x line of pupils 1+3 / 1x line of pupils 2+4
- 3 Groups – 1x teacher / 1x line of pupils 1+2 / 1x line of pupils 3+4

Fly One®

The following individual or group controls are available for selection (control system TP)

Individual control TP:

- 1 – 8 tapping points

Group control TP:

- 1 Group – teacher
- 1 Group – pupils
- 2 Groups – 1x teacher / 1x pupils

Panel Overview

For Powerlift

Type 2	Type 7	Type 3	Type 4	Type 11
1x 7629 main switch 1x 7626 electrics pupil	1x 7629 main switch 1x 7626 electrics teacher 1x 7626 electrics pupil	1x 7629 main switch 1x 7626 electrics pupil 1x 7624 gas teacher	1x 7629 main switch 1x 7626 electrics pupil 1x 7624 gas teacher safeguarded	1x 7643 EDP teacher 1x 7626 EDP pupils 1x 7629 main switch

Panel position 1 1 1 1 1

For Medienlift®

Type 20	Type 21	Type 22	Type 30
1x 7629 main switch 1x 7616 teacher lift Up / Down 1x 7616 pupil lift Up / Down 1x 7626 Electrics Teacher 1x 7626 Electrics Pupil	1x 7629 main switch 1x 7616 teacher lift Up / Down 1x 7616 pupil lift group 1 Up / Down 1x 7616 pupil lift group 2 Up / Down	1x 7629 main switch 1x 7616 teacher lift Up / Down 1x 7626 electrics teacher	1x 7626 electrics teacher 1x 7626 electrics pupil 1x 7624 gas teacher safeguarded 1x 7624 gas pupils

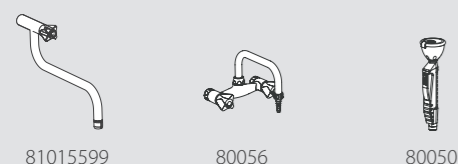
Panel position 1 1 1 2

Socket outlets + Double data sockets

Type 46	Type 73	Type 75	Type 76	Type 77
6x 7691 blind plate 2x 7571 socket outlet	3x 7691 blind plate 64mm	1x 7642 double data socket 64mm 2x 7691 blind plate 64mm	1x 7588 CEE-socket outlet 16A 1x 7691 blind plate 64mm	1x 7588 CEE-socket outlet 16A 2x 7571 socket outlet

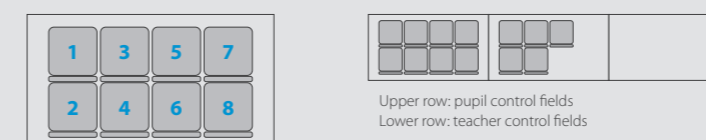
Panel position 3/4 3/4 3/4 3/4 3/4

Fittings (connection cell)



Individual panel fixtures

Info



Max. 8 media fields per panel Fixtures from left to right

- > Media field combinations must not be separated
- > Open fields can be filled with media fields with quantity 1
- > Combinations of 2 are arranged one above the other
- > Combinations with number > 2 must not be distributed to 2 panels

Function	EDP teacher / EDP pupils	EDP teacher + pupils	Main switch	Main switch with profile half-cylinder	Lift Up / Down per group	Locking Fly One®	Electrics teacher / Electrics pupil
Number of media fields	3	4	4	7	1	1	1
Order	1	1	2	2	3	4	5

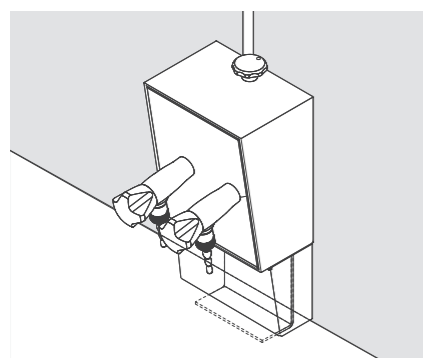
Function	Gas teacher	Gas teacher safeguarded / Gas pupils safeguarded	Gas teacher + pupils safeguarded	Lighting per group	Lighting board	Blinds per group	Blackout system per group
Number of media fields	1	2	3	1	1	1	1
Order	6	6	6	7/8	9	10	11

Function	Multimedia	Combination socket 2x2 / combination socket 1x4	Socket outlet	Double data socket 64 mm / blind plate 64 mm	CEE socket outlet 16 A
Number of media fields	1	1	1	4	4
Order	12	13	14	15	16

Mobile media modules

The mobile media modules are temporarily docked to the workstations and supply your experiment set-ups with electricity, gas or water. The controls above the tabletop are ideal for people with disabilities in particular.

- + Lightweight and mobile
- + Ideal for inclusion
- + Temporary use

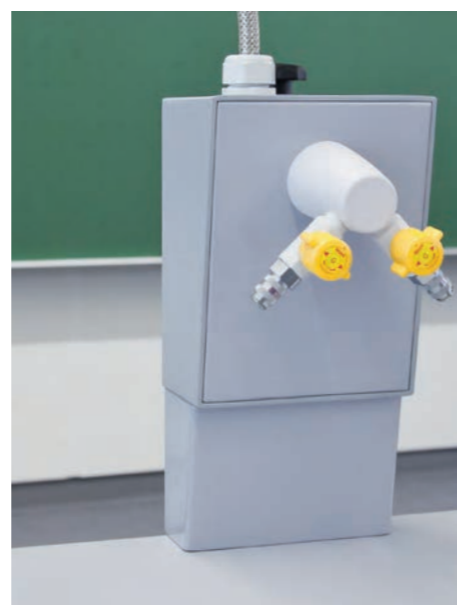


Media station

The media station supplies electricity or gas to the widest variety of work levels and enables experiment rigs to be set up locally.

- › Fast set-up times due to simple clamping assembly on the tabletop
- › User-friendly handling with direct access to the media
- › Plug-in media unit
- › Long durability due to robust housing construction

Media station	
Description	Media panel with tapping points for electricity or gas, for clamping on the tabletop, distance clamping area 10 – 100 mm
Dimensions	W/H/D = 160/310/118 mm
Model	W8888



Info

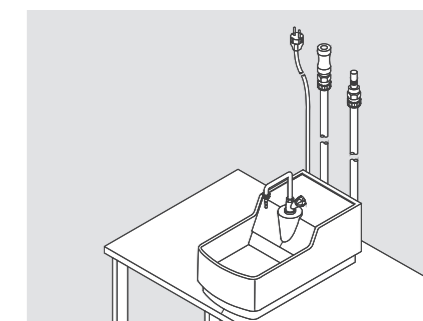
AquaEl®
This product can only be used in combination with the ceiling supply system "Media Wing", or the floor module "Media Frame".

Mobile water station
This product can only be used in combination with the ceiling supply system "Media Wing".

AquaEl®

AquaEl® is the portable water station with a wide range of possible uses. Simply transport the AquaEl® to the workstation on its trolley or set it up conveniently on the table – and the experiment using water can begin.

- › Ready-to-connect compact unit with flexible pipes and integrated pumping system
- › Water supply and waste water disposal as required via the media wing
- › Particularly suitable for courses and experimental lessons
- › Greatest possible mobility thanks to spatially unlimited set-up options
- › Optional transport trolley with side-hung door and storage unit, working height 800 mm

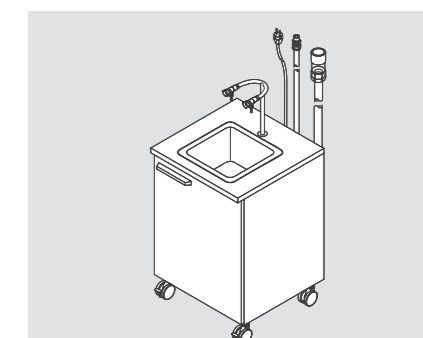


AquaEl®	
Description	Portable water station made from coated, glass fibre-reinforced plastic, weight without fitting: 14 kg, power supply: 230 V, water connection: flexible with plug nipple, waste water connection: flexible with plug nipple, standard water fitting
Options	Transport trolley
Dimensions	W/H/D = 317/268/585 mm
Model	W8888

Mobile water station

The mobile water station brings the cleaning work station to pupils and serves as a washbasin on the teacher's desk. It is connected to the media wing and can be used anywhere in the room.

- › Mobile water supply and disposal
- › Flexible supply lines coiled on rear of cabinet
- › Water supply shut off in the event of a power cut
- › Waste water pumping system in the underbench unit
- › Polypropylene basin, W/H/D = 320/200/320 mm
- › 4 castors, 2 of which can be locked in position



Mobile water station	
Description	Melamine resin-coated work surface with polypropylene drainage basin, underbench unit on 4 castors, carcass with wing door and integrated pump station, power supply: 230 V water connection: flexible with plug nipple Waste water connection: flexible with plug nipple, standard water fitting
Dimensions	W/H/D = 600/900/600 mm
Model	W8888

Mobile water module

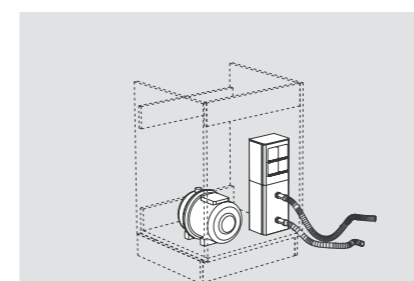
Do you want water temporarily at the workspace? Then the mobile water module is the perfect choice. Simply fill the service water tank at the water station and transport to the table. The water flows at the push of a button or per foot pump and arrives in the waste water tank. After experimenting, move to the water station and simply pump the waste water out - finished.

Special features

- › Autonomous water supply and waste water disposal through integrated service water- and waste water tank
- › Convenient operation with ergonomic plastic moulding made from polypropylene
- › Mobile and manoeuvrable due to compact structural shape and rubberised smooth-running rollers
- › Long durability due to stable frame design, aluminium corner-protection profile and impact protection on every bottom corner



Mobile water module	
Description	Module for water supply and disposal, plastic polypropylene moulding and integrated water basin, 10 litres service water tank and 10 litres waste water tank, carcass made from melamine-coated chipboard, white Design colour: light grey System height: 800 mm
Versions	Electric pump / foot pump, type of electric cable: halogen-free
Options	Locking: single 01, 02, 03 (identical)
Dimensions	W/H/D = 300/935/600 mm
Model	6807



Water station	
Description	Installation set for base cabinet, for filling the service water tank and draining the waste water tank of the mobile water module
Versions	Type of electrical cable: halogen-free
Model	H6806

Info

Minimum sizes of the base cabinets

- › Installation in water station
Width of base cabinet: at least 600 mm
- › Installation in water station + continuous-flow water heater
Width of base cabinet: at least 900 mm
- › Installation in water station + continuous-flow water heater + gas valves
Width of base cabinet: at least 1200 mm

Power Supply Units

Name	Mobile PSU 230 V	Mobile PSU 230 V	Mobile PSU 230 / 400 V	Mobile PSU 230 / 400 V
Description	Mobile electrical power supply unit made from sheet steel, colour: light grey RAL 7035, 4 plastic castors, 2 of which can be locked in position Connection: 230 V, 50 Hz Back-up fuse: 1-pole C16A Schuko plug: 3-pole 16A Discharge connector for EARTH Mains contactor with button ON/OFF Electrical circuit 1: AC voltage 0-25 V, 20 A + DC voltage 0-20 V, 20 A	Mobile electrical power supply unit made from sheet steel, colour: light grey RAL 7035, 4 plastic castors, 2 of which can be locked in position Connection: 230 V, 50 Hz Back-up fuse: 1-pole C16A Schuko plug: 3-pole 16A Discharge connector for EARTH Mains contactor with button ON/OFF Inrush current limitation Electrical circuit 1: AC voltage 0-30 V, 40 A + 0-60 V, 20 A + DC voltage 0-25 V, 40 A	Mobile electrical power supply unit made from sheet steel, colour: light grey RAL 7035, 4 plastic castors, 2 of which can be locked in position Connection: 230/400 V, 50 Hz Back-up fuse: 3-pole C25A CEE plug: 5-pole 32 A Discharge connector for EARTH Mains contactor with button ON/OFF Inrush current limitation Electrical circuit 1: AC voltage 0-45 V, 20 A + 0-240 V, 10 A + DC voltage 0-30 V, 20 A	Mobile electrical power supply unit made from sheet steel, colour: light grey RAL 7035, 4 plastic castors, 2 of which can be locked in position Connection: 230/400 V, 50 Hz Back-up fuse: 3-pole C25A CEE plug: 5-pole 32 A Discharge connector for EARTH Mains contactor with button ON/OFF Inrush current limitation Electrical circuit 1: AC voltage 0-60 V, 40 A + 0-120 V, 20 A + 0-240 V, 10 A + DC voltage 0-60 V, 40 A
Versions	Type of electrical cable: Standard / Halogen-free	Type of electrical cable: Standard / Halogen-free	Type of electrical cable: Standard / Halogen-free	Type of electrical cable: Standard / Halogen-free
Options	Electrical combi plug: for combination socket 2x2 / 1x4 Electrical circuit 2: AC voltage 0-2-4-6-8-10-12 V, 10 A fixed, removable / AC voltage 2x6 V, 10 A + 1x12 V, 10 A fixed, separately removable Voltage: stability +/- 1 Volt Residual ripple: 5% / 48%	Electrical combi plug: for combination socket 2x2 / 1x4 Electrical circuit 2: AC voltage 0-2-4-6-8-10-12 V, 10 A fixed, removable / AC voltage 0-2-4-6-8-10-12 V, 25 A fixed, removable / AC voltage 2x6 V, 10 A + 1x12 V, 10 A fixed, separately removable Voltage: stability +/- 1 Volt Residual ripple: 5% / 48% Current strength limiter Voltage selector monitor	Electrical combi plug: for combination socket 2x2 / 1x4 Electrical circuit 3: AC voltage 0-2-4-6-8-10-12 V, 10 A fixed, removable / AC voltage 0-2-4-6-8-10-12 V, 25 A fixed, removable / AC voltage 2x6 V, 10 A + 1x12 V, 10 A fixed, separately removable Electrical circuit 4: three-phase current 230/400 V, 6 A fixed, removable Voltage: stability +/- 1 Volt Residual ripple: 5% / 48% Current strength limiter Voltage selector monitor	Electrical combi plug: for combination socket 2x2 / 1x4 Electrical circuit 3: AC voltage 0-2-4-6-8-10-12 V, 25 A fixed, removable / AC voltage 0-2-4-6-8-10-12-18-24 V, 10 A fixed removable / AC voltage 2x6 V, 10 A + 1x12 V, 10 A fixed, separately removable Electrical circuit 4: three-phase current 230/400 V, 6 A fixed, removable Voltage: stability +/- 1 Volt Residual ripple: 5% / 48% Current strength limiter Voltage selector monitor
Dimensions	W/H/D = 410/900/650 mm	W/H/D = 410/900/650 mm	W/H/D = 750/900/650 mm	W/H/D = 750/900/650 mm
Model	7800	7801	7802	7803

Name	PSU	Cover hood PSU
Description	Electrical power supply unit Mains connection: 230 V, 50 Hz 10A network connectivity with control acceptance tests: AC voltage 0-25 V, 10 A DC voltage 0-20 V, 10 A	Cover hood for the protection of electrical power supply units
Version	Portable / for installation in panel	Width: 420 / 780 mm
Dimensions		H/D = 200/660 mm
Model	7660	7840

Accessories

Name	Adapter unit A	Adapter unit B	Safety cable 19 A	Safety cable 32 A
Description	Cable set for the connection of a conventional electrical power supply unit to a combination socket (e.g. on Powerlift or Medienlift*)	Cable set for the connection of an electrical power supply unit (model 7800 – 7803) to selector pole sockets (e.g. on media wing)	Voltage selection cable 19 A, 1.0 mm ²	Voltage selection cable 32 A, 2.5 mm ²
Version			Length: 250 / 500 / 1000 / 1500 / 2000 mm Colour: Yellow / Red / Green / Green-Yellow / Blue / Black	Length: 250 / 500 / 1000 / 1500 / 2000 mm Colour: Yellow / Red / Green / Green-Yellow / Blue / Black
Dimensions	L = 2000 mm	L = 2000 mm		
Model	7830	7831	8811	8810

Info

Residual ripple

The residual ripple is the percentage remaining portion of an alternating voltage, which is contained in a rectified and smoothed direct voltage. The residual ripple is specified in percentages:

1. With a bridge rectification the residual ripple is approx. 48 %
2. With a bridge rectification and an additionally integrated filter capacitor the residual ripple is approx. 5 %

Voltage stability

To stabilise the AC or DC output voltages against voltage changes due to mains voltage fluctuations or due to a change in the load, the circuit is equipped with a regulating transformer with motor drive. This motor is controlled via an electronic unit. The electronic unit is specified a target voltage value via a target value potentiometer (voltage setting). If a difference occurs between target voltage and output voltage, the regulating transformer then adjusts by means of the attached motor drive in such a way, that the output voltage corresponds with the target voltage to approx. +/- 1.0 V.



Experiment table

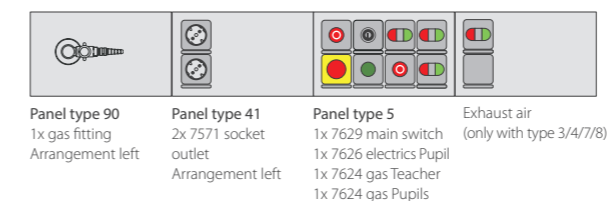
Welcome to our experiment island. The experiment table is the central control unit of all media and offers a lot of space for experimenting. The media tapping points and control elements are integrated clearly arranged in panels. Below, a wide variety of storage units ensure for the accommodation of technical equipment and accessories.

- + Convenient operation
- + Compact and robust
- + Modular design

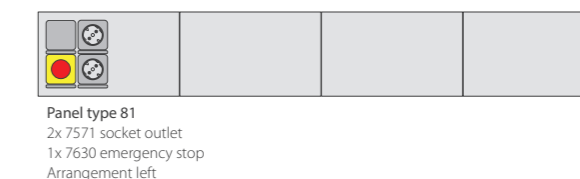


Fixtures Ex-Table Type 1–8

Teacher side

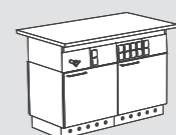


Pupil side



Experiment table

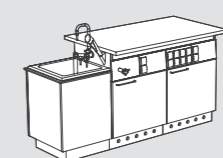
Width 1200 mm (tabletop)



Name	Experiment table type 1	Experiment table type 2	Experiment table type 3	Experiment table type 4
Description	Experiment table with energy duct including panel technology and controls Work surface: AP02-01	Experiment table with energy duct including panel technology and controls Work surface: AP02-01	Experiment table with energy duct including panel technology and controls Work surface: AP02-03	Experiment table with energy duct including panel technology and controls Work surface: AP02-03
Side connections			1x air supply, 1x exhaust air, 1x fresh water, 1x waste water	1x air supply, 1x exhaust air, 1x fresh water, 1x waste water
Left base cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet
Right base cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet
Dimensions	W/H/D = 1290/900/750 mm	W/H/D = 1290/900/750 mm	W/H/D = 1290/900/750 mm	W/H/D = 1290/900/750 mm
Model	H7102 EX01-L-12-M	H7102 EX01-R-12-M	H7102 EX01-L-12-K	H7102 EX01-R-12-K

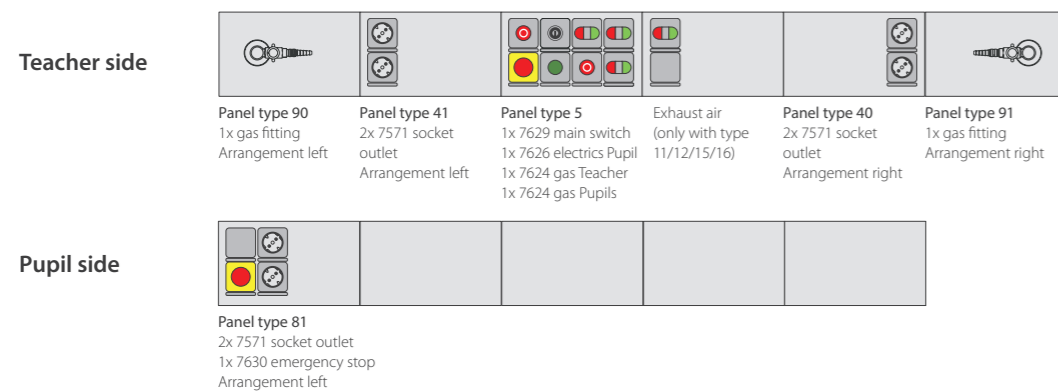
Experiment table with basin

Width 1200 mm (tabletop)



Name	Experiment table type 5	Experiment table type 6	Experiment table type 7	Experiment table type 8
Description	Experiment table with energy duct including panel technology and controls Work surface: AP02-01 Polypropylene basin left	Experiment table with energy duct including panel technology and controls Work surface: AP02-01 Polypropylene basin right	Experiment table with energy duct including panel technology and controls Work surface: AP02-03 Stoneware basin left	Experiment table with energy duct including panel technology and controls Work surface: AP02-03 Stoneware basin right
Side connections			1x air supply, 1x exhaust air, 1x fresh water, 1x waste water	1x air supply, 1x exhaust air, 1x fresh water, 1x waste water
Left base cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet
Right base cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet
Dimensions	W/H/D = 1790/900/750 mm	W/H/D = 1790/900/750 mm	W/H/D = 1790/900/750 mm	W/H/D = 1790/900/750 mm
Model	H7102 EX01-L-P-12-M	H7102 EX01-R-P-12-M	H7102 EX01-L-S-12-K	H7102 EX01-R-S-12-K

Fixtures Ex-Table Type 9–16



Experiment table

Width 1800 mm (tabletop)

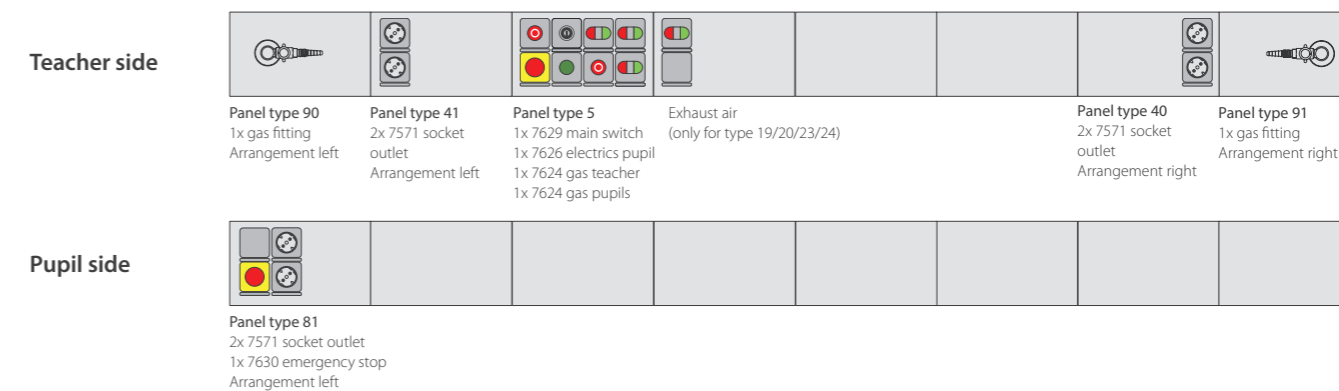
Name	Experiment table type 9	Experiment table type 10	Experiment table type 11	Experiment table type 12
Description	Experiment table with energy duct including panel technology and controls Work surface: AP02-01	Experiment table with energy duct including panel technology and controls Work surface: AP02-01	Experiment table with energy duct including panel technology and controls Work surface: AP02-03	Experiment table with energy duct including panel technology and controls Work surface: AP02-03
Side connections			1x air supply, 1x exhaust air, 1x fresh water, 1x waste water	1x air supply, 1x exhaust air, 1x fresh water, 1x waste water
Left base cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet
Centre base cabinet	PSU base cabinet	PSU base cabinet	PSU base cabinet	PSU base cabinet
Right base cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet
Dimensions	W/H/D = 1890/900/750 mm	W/H/D = 1890/900/750 mm	W/H/D = 1890/900/750 mm	W/H/D = 1890/900/750 mm
Model	H7102 EX02-L-18-M	H7102 EX02-R-18-M	H7102 EX02-L-18-K	H7102 EX02-R-18-M

Experiment table with basin

Width 1800 mm (tabletop)

Name	Experiment table type 13	Experiment table type 14	Experiment table type 15	Experiment table type 16
Description	Experiment table with energy duct including panel technology and controls Work surface: AP02-01 Polypropylene basin left	Experiment table with energy duct including panel technology and controls Work surface: AP02-01 Polypropylene basin right	Experiment table with energy duct including panel technology and controls Work surface: AP02-03 Stoneware basin left	Experiment table with energy duct including panel technology and controls Work surface: AP02-03 Stoneware basin right
Side connections			1x air supply, 1x exhaust air, 1x fresh water, 1x waste water	1x air supply, 1x exhaust air, 1x fresh water, 1x waste water
Left base cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet
Centre base cabinet	PSU base cabinet	PSU base cabinet	PSU base cabinet	PSU base cabinet
Right base cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet
Dimensions	W/H/D = 2388/900/750 mm	W/H/D = 2388/900/750 mm	W/H/D = 2388/900/750 mm	W/H/D = 2388/900/750 mm
Model	H7102 EX02-L-P-18-M	H7102 EX02-R-P-18-M	H7102 EX02-L-S-18-K	H7102 EX02-R-S-18-K

Fixtures Ex-Table Type 17–24



Experiment table

Width 2400 mm (tabletop)

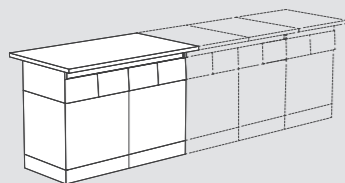
Name	Experiment table type 17	Experiment table type 18	Experiment table type 19	Experiment table type 20
Description	Experiment table with energy duct including panel technology and controls Work surface: AP02-01	Experiment table with energy duct including panel technology and controls Work surface: AP02-01	Experiment table with energy duct including panel technology and controls Work surface: AP02-03	Experiment table with energy duct including panel technology and controls Work surface: AP02-03
Side connections			1x air supply, 1x exhaust air, 1x fresh water, 1x waste water	1x air supply, 1x exhaust air, 1x fresh water, 1x waste water
Left base cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet
Centre base cabinet left	PSU base cabinet	PSU base cabinet	PSU base cabinet	PSU base cabinet
Centre base cabinet right	Cabinet 3SK	Cabinet 3SK	Cabinet 3SK	Cabinet 3SK
Right base cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet
Dimensions	W/H/D = 2490/900/750 mm	W/H/D = 2490/900/750 mm	W/H/D = 2490/900/750 mm	W/H/D = 2490/900/750 mm
Model	H7102 EX03-L-24-M	H7102 EX03-R-24-M	H7102 EX03-L-24-K	H7102 EX03-R-24-M

Experiment table with basin

Width 2400 mm (tabletop)

Name	Experiment table type 21	Experiment table type 22	Experiment table type 23	Experiment table type 24
Description	Experiment table with energy duct including panel technology and controls Work surface: AP02-01 Polypropylene basin left	Experiment table with energy duct including panel technology and controls Work surface: AP02-01 Polypropylene basin right	Experiment table with energy duct including panel technology and controls Work surface: AP02-03 Stoneware basin left	Experiment table with energy duct including panel technology and controls Work surface: AP02-03 Stoneware basin right
Side connections			1x air supply, 1x exhaust air, 1x fresh water, 1x waste water	1x air supply, 1x exhaust air, 1x fresh water, 1x waste water
Left base cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet
Centre base cabinet left	PSU base cabinet	PSU base cabinet	PSU base cabinet	PSU base cabinet
Centre base cabinet right	Cabinet 3SK	Cabinet 3SK	Cabinet 3SK	Cabinet 3SK
Right base cabinet	Gas cylinder cabinet	Installation cabinet	Gas cylinder cabinet	Installation cabinet
Dimensions	W/H/D = 2988/900/750 mm	W/H/D = 2988/900/750 mm	W/H/D = 2988/900/750 mm	W/H/D = 2988/900/750 mm
Model	H7102 EX03-L-P-24-M	H7102 EX03-R-P-24-M	H7102 EX03-L-S-24-K	H7102 EX03-R-S-24-K

Experiment table



Experiment table	
Description	Modular configurable experiment table H/D = 900/750 mm
Versions	Width: 1200 / 1800 / 2400 mm Work surface: AP02-01 - 04 Floor connection: left / right Base cabinets and panel fixtures: according to overview table
Options	Front sink: PP / stoneware, left / right / left+right Emergency eye wash station Continuous-flow water heater Side connections: 1x air supply + 1x exhaust air, 1x fresh water + 1x waste water
Model	H7102

Optional accessories

Name	Chest of drawers	Splash protection
Description	Movable chest of drawers fixed to sliding rail, coated chipboard	Movable splash protection fixed to sliding rail, coated chipboard body, retractable safety glass
Versions	Colour: white / oak	Front colour: white / oak
Dimensions	W/H/D = 500/1022/380 mm	W/H/D = 904/782-1248/101 mm
Model	H77722	H77723

Base cabinets for experiment table

Name	Cabinet 1FT	Cabinet 3SK	Gas cylinder cabinet	Multimedia cabinet
Description	1 wing door, 1 shelf	3 drawers (H = 2x 150, 1x 200 mm)	1 wing door	1 wing door, 1 pull-out shelf
Versions	Front colour: white / oak Front design: left / right	Front colour: white / oak	Front colour: white / oak Front design: left / right	Front colour: white / oak, Front design: left / right, Electrical duct: 4 socket outlets EDP + 2 blind plates / 4 socket outlets EDP + 1 blind plate + 1 double data socket
Dimensions	H/D = 620/570 mm	H/D = 620/570 mm	H/D = 620/570 mm	H/D = 620/570 mm
Model	H50570 W = 300 mm H51570 W = 450 mm H52570 W = 600 mm	H50571 W = 300 mm H51571 W = 450 mm H52571 W = 600 mm	H51572 W = 450 mm H52572 W = 600 mm	H52575 W = 600 mm
Name	Installation cabinet	Installation cabinet	Front sink cabinet SZ	Front sink cabinet PP
Description	1 wing door front, 1 wing door rear	2 wing doors front, 2 wing doors rear	Stoneware basin	Polypropylene basin
Versions	Front colour: white / oak Front design: left / right	Front colour: white / oak		
Dimensions	W/H/D = 600/620/570 mm	W/H/D = 900/620/570 mm	W/H/D = 530/710/501 mm	W/H/D = 530/710/501 mm
Model	H52580 H52581 front sink left H52582 front sink right	H53580 H53581 front sink left H53582 front sink right	H50500	H50501
Name	PSU cabinet	PSU device for H52574	PSU cabinet	PSU device for H52573
Description	2 drawers (H = 1x 350, 1x 150 mm)	Connection: 230 V, 50 Hz, Back-up fuse: 1 pole C16 A, Dual push button ON/OFF, Discharge connector for EARTH Electrical circuit 1: AC voltage 0-25 V, 20 A + DC voltage 0-20 V, 20 A	1 drawer	Connection: 230 V, 50 Hz, Back-up fuse: 1 pole C20 A, Dual push button ON/OFF, Discharge connector for EARTH Electrical circuit 1: AC voltage 0-30 V, 40 A + 0-60 V, 20 A + DC voltage 0-25 V, 40 A
Versions	Front colour: white / oak	Type of electrical cable: Standard / Halogen-free	Front colour: white / oak	Type of electrical cable: Standard / Halogen-free
Options		Electrical circuit 2: AC voltage 0-2-4-6-8-10-12 V, 10 A fixed, removable / AC voltage 2x6 V, 10 A + 1x12 V, 10 A fixed, separately removable Voltage: stability +/- 1 Volt Residual ripple: 5 % / 48 %		Electrical circuit 2: AC voltage 0-2-4-6-8-10-12 V, 10 A fixed, removable / AC voltage 0-2-4-6-8-10-12 V, 25 A fixed, removable / AC voltage 2x6 V, 10 A + 1x12 V, 10 A fixed, separately removable Voltage: stability +/- 1 Volt Residual ripple: 5 % / 48 %
Dimensions	W/H/D = 600/620/570 mm		W/H/D = 600/620/570 mm	
Model	H52574	7810	H52573	7811



Experiment table

Panel fixtures teacher side / pupil side



Recommendation: at the teacher side, leave the first and last panel free for a possible retrofitting of gas

	Type 1	Type 2	Type 3	Type 4	Type 5	Type 6
Main switch	 1x 7629 main switch	 1x 7629 main switch 1x 7626 electrics pupil	 1x 7629 main switch 1x 7626 electrics pupil 1x 7624 gas teacher	 1x 7629 main switch 1x 7626 electrics pupil 1x 7624 gas teacher safeguarded	 1x 7629 main switch 1x 7626 electrics pupil 1x 7624 gas teacher 1x 7624 gas pupils	 1x 7629 main switch with profile half-cylinder
Panel position	Middle	Middle	Middle	Middle	Middle	Middle
EDP + Main switch	 1x 7643 EDP teacher 1x 7629 main switch	 1x 7643 EDP teacher 1x 7626 EDP pupils 1x 7629 main switch	 1x 7643 EDP teacher + 1x 7626 EDP pupils	 1x 7781 current strength limiter 8-fold	 2x 7571 socket outlet 1x 7630 emergency stop Arrangement right	 2x 7571 socket outlet 1x 7630 emergency stop Arrangement left
Panel position	Middle	Middle	Middle	Left / Right	Right (pupil side)	Left (pupil side)
Socket outlets	 2x 7571 socket outlet Arrangement right	 2x 7571 socket outlet Arrangement left	 4x 7571 socket outlet Arrangement right	 4x 7571 socket outlet Arrangement left	 2x 7571 socket outlet 2x 7571 socket outlet EDP Arrangement right	 2x 7571 socket outlet 2x 7571 socket outlet EDP Arrangement left
Panel position	x	x	x	x	x	x
Socket outlets + selector poles	 4x 7571 socket outlet 2x 7603 2x selector pole + 1x earth Arrangement right	 4x 7571 socket outlet 2x 7603 2x selector pole + 1x earth Arrangement left	 2x 7571 socket outlet 2x 7571 socket outlet EDP 2x 7603 2x selector pole + 1x earth Arrangement right	 2x 7571 socket outlet 2x 7571 socket outlet EDP 2x 7603 2x selector pole + 1x earth Arrangement left	 1x gas fitting Arrangement left	 1x gas fitting Arrangement right
Panel position	Above PSU cabinet	Above PSU cabinet	Above PSU cabinet	Above PSU cabinet	Left	Right
Socket outlets + Selector poles / Multimedia	 4x 7571 socket outlet 2x 7604 4x selector pole 2x 7600 1x earth Arrangement right	 4x 7571 socket outlet 2x 7604 4x selector pole 2x 7600 1x earth Arrangement left	 2x 7571 socket outlet 2x 7571 socket outlet EDP 2x 7604 4x selector pole 2x 7600 1x earth	 2x 7571 socket outlet 2x 7571 socket outlet EDP 2x 7604 4x selector pole 2x 7600 1x earth	 2x 7571 socket outlet EDP 1x 7647 projector set 1x 7653 HDMI 1x 7691 blind plate 64 mm	 2x 7571 socket outlet EDP 1x 7647 Projector set 1x 7653 HDMI 1x 7642 double data socket 64 mm
Panel position	Above PSU cabinet	Above PSU cabinet	Above PSU cabinet	Above PSU cabinet	Above multimedia cabinet	Above multimedia cabinet
Double data sockets Blind plates	 2x 7691 blind plate 64mm	 3x 7691 blind plate 64mm	 1x 7642 double data socket 64 mm 1x 7691 blind plate 64 mm	 1x 7642 double data socket 64 mm 1x 7691 blind plate 64 mm	 1x 7588 CEE socket outlet 16 A 1x 7691 blind plate 64 mm	 1x 7588 CEE socket outlet 16 A 2x 7571 socket outlet
Panel position	x	x	x	x	x	x

Individual panel fixtures



Max. 8 media fields per panel

Fixtures from left to right

Info

- Media field combinations must not be separated
- Open fields can be filled with media fields with quantity 1
- Combinations of 2 are arranged one above the other
- Combinations with number > 2 must not be distributed to 2 panels

Function	EDP teacher / EDP pupils	EDP teacher + pupils	Main switch	Main switch with profile half-cylinder	Lift Up / Down per group	Locking Fly One®	Electrics teacher / Electrics pupils
Number of media fields	3	4	4	7	1	1	1
Order	1	1	2	2	3	4	5

Function	Gas Teacher	Gas teacher safeguarded / Gas pupils safeguarded	Gas teacher + pupils safeguarded	Lighting per group	Lighting board	Blind per group	Blackout system per group
Number of media fields	1	2	3	1	1	1	1
Order	6	6	6	7 / 8	9	10	11

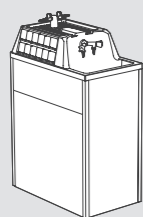
Function	Multimedia	Combination socket 2x2 / Combination socket 1x4	2x selector pole + 1x earth	4x selector pole	1x earth	Emergency stop	Socket outlet / Socket outlet EDP
Number of media fields	1	1	1	1	4	4	4
Order	12	13	14	14	15	16	17

Function	HDMI	USB	Projector set (3x cinch, 1x VGA, 1x SVHS)	Double data socket 64 mm / Blind plate 64 mm
Number of media fields	1	1	1	4
Order	18	19	20	21

Fittings



Water Module 450



Water Module 450

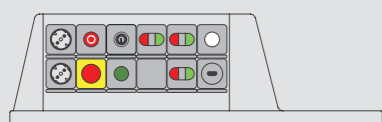
Description	Ground supply module with moulded plastic component made of polypropylene for electricity, water and gaseous media, integrated water basin, carcass made of melamine resin-coated chipboard Design profile: light grey
Versions	System height: 900 mm Inspection opening: door left / right / left + right Media field fixtures: according to overview table
Options	Small distribution board
Dimensions	W/H/D = 450/1108/750 mm

Model H7318



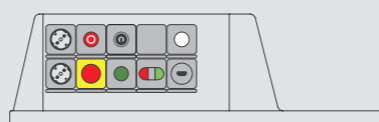
Media field fixtures

Type 1



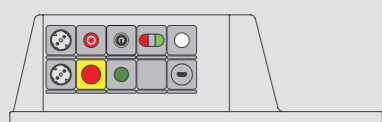
1 Socket outlet 2 Socket outlet 3-6 Main switch 7 Electrics Pupil
8 Blind plate 9 Gas Pupil 10 Gas Teacher 11 Reset 12 HDMI
13-24 Individual 25 Double data socket 64 mm 26 Blind plate 64 mm
A Double outlet valve cold water (80018) B without C Floor stand gas with 2 taps (87562)

Type 2



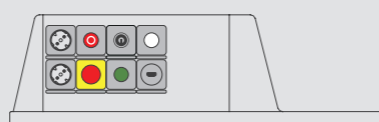
1 Socket outlet 2 Socket outlet 3-6 Main switch 7 Blind plate
8 Gas teacher 9 Reset 10 HDMI 11-12 without 13-24 Individual
25 Double data socket 64 mm 26 Blind plate 64 mm A Double outlet valve cold water (80018) B without C Floor stand gas with 2 taps (87562)

Type 3



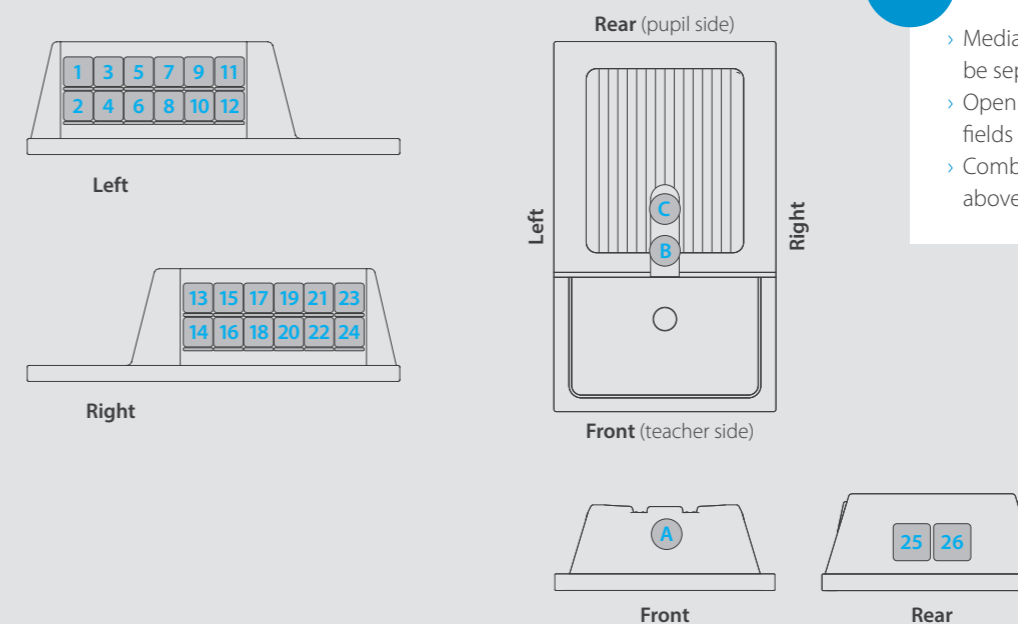
1 Socket outlet 2 Socket outlet 3-6 Main switch 7 Electrics Pupil
8 Blind plate 9 Reset 10 HDMI 11-12 without 13-24 Individual
25 Double data socket 64 mm 26 Blind plate 64 mm A Double outlet valve cold water (80018) B without C without

Type 4



1 Socket outlet 2 Socket outlet 3-6 Main switch 7 Reset 8 HDMI
9-12 without 13-24 Individual 25 Double data socket 64 mm
26 Blind plate 64 mm A Double outlet valve cold water (80018) B without C without

Individual configuration



Info

- Media field combinations must not be separated
- Open fields can be filled with media fields with quantity 1
- Combinations of 2 are arranged one above the other

Pos 1-24

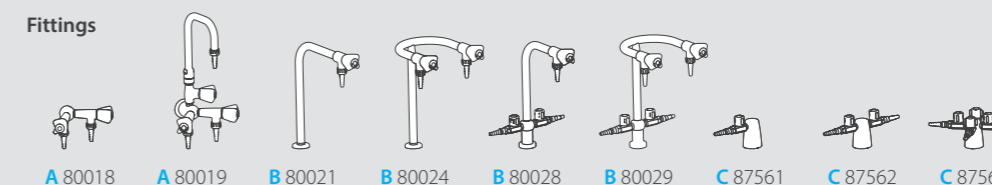
Function	EDP teacher / EDP pupils	EDP teacher + pupils	Main switch	Main switch with profile half-cylinder	Lift Up / Down per group	Reset	Electrics teacher / Electrics pupil
Number of media fields	3	4	4	7	1	1	1
Order	1	1	2	2	3	4	5

Function	Gas Teacher	Gas teacher safeguarded / Gas pupils safeguarded	Gas teacher + pupils safeguarded	Lighting per group	Lighting board	Blinds per group	Blackout system per group
Number of media fields	1	2	3	1	1	1	1
Order	6	6	6	7 / 8	9	10	11

Function	Multimedia	Combination socket 2x2 / Combination socket 1x4	2x selector pole + 1x earth	4x selector pole	1x earth	Emergency stop	Socket outlet / Socket outlet EDP
Number of media fields	1	1	1	1	4	4	4
Order	12	13	14	14	15	16	17

Function	HDMI	USB	Projector set (3x cinch, 1x VGA, 1x SVHS)	Pos 25 + 26
Number of media fields	1	1	1	4
Order	18	19	20	x

Fittings



A 80018 A 80019 B 80021 B 80024 B 80028 B 80029 C 87561 C 87562 C 87564

Water Module 300



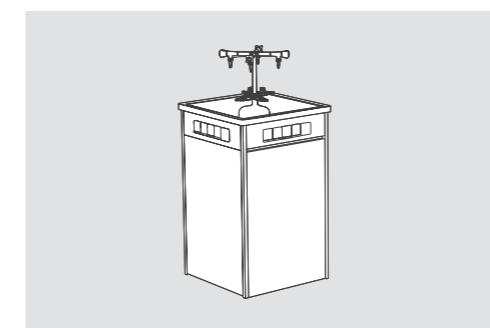
Water Module 300

Description	Ground supply module with moulded plastic component made of polypropylene for electricity, water and gaseous media, integrated water basin, carcass made of melamine resin-coated chipboard Design profile: light grey
Versions	System height: 800 mm Inspection opening: removable panel Media field fixtures: according to overview table
Dimensions	W/H/D = 300/935/600 mm

Model H7320



Water Module 600



Water Module 600

Description	Ground supply module with polypropylene ring basin, surrounding installation frame made from powder-coated aluminium, carcass made from melamine coated chipboard Design profile: light grey
Versions	System height: 800 mm Inspection opening: removable panel Media field fixtures: according to overview table
Dimensions	W/H/D = 600/1080/600 mm

Model H7317



Media field fixtures

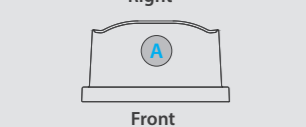
Water Module 300

Type 1	Type 2	Type 3	Type 4
C Floor stand gas with 2 taps (87562) D Emergency Stop	C Floor stand gas with 2 taps (87562) D without	C without D Emergency Stop	C without D without

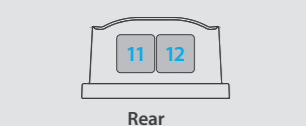
Left



Right

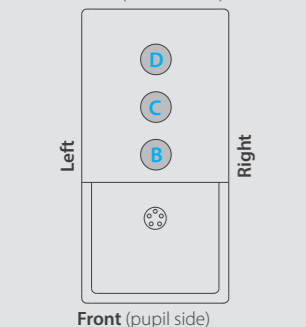


Front



Rear

Rear (teacher side)



Front (pupil side)

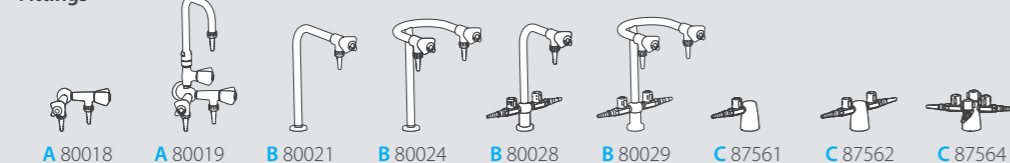
Type 1 - 4

1 Socket outlet **2** Socket outlet **3** Socket outlet **4** Socket outlet **5** 2x selector pole + 1x earth **6** 2x selector pole + 1x earth **7** Socket outlet **8** Socket outlet **9** Socket outlet **10** Socket outlet **11** Double data socket 64 mm **12** Double data socket 64 mm **A** Double outlet valve cold water (80018) **B** without **C + D** See above

Individual

1 Socket outlet / Blind plate **2** Socket outlet / Blind plate **3** Socket outlet / Socket outlet EDP / Blind plate **4** Socket outlet / 4x selector pole / Blind plate **5** Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate **6** Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate **7** Socket outlet / 4x selector pole / Blind plate **8** Socket outlet / Socket outlet EDP / Blind plate **9** Socket outlet / Blind plate **10** Socket outlet / Blind plate **11** Double data socket 64 mm / Blind plate 64 mm **12** Double data socket 64 mm / Blind plate 64 mm **A** Double outlet valve cold water (80018) / Cold water with 3 outlets (80019) / without **B** Floor stand cold water 1 angle valve (80021) / Floor stand cold water 2 angle valves parallel (80024) / Multimedia floor stand 2x Gas 1x Water (80028) / Multimedia floor stand 2x Gas 2x Water (80029) / without **C** Floor stand Gas 1 tap (87561) / Floor stand Gas 2 taps opposite (87562) / Floor stand Gas 4 taps (87564) / without **D** Emergency Stop / without

Fittings



A 80018

A 80019

B 80021

B 80024

B 80028

B 80029

C 87561

C 87562

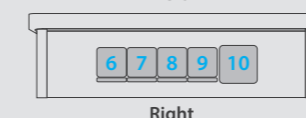
C 87564

Media field fixtures

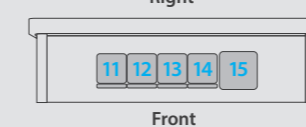
Water Module 600

Type 1	Type 2
1 Emergency Stop 6 Emergency Stop	1 Blind plate 6 Blind plate

Left



Right

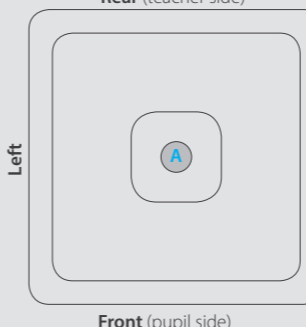


Front



Rear

Rear (teacher side)



Front (pupil side)

Type 1 - 2

1 See above **2** Socket outlet **3** Socket outlet **4** 2x selector pole + 1x earth **5** Double data socket 64 mm **6** See above **7** Socket outlet **8** Socket outlet **9** 2x selector pole + 1x earth **10** Double data socket 64 mm **11** Blind plate **12** Socket outlet **13** Socket outlet **14** 2x selector pole + 1x earth **15** Blind plate 64 mm **16** Blind plate **17** Socket outlet **18** Socket outlet **19** 2x selector pole + 1x earth **20** Blind plate 64 mm **A** Multimedia floor stand 4x water 4x gas (80030)

Individual

1 Socket outlet / Emergency Stop / Blind plate **2** Socket outlet / Blind plate **3** Socket outlet / Socket outlet EDP / Blind plate **4** Socket outlet / 2x selector pole + 1x earth / Blind plate **5** Double data socket 64 mm / Blind plate 64 mm **6** Socket outlet / Emergency Stop / Blind plate **7** Socket outlet / Blind plate **8** Socket outlet / Socket outlet EDP / Blind plate **9** Socket outlet / 2x selector pole + 1x earth / Blind plate **10** Double data socket 64 mm / Blind plate 64 mm **11** Socket outlet / Blind plate **12** Socket outlet / Blind plate **13** Socket outlet / Socket outlet EDP / Blind plate **14** Socket outlet / 2x selector pole + 1x earth / Blind plate **15** Double data socket 64 mm / Blind plate 64 mm **16** Socket outlet / Blind plate **17** Socket outlet / Blind plate **18** Socket outlet / Socket outlet EDP / Blind plate **19** Socket outlet / 2x selector pole + 1x earth / Blind plate **20** Double data socket 64 mm / Blind plate 64 mm **A** Multimedia floor stand 2x Water 2x Gas (80029) / Multimedia floor stand 4x water 4x gas (80030)

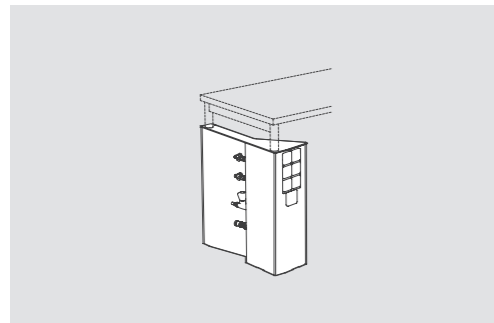
Fittings



A 80029

A 80030

Media frame



Media frame	
Description	Ground supply module made of powder-coated steel plate
Versions	Depth: 600 / 750 mm Module left / right (from pupil perspective) Media field fixtures: according to overview table
Dimensions	W/H/D = 230/635/600 mm
Model	W8888



Info
The media frame can only be used in combination with special height-adjustable tables.

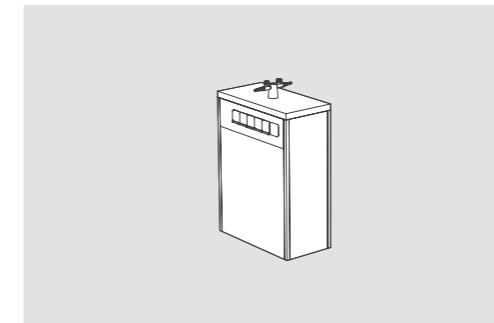
Media field fixtures

Media frame	Type 1	Type 2	Type 3	Type 4
 Side	<ol style="list-style-type: none"> Emergency Stop Socket outlet Socket outlet Socket outlet Socket outlet 2x selector pole + 1x earth Double data socket 64 mm A Gas fitting B Gas fitting C Blind plate D Blind plate 	<ol style="list-style-type: none"> Blind plate Socket outlet Socket outlet Socket outlet Socket outlet 2x selector pole + 1x earth Double data socket 64 mm A Gas fitting B Gas fitting C Blind plate D Blind plate 	<ol style="list-style-type: none"> Emergency Stop Socket outlet Socket outlet Socket outlet Socket outlet 2x selector pole + 1x earth Double data socket 64 mm A Blind plate B Blind plate C Blind plate D Blind plate 	<ol style="list-style-type: none"> Blind plate Socket outlet Socket outlet Socket outlet Socket outlet 2x selector pole + 1x earth Double data socket 64 mm A Blind plate B Blind plate C Blind plate D Blind plate

Individual

1 Emergency Stop / Blind plate 2 Socket outlet / Blind plate 3 Socket outlet / Blind plate 4 Socket outlet / Socket outlet EDP / Blind plate 5 Socket outlet / 4x selector pole / Blind plate 6 Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate 7 Double data socket 64 mm / Blind plate 64 mm A Gas fitting with 1 angle valve / Blind plate B Gas fitting with 1 angle valve / Blind plate C Water supply / Compressed air fitting / Blind plate D Water return / Compressed air fitting / Blind plate

Power Module 300



Power Module 300	
Description	Ground supply module, two-sided fitting frame for electricity and gaseous media, carcass made from melamine-coated chipboard Design profile: light grey
Versions	System height: 800 mm Inspection opening: removable panel Media field fixtures: according to overview table
Dimensions	W/H/D = 300/1000/605 mm
Model	H7322



Media field fixtures

Power Module 300	Type 1	Type 2	Type 3	Type 4
 Left Right	<ol style="list-style-type: none"> Emergency Stop Socket outlet Socket outlet Socket outlet 2x selector pole + 1x earth Double data socket 64 mm Double data socket 64 mm 2x selector pole + 1x earth Socket outlet Socket outlet Socket outlet Emergency Stop A Floor stand gas with 2 taps (87562) 	<ol style="list-style-type: none"> Blind plate Socket outlet Socket outlet Socket outlet 2x selector pole + 1x earth Double data socket 64 mm Double data socket 64 mm 2x selector pole + 1x earth Socket outlet Socket outlet Socket outlet Blind plate A Floor stand gas with 2 taps (87562) 	<ol style="list-style-type: none"> Emergency Stop Socket outlet Socket outlet Socket outlet 2x selector pole + 1x earth Double data socket 64 mm Double data socket 64 mm 2x selector pole + 1x earth Socket outlet Socket outlet Socket outlet Emergency Stop A without 	<ol style="list-style-type: none"> Blind plate Socket outlet Socket outlet Socket outlet 2x selector pole + 1x earth Double data socket 64 mm Double data socket 64 mm 2x selector pole + 1x earth Socket outlet Socket outlet Socket outlet Blind plate A without
 Rear (teacher side) Front (pupil side)	<ol style="list-style-type: none"> A Floor stand gas 1 tap (87561) / Floor stand gas 2 taps opposite (87562) / Floor stand gas 4 taps (87564) / without 			

Individual

1 Emergency Stop / Blind plate 2 Socket outlet / Blind plate 3 Socket outlet / Blind plate 4 Socket outlet / Socket outlet EDP / Blind plate 5 Socket outlet / 4x selector pole / Blind plate 6 Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate 7 Double data socket 64 mm / Blind plate 64 mm 8 Double data socket 64 mm / Blind plate 64 mm 9 Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate 10 Socket outlet / 4x selector pole / Blind plate 11 Socket outlet / Socket outlet EDP / Blind plate 12 Socket outlet / Blind plate 13 Socket outlet / Blind plate 14 Emergency Stop / Blind plate A Floor stand gas 1 tap (87561) / Floor stand gas 2 taps opposite (87562) / Floor stand gas 4 taps (87564) / without

Fittings



A 87561 A 87562 A 87564

Practice tables

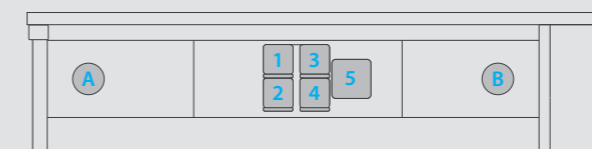
Name	Practice table 1200	Practice table 1800	Practice table 2400
Description	Practice table with energy duct for electricity and gaseous media, carcass made from melamine-coated chipboard, W = 150 mm Colour of energy duct, design profile: light grey	Practice table with energy duct for electricity and gaseous media, carcass made from melamine-coated chipboard, W = 150 mm Colour of energy duct, design profile: light grey	Practice table with energy duct for electricity and gaseous media, carcass made from melamine-coated chipboard, W = 150 mm Colour of energy duct, design profile: light grey
Versions	System height: 800 mm Work surface: AP02-01 – 04 Frame colour: ME01 Inspection opening: removable panel Floor connection: left / right Media field fixtures: according to overview table	System height: 800 mm Work surface: AP02-01 – 04 Frame colour: ME01 Inspection opening: Removable panel Floor connection: left / right Media field fixtures: according to overview table	System height: 800 mm Work surface: AP0-01 – 04 Frame colour: ME01 Inspection opening: removable panel Floor connection: left / right Media field fixtures: according to overview table
Options	Steel basket shelf	Steel basket shelf	Steel basket shelf
Dimensions	W/H/D = 1200/800/600 mm	W/H/D = 1800/800/600 mm	W/H/D = 2400/800/600 mm
Model	H7402	H7403	H7404

Info

The practice tables are independent units. A chaining of multiple units with one continuous energy duct is not possible.



Media field fixtures



Practice table 1200	Type 1	Type 2	Type 3	Type 4
	1 Emergency Stop 2 2x selector pole + 1x earth 3 Socket outlet 4 Socket outlet 5 Double data socket 64 mm A + B Gas fitting	1 Blind plate 2 2x selector pole + 1x earth 3 Socket outlet 4 Socket outlet 5 Double data socket 64 mm A + B Gas fitting	1 Emergency Stop 2 2x selector pole + 1x earth 3 Socket outlet 4 Socket outlet 5 Double data socket 64 mm A + B without	1 Blind plate 2 2x selector pole + 1x earth 3 Socket outlet 4 Socket outlet 5 Double data socket 64 mm A + B without

Individual

1 Socket outlet / Emergency Stop / Blind plate 2 Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate
3 Socket outlet / Socket outlet EDP / Blind plate 4 Socket outlet / 4x selector pole / Blind plate 5 Double data socket 64 mm / Blind plate 64 mm A Gas fitting / without B Gas fitting / without



Practice table 1800	Type 1	Type 2	Type 3	Type 4
	1 Emergency Stop 2 Socket outlet 3 2x selector pole + 1x earth 4 Double data socket 64 mm 5 Double data socket 64 mm 6 2x selector pole + 1x earth 7 Socket outlet 8 Socket outlet A + B Gas fitting	1 Blind plate 2 Socket outlet 3 2x selector pole + 1x earth 4 Double data socket 64 mm 5 Double data socket 64 mm 6 2x Selector pole + 1x earth 7 Socket outlet 8 Socket outlet A + B Gas fitting	1 Emergency Stop 2 Socket outlet 3 2x selector pole + 1x earth 4 Double data socket 64 mm 5 Double data socket 64 mm 6 2x selector pole + 1x earth 7 Socket outlet 8 Socket outlet A + B without	1 Blind plate 2 Socket outlet 3 2x selector pole + 1x earth 4 Double data socket 64 mm 5 Double data socket 64 mm 6 2x selector pole + 1x earth 7 Socket outlet 8 Socket outlet A + B without

Individual

1 Socket outlet / Emergency Stop / Blind plate 2 Socket outlet / Socket outlet EDP / Blind plate 3 Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate 4 Double data socket 64 mm / Blind plate 64 mm 5 Double data socket 64 mm / Blind plate 64 mm 6 Socket outlet / 2x selector pole + 1x earth / 4x selector pole / Blind plate 7 Socket outlet / Blind plate 8 Socket outlet / Blind plate A Gas fitting / without B Gas fitting / without 1x 4 selector pole

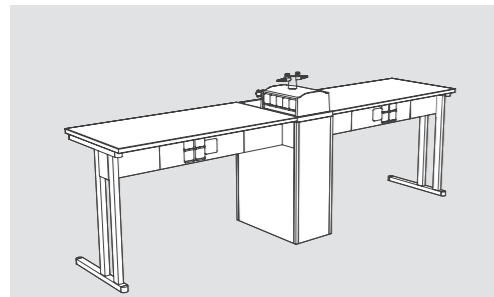


Practice table 2400	Type 1	Type 2	Type 3	Type 4
	1 Socket outlet 2 Socket outlet 3 2x selector pole + 1x earth 4 Emergency Stop 5 Double data socket 64 mm 6 Double data socket 64 mm 7 2x selector pole + 1x earth 8 Socket outlet 9 Socket outlet A + B Gas fitting	1 Socket outlet 2 Socket outlet 3 2x selector pole + 1x earth 4 Blind plate 5 Double data socket 64 mm 6 Double data socket 64 mm 7 2x selector pole + 1x earth 8 Socket outlet 9 Socket outlet A + B Gas fitting	1 Socket outlet 2 Socket outlet 3 2x selector pole + 1x earth 4 Emergency Stop 5 Double data socket 64 mm 6 Double data socket 64 mm 7 2x selector pole + 1x earth 8 Socket outlet 9 Socket outlet A + B without	1 Socket outlet 2 Socket outlet 3 2x selector pole + 1x earth 4 Blind plate 5 Double data socket 64 mm 6 Double data socket 64 mm 7 2x selector pole + 1x earth 8 Socket outlet 9 Socket outlet A + B without

Individual

1 Socket outlet / Socket outlet EDP / Blind plate 2 Socket outlet / 4x Selector pole / Blind plate 3 Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate 4 Emergency Stop / Socket outlet / Blind plate 5 Double data socket 64 mm / Blind plate 64 mm 6 Double data socket 64 mm / Blind plate 64 mm 7 Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate 8 Socket outlet / 4x selector pole / Blind plate 9 Socket outlet / Socket outlet EDP / Blind plate A Gas fitting / without B Gas fitting / without

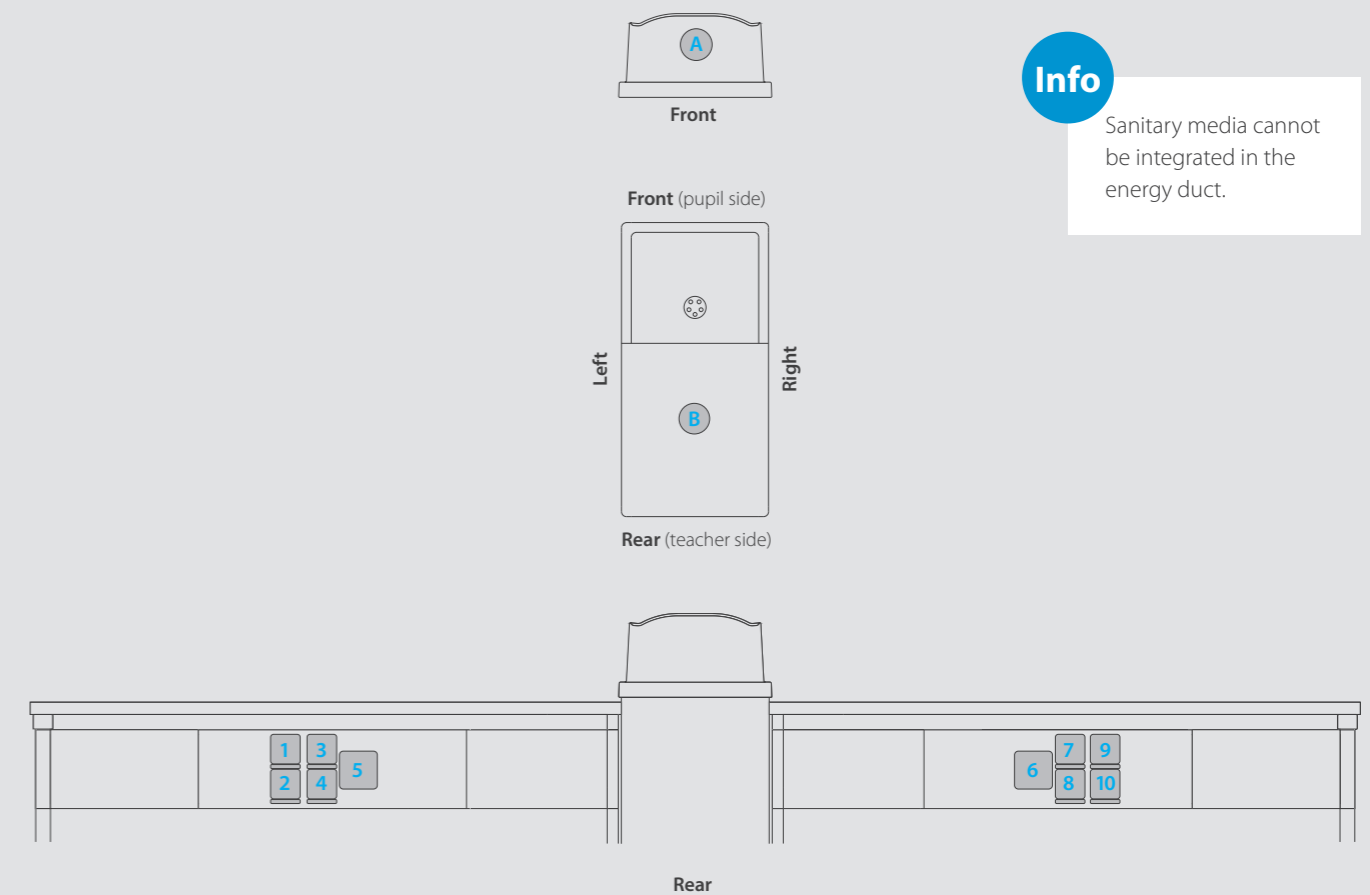
Practice table with water module



Practice table 2700 M

Description	Practice table, left 2 places, right 2 places, with energy duct for electricity, integrated water module with moulded plastic component made of polypropylene for water and gaseous media, carcass made from melamine-coated chip-board, colour of energy duct, design profile: light grey
Versions	System height: 800 mm Work surface: AP02-01 – 04 Frame colour: ME01 Inspection opening: removable panel Floor connection: centre Media field fixtures: according to overview table
Options	Steel basket shelf
Dimensions	W/H/D = 2700/935/600 mm
Model	7422

Media field fixtures

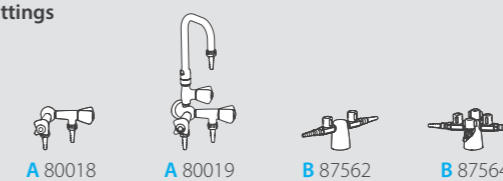


Practice table 2700 M	Type 1	Type 2	Type 3	Type 4
	1 Emergency Stop	1 Blind plate	1 Emergency Stop	1 Blind plate
	2 2x selector pole + 1x earth	2 2x selector pole + 1x earth	2 2x selector pole + 1x earth	2 2x selector pole + 1x earth
	3 Socket outlet	3 Socket outlet	3 Socket outlet	3 Socket outlet
	4 Socket outlet	4 Socket outlet	4 Socket outlet	4 Socket outlet
	5 Double data socket 64 mm	5 Double data socket 64 mm	5 Double data socket 64 mm	5 Double data socket 64 mm
	6 Double data socket 64 mm	6 Double data socket 64 mm	6 Double data socket 64 mm	6 Double data socket 64 mm
	7 Socket outlet	7 Socket outlet	7 Socket outlet	7 Socket outlet
	8 Socket outlet	8 Socket outlet	8 Socket outlet	8 Socket outlet
	9 Emergency Stop	9 Blind plate	9 Emergency Stop	9 Blind plate
	10 2x selector pole + 1x earth	10 2x selector pole + 1x earth	10 2x selector pole + 1x earth	10 2x selector pole + 1x earth
	A Double outlet valve cold water (80018)	A Double outlet valve cold water (80018)	A Double outlet valve cold water (80018)	A Double outlet valve cold water (80018)
	B Floor stand gas with 2 taps (87562)	B Floor stand gas with 2 taps (87562)	B without	B without

Individual

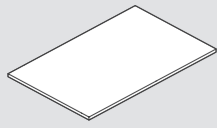
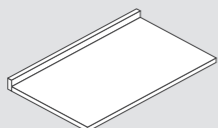
1 Socket outlet / Emergency Stop / Blind plate 2 Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate 3 Socket outlet / Socket outlet EDP / Blind plate 4 Socket outlet / 4x selector pole / Blind plate 5 Double data socket 64 mm / Blind plate 64 mm 6 Double data socket 64 mm / Blind plate 64 mm 7 Socket outlet / Socket outlet EDP / Blind plate 8 Socket outlet / 4x selector pole / Blind plate 9 Socket outlet / Emergency Stop / Blind plate 10 Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate A Gas fitting / without B Gas fitting / without

Fittings

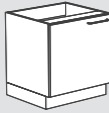

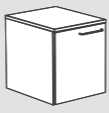


Window workspaces H = 750 mm

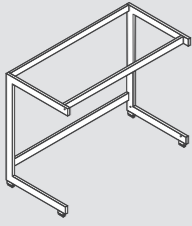
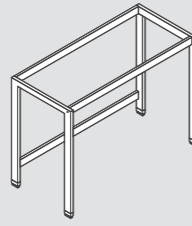
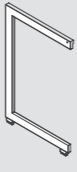
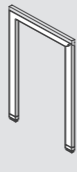
Work surfaces

		
Name	Work surface HPL	Table upstand
Description	AP02-01 30 mm work surface 0.8 mm HPL coated off-white, 3 mm PP edge off-white	19 mm table upstand 0.8 mm MEL coated white, 3 mm edge white
Versions	Width: 600 / 900 / 1050 / 1200 / 1350 / 1500 / 1650 / 1800 / 1950 / 2100 / 2250 / 2400 mm Depth: 600 / 675 / 750 / 825 mm	Width: 2000 mm Height: 60 mm (30 mm OK tabletop)
Model	907432	82500001

Base cabinets

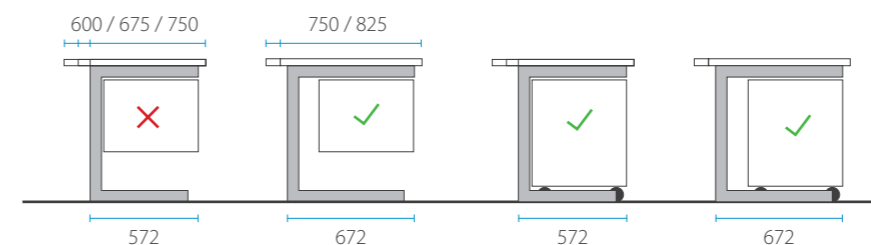
			
Name	Cabinet U1	Mobile cabinet U1	Suspended cabinet U1
Description	Base cabinets with plinth	Mobile base cabinets, in combination with frame	Suspended base cabinets, in combination with frame
Versions	Width: 450 / 600 / 900 / 1200 mm Height: 720 mm Depth: 350 / 550 mm	Width: 450 / 545 / 600 / 845 / 900 / 1145 / 1200 mm Height: 640 mm Depth: 550 mm	Width: 450 / 545 / 600 / 845 / 900 / 1145 / 1200 mm Height: 380 mm Depth: 550 mm
Model	See Storage	See Storage	See Storage

Frames

				
Name	C-shape table frame 750	H-shaped table frame 750	C leg bracket 750	H leg bracket 750
Description	C-shape rectangular table frame	H-shape rectangular table frame	C leg bracket	H leg bracket
Version	Width: 600 / 900 / 1200 / 1500 / 1800 mm Height: 720 mm Depth: 572 / 672 mm	Width: 600 / 900 / 1200 / 1500 / 1800 mm Height: 720 mm Depth: 572 / 672 mm	Height: 720 mm Depth: 572 / 672 mm	Height: 720 mm Depth: 572 / 672 mm
Model	See Workstation systems	See Workstation systems	See Workstation systems	See Workstation systems

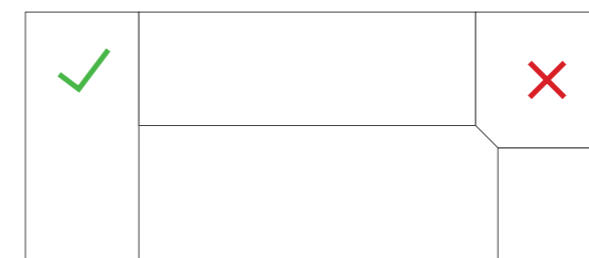
Frame options

- › No suspended base cabinets possible for table frame depth 572 mm
- › Frame depth 572 mm – work surface depth 600 / 675 / 750 mm
- › Frame depth 672 mm – work surface depth 750 / 825 mm



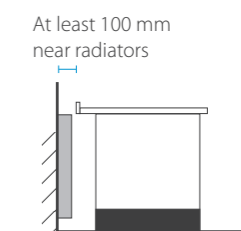
Corner solution

- › One board connected to the wall – boards with 5 corners not possible
- › Connect boards edge to edge



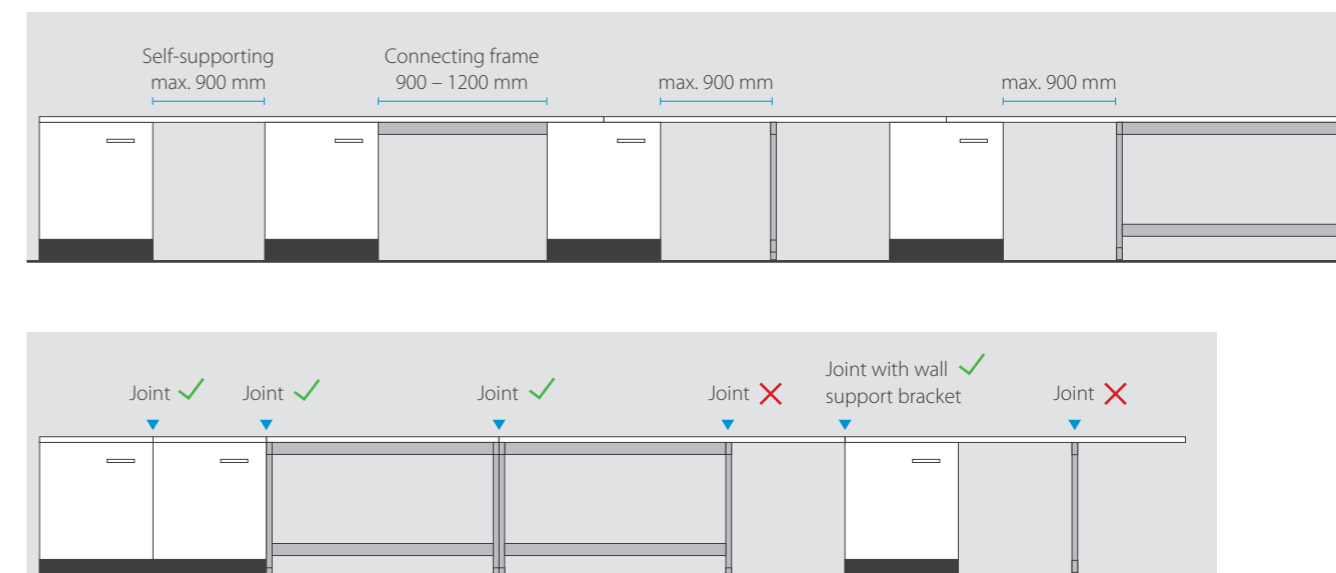
Situation in front of a radiator

- › Maintain a spacing of at least 100 mm to the wall, no cover on top



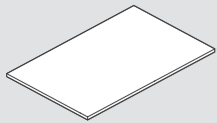
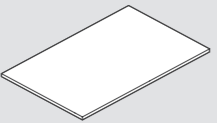
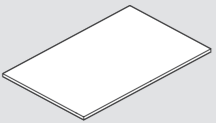
Procedure

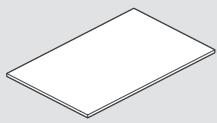
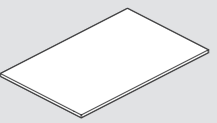
- › No processing over the entire length possible – work surfaces must be screened and jointed
- › Always position joint above base cabinet – exceptions possible for frames (see illustration)
- › Cover panel (to meet flush with the wall) can be cut to length on site



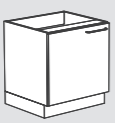
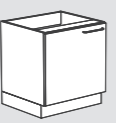

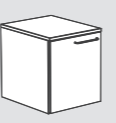
Wall workspaces H = 900 mm

Work surfaces

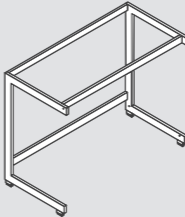
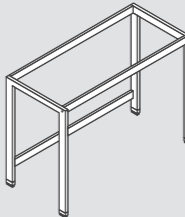

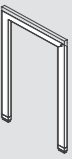
			
Name	Work surface HPL	Work surface HPL- Pur	Work surface solid core
Description	AP02-01 30 mm work surface 0.8 mm HPL coated off-white, 3 mm PP edge off-white	AP02-02 30 mm work surface 0.8 mm HPL coated off-white, 8 mm PUR edge light grey	AP02-05 19 mm work surface Solid core white, Bevelled edge black
Versions	Width: 600 / 900 / 1050 / 1200 / 1350 / 1500 / 1650 / 1800 / 1950 / 2100 / 2250 / 2400 mm Depth: 600 / 675 / 750 / 825 mm	Width: 600 / 900 / 1050 / 1200 / 1350 / 1500 / 1650 / 1800 / 1950 / 2100 / 2250 / 2400 mm Depth: 600 / 675 / 750 / 825 mm	Width: 600 / 900 / 1050 / 1200 / 1350 / 1500 / 1650 / 1800 / 1950 / 2100 / 2250 / 2400 mm Depth: 600 / 675 / 750 / 825 mm
Model	907432	H7202	907374

		
Name	Work surface Ceradur	Work surface Tile
Description	AP02-03 30 mm work surface Ceradur white, 7 mm Pur beaded edge light grey front + rear	AP02-04 30 mm work surface Tile white, 7 mm beaded edge white front + rear
Versions	Width: 600 / 900 / 1050 / 1200 / 1350 / 1500 / 1650 / 1800 / 1950 / 2100 / 2250 / 2400 mm Depth: 600 / 675 / 750 / 825 mm	Width: 600 / 900 / 1050 / 1200 / 1350 / 1500 / 1650 / 1800 / 1950 / 2100 / 2250 / 2400 mm Depth: 600 / 675 / 750 / 825 mm
Options	Beaded edge: left / right / left+right	Beaded edge: left / right / left+right
Model	H7205	H7204

Base cabinets

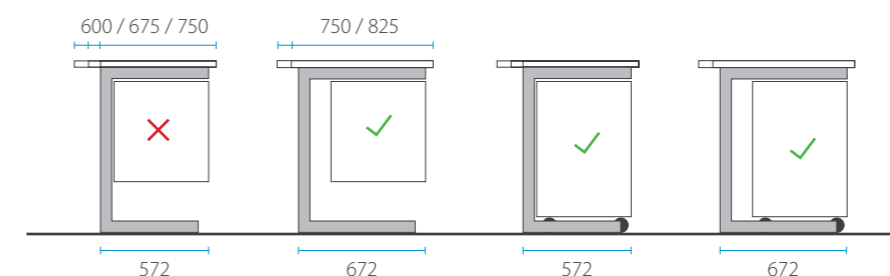
				
Name	Installation cabinet U2	Cabinet U2	Mobile cabinet U2	Suspended cabinet U2
Description	Base cabinet for distribution board	Base cabinets with plinth	Suspended base cabinets, in combination with frame	Suspended base cabinets, in combination with frame
Versions	W/H/D = 600/870/550 mm	Width: 450 / 600 / 900 / 1200 mm Height: 870 mm Depth: 350 / 550 mm	Width: 450 / 545 / 600 / 845 / 900 / 1145 / 1200 mm Height: 790 mm Depth: 550 mm	Width: 450 / 545 / 600 / 845 / 900 / 1145 / 1200 mm Height: 530 mm Depth: 550 mm
Model	See Storage	See Storage	See Storage	See Storage

Frames

				
Name	C-shape table frame 900	H-shaped table frame 900	C leg bracket 900	H leg bracket 900
Description	C-shape rectangular table frame	H-shape rectangular table frame	C leg bracket	H leg bracket
Versions	Width: 600 / 900 / 1200 / 1500 / 1800 mm Height: 870 mm Depth: 572 / 672 mm	Width: 600 / 900 / 1200 / 1500 / 1800 mm Height: 870 mm Depth: 572 / 672 mm	Height: 870 mm Depth: 572 / 672 mm	Height: 870 mm Depth: 572 / 672 mm
Model	See Workstation systems	See Workstation systems	See Workstation systems	See Workstation systems

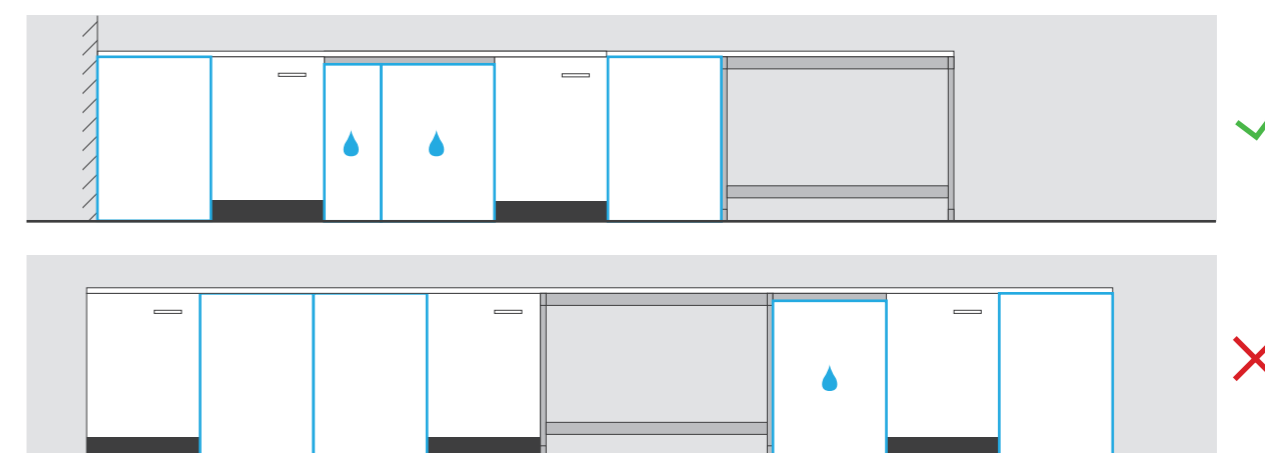
Frame options

- › No suspended base cabinets possible for table frame depth 572 mm
- › Frame depth 572 mm – work surface depth 600 / 675 / 750 mm
- › Frame depth 672 mm – work surface depth 750 / 825 mm

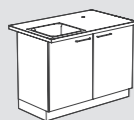


Procedure

- › A built-in appliance (dishwasher, refrigerator, etc.) must be followed by: base cabinet, tall cabinet, sink module or wall
- › Dishwasher and purifier only ever with connecting frame
- › A wall workspace should not end with a built-in appliance



Sink module



Sink module

Description	Modular designed sink module with max. 2 basins
Versions	Width: 600 / 900 / 1200 mm Height: 900 mm Depth: 675 / 750 mm Fittings, work surfaces, base Cabinets: according to overview table
Options	Appliance connection set for max. 2 appliances (dishwasher, purifier) + fitting Max. 2 socket outlets for appliances Waste bin Shut-off cold water Gas fitting (natural gas/liquid gas) System separator Continuous-flow water heater (3.5 – 18 KW)

Model H211

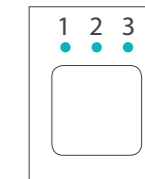
→ Splash protection panel (P. 123), Draining rack (P. 227)



Fittings

Description	Floor stand 1 angle valve, with hose screw connection Height: 200 mm Outreach: 200 mm	Floor stand, demineralised water Height: 300 mm Outreach: 200 mm	Upright mixer tap with rigid spout and angle valve Height: 300 mm	Arm-operated single-lever mixer tap, Lever: 300 mm	Stand fitting/ Mixer tap	Floor stand 2 parallel angle valves, with hose screw connection Outreach: 150 mm	Floor stand Gas 1 tap with safety device	Floor stand Gas 1 tap	Emergency eye-wash station with 1 shower head or with 2 shower heads
Position	1 / 2 / 3	1 / 2 / 3	2 (no other fittings at position 1 + 3)	2 / ● Special item	2	2	1 (basin left) 3 (basin right)	1 (basin left) 3 (basin right)	
Model	80021	80124	80037	80039	80117	80024	87561	87568	80050 / 80053

Positions:



Work Surfaces and Basins

	HPL	Ceradur	Tile	Polypropylene
Name	AP02-01	AP02-03	AP02-04	AP02-06
Description	30 mm HPL off-white, 3 mm PP edge	30 mm Ceradur white, 7 mm PUR beaded edge front + rear	30 mm tile white, 7 mm PUR beaded edge front + rear	30 mm polypropylene light grey, 7 mm PUR beaded edge all round
Options		Joint left / right / left+right	Joint left / right / left+right	
Basin	Console basin PP, grey	Integrated stoneware basin, white	Integrated stoneware basin, white	Welded-in basin PP, grey
Small	W/H/D = 400/250/400 mm	W/H/D = 445/250/445 mm	W/H/D = 445/250/445 mm	W/H/D = 400/250/400 mm
Large		W/H/D = 595/250/445 mm	W/H/D = 595/250/445 mm	
Basin options		Draining board left / right	Draining board left / right	

Versions

● Fitting positions ● Position of eye wash station ● Special position of swivel tap

Description	Small basin	Small basin left	Small basin right	Large basin left	Large basin right	Small basin left	Small basin right
Width	600 mm	900 mm	900 mm	900 mm	900 mm	1200 mm	1200 mm
HPL	●	●	●	—	—	●	●
Ceradur	●	●	●	●	●	●	●
Tile	●	●	●	●	●	●	●
Polypropylene	●	●	●	—	—	●	●
2nd base cabinet	—	—	—	—	—	●	●

Description	Small basin left + right	Large basin left	Large basin right	Small basin left with draining board	Small basin right with draining board	Large basin left with draining board	Large basin right with draining board
Width	1200 mm	1200 mm	1200 mm	1200 mm	1200 mm	1200 mm	1200 mm
HPL	●	—	—	—	—	—	—
Ceradur	●	●	●	●	●	●	●
Tile	●	●	●	●	●	●	●
Polypropylene	●	—	—	—	—	—	—
2nd base cabinet	—	—	—	—	—	—	—

Base cabinets

Sink base cabinets

Description	1 wing door, W = 600 mm	2 wing doors, W = 900 mm	2 wing doors, W = 1200 mm
Model	H52596	H53596	H54596

2nd base cabinet / built-in appliance (possible for: width 1200 mm + 1 small basin)

Description	1 wing door	3 drawers	4 drawers	5 drawers	1 drawer 1 wing door	1 full-height drawer waste	1 tilting door waste	Recess for built-in appliance
Model	H52502	H52553	H52562	H52563	H52564	H52517	H52514	X

Dishwashers



School dishwasher

Description	Dishwasher incl. top and bottom basket made from stainless steel, half inserts for beakers, basket inserts for test tubes, 1 perforated plate made from V2A Connected load: 230 V, 16 A
Dimensions	W/H/D = 600/850/600 mm
Model	9764

School dishwasher

An inexpensive model for small laboratories and schools. This dishwasher is a converted household model.

The top and bottom baskets (PVC-coated) have been removed and in each case replaced with a top and bottom basket made from 18/8 (stainless steel) from the laboratory range. An operation manual, as well as a list of chemicals that must not be put in the machine, is affixed to the front door.

Scope of supply

- > 1 top basket and bottom basket made from stainless steel
- > 1 half insert with 28 spring hooks
- > 1 half insert with 15 spring hooks
- > 1 half insert for beakers
- > 1 insert basket for test tubes up to 165 mm
- > 1 insert basket for test tubes up to 200 mm
- > 1 perforated plate made from V2A for the protection of the pump against broken glass
- > 1 conversion of the water supply to the top basket

Name	Demineralisation cartridge	Replacement cartridge
Description	Complete water demineralisation cartridge DI 425 incl. wall mount, analogue conductivity meter and hose set, flow rate: 50 L/h.	Replacement cartridge for complete water demineralisation cartridge DI 425
Preconditions	Socket outlet and cold water connection	
Dimensions	D/H = 100/600 mm	
Model	9520	9521

Info

Installation instructions for Miele laboratory dishwasher

- > The water used should have at least drinking water quality. High iron content can lead to extraneous rust on stainless steel wash items and on automatic cleaning units. A backflow inhibitor is not necessary, the machine complies with the valid European standards for the protection of drinking water.
- > As standard the automatic cleaning unit is equipped for the connection to cold- and hot water up to max. 65 °C.
- > If no hot water pipe is available, the supply hose for the hot water connection must also be connected to cold water. The supply hose without water conservation equipment for the steam condenser is connected to the shut-off valve for cold water.
- > The minimum flow pressure at the cold water connection is 100 kPa overpressure, at the hot water connection 40 kPa overpressure and at the AD-water connection 30 kPa overpressure. The recommended flow pressure at the cold- and hot water connection is ≥ 200 kPa overpressure and for the AD-water connection ≥ 200 kPa overpressure, in order to avoid excessively long times for the water intake. The maximum permissible static water pressure is 1000 kPa overpressure.
- > On-site, shut-off valves with $\frac{3}{4}$ inch screw fitting are required for the connection. The valves must be easily accessible, as the water intake is to be kept closed in prolonged operating pauses.

Miele Laboratory Dishwasher & Purifier

Name	Miele Laboratory Dishwasher	Miele Accessories	Purifier	Demineralisation cartridge
Description	Laboratory dishwasher Miele PG 8583, built-in appliance, TouchControl control system, 14 programs, incl. top- and bottom basket, incl. plinth panel, anthracite	Accessories for laboratory dishwasher Miele PG 8583	Aqua Purifier without CFC, Miele PG 8595, accommodation cabinet for complete water demineralisation cartridge, incl. plinth panel, anthracite Info: connection of demineralisation fitting possible as tapping point	Water demineralisation cartridge made from stainless steel, pressure-resistant up to 10 bar, capacity 2800 litres at 10 degrees
Preconditions	Connected load: 400 V, 16 A Flow pressure: see Info box		Connected load: 230 V, 16 A Flow pressure: 250 - 1000 kPa	
Versions	Front: white / stainless steel	according to overview table	Front: white / stainless steel	
Dimensions	W/H/D = 600/835/600 mm		W/H/D = 300/835/600 mm	D/H = 240/600 mm
Model	9765	9766	9767	9768

Miele Accessories

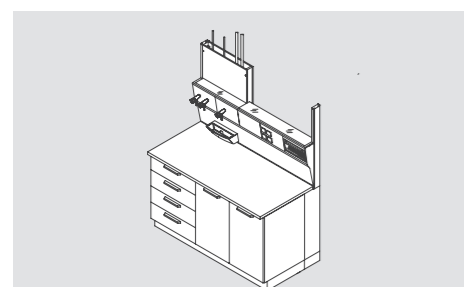
Universal insert with small hooks E 106/1	Universal insert with large hooks E 106/2	Universal insert with small and large hooks E 10	Cover A 14 for AK 12 basket	Half insert in basket design AK 12/E	
Half insert for beakers E 109	Half insert for beakers E 111	Half insert for beakers E 110	Half insert for beakers E 144	Cover net for half insert A 2	Cover net for quarter insert A 3
Segment insert for test tubes up to 75 mm E103/U	Segment insert for test tubes up to 105 mm E 104/U	Segment insert for test tubes up to 165 mm E 105/U	Segment insert for test tubes up to 200 mm E 139/U	Underlay frame for half insert A 12/E	Underlay frame for full insert A 11/E

● Standard school equipment

Media cell

The design of our media cells is simple and modular. Here, among other things, are the supply terminals for gas (gas safety valves) and electricity (electrical sub-distribution).

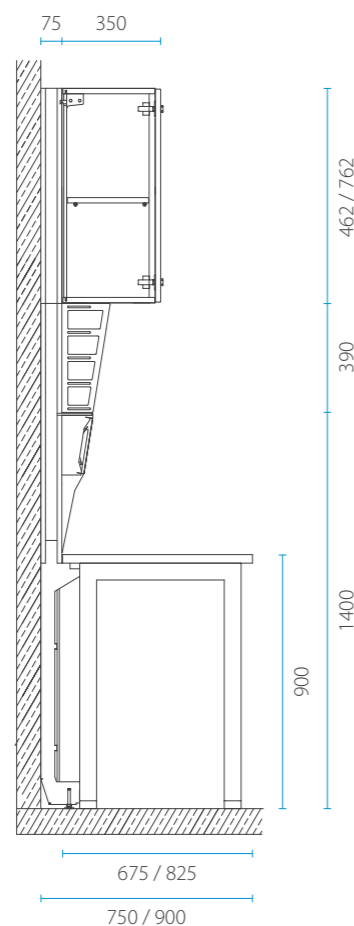
Wall-standing



Wall-standing media cell

Description	Wall-standing media cell with load-bearing profile, depth = 75 mm, transverse duct with panel technology for electricity, media and sanitary fittings
Versions	System height: 900 mm Width: 600 / 900 / 1200 / 1500 / 1800 mm Height: 1790 / 2252 / 2552 mm Depth of front section: 675 / 825 mm Work surface: AP02-01 / AP02-03 / AP02-05 / AP02-06 / Tile grey 1 - 3 glass shelves Front section: console / mobile extension table / table frame / base cabinet / built-in appliance
Options	Wall-mounted cabinet from H = 2252 mm Underfit lamps

Model W8888

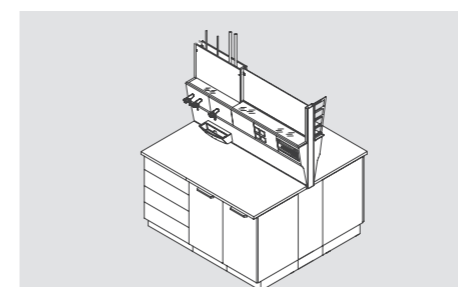


Info

Wall-standing & double-sided

- › Width of wall-mounted cabinet and cell must be identical (exception 1500 mm wide cells)
- › If possible, the grid of the wall-mounted cabinets should correspond with the grid of the base cabinets
- › For safety reasons a ladder rail is not possible for wall-mounted cabinets
- › Work surface depths of 825 mm are necessary for dishwashers
- › Built-in appliances are not possible at the ends of the group of cells (note catalogue pages Wall Workspaces)
- › A maximum of 1 sinkhole basin + one emergency eye-wash station is possible per cell
- › A variety of accessories available (e.g. draining board, soap dispenser, hand towel dispenser, ion exchanger, scaffold points)

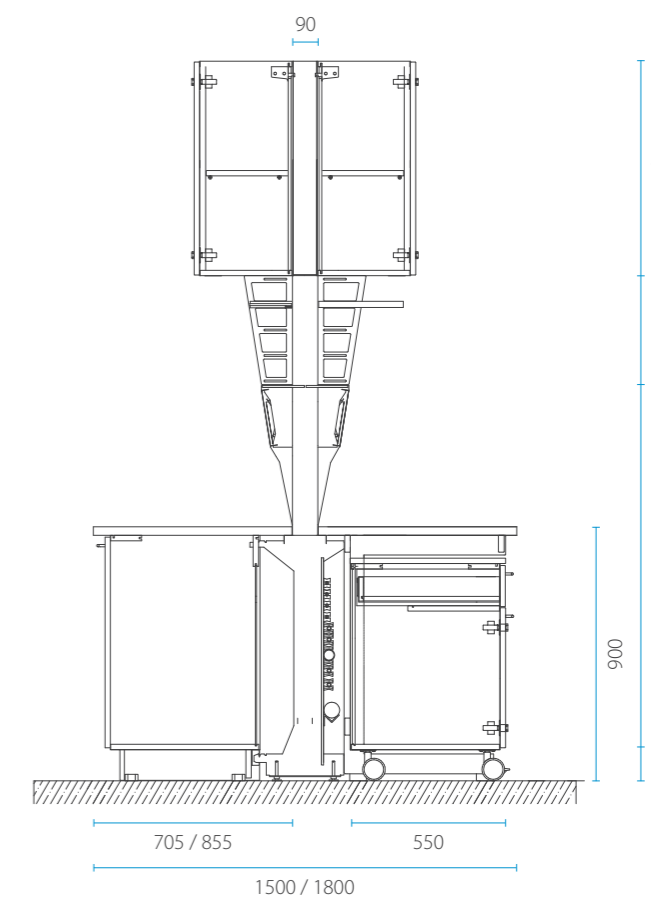
Double-sided



Double-sided media cell

Description	Double-sided media cell with load-bearing profile, depth = 90 mm, transverse duct with panel technology for electricity, media and sanitary fittings
Versions	System height: 900 mm Width: 1500 / 1800 mm Height: 1790 / 2252 / 2552 mm Depth of front section: 705 / 855 mm Work surface: AP02-03 / AP02-06 / AP02-07 / Tile grey 1 - 3 glass shelves Front section: console / mobile extension table / table frame / base cabinet / built-in appliance
Options	Wall-mounted cabinet from H = 2252 mm Underfit lamps Splash protection panel

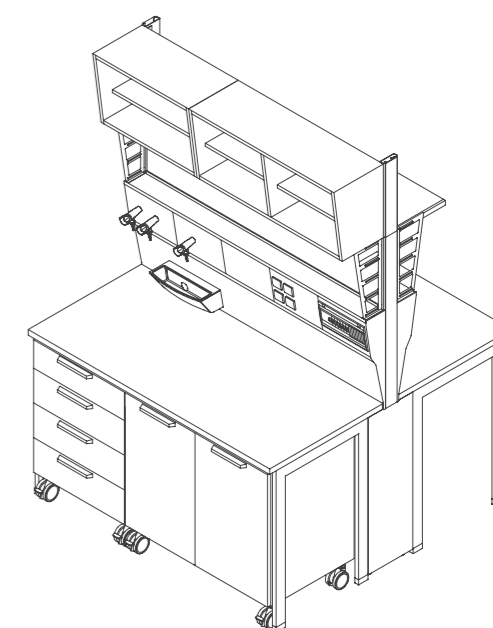
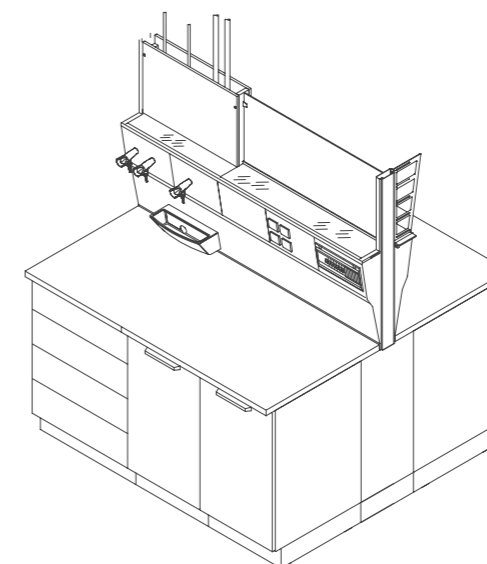
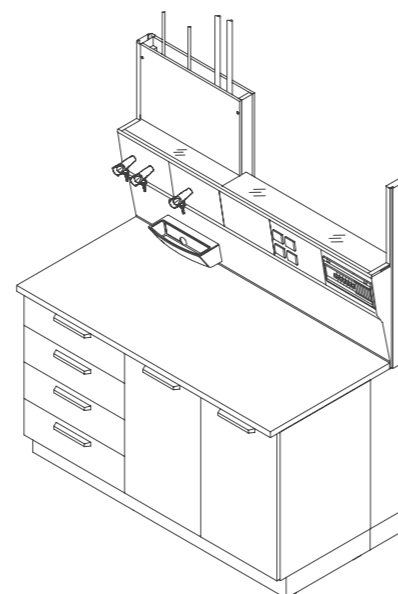
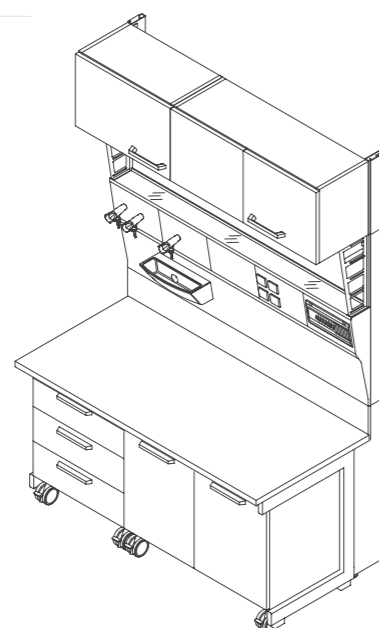
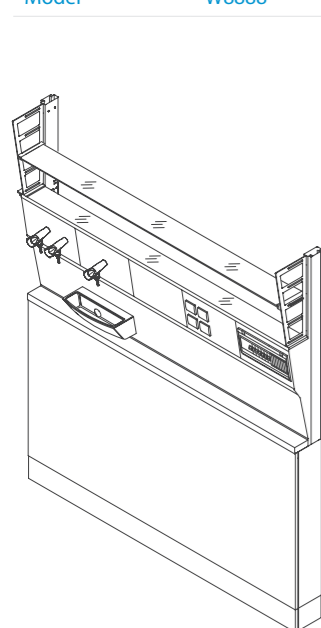
Model W8888



Info

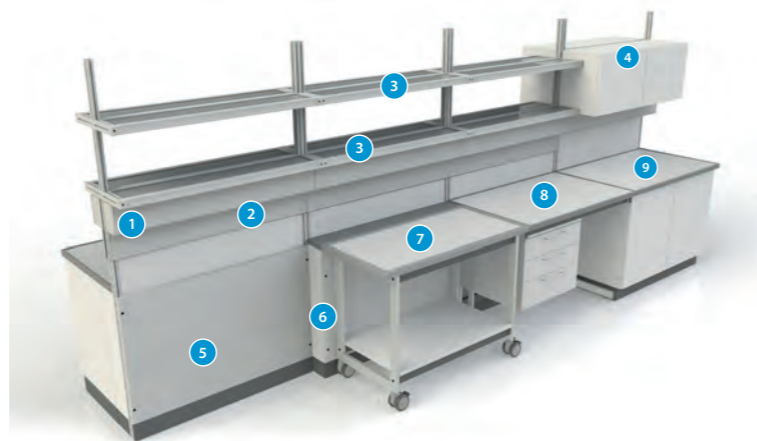
Double-sided

- › In Germany a splash protection partition wall is always necessary between the workspaces
- › With wall-mounted cabinets, consoles on both sides is only possible with a ceiling attachment

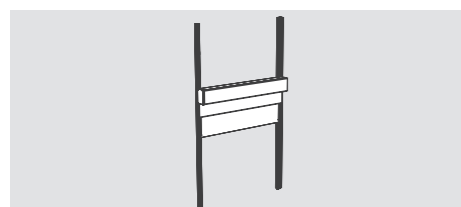


Modulab cell

The design of our Modulab Cells is similar to a construction kit. Here, among other things, are the supply terminals for gas (gas safety valves) and electricity (electrical sub-distribution).



Wall-standing



Wall-standing Modulab

Description	Wall-standing energy cell with 2 load-bearing profiles 45/30 mm, energy duct for media supply, including separator for gas/electricity
Versions	System height: 900 mm Width: 600 / 900 / 1200 / 1500 mm Height: 1445 / 2090 / 2300 mm Front section: Panel / Console 150 mm / Wall Workspace 675 / 750 mm / Sink module / Mobile Extension Table
Options	Sanitary installation Glass shelf: 1 / 2 Wall-mounted cabinet from H = 2090 mm

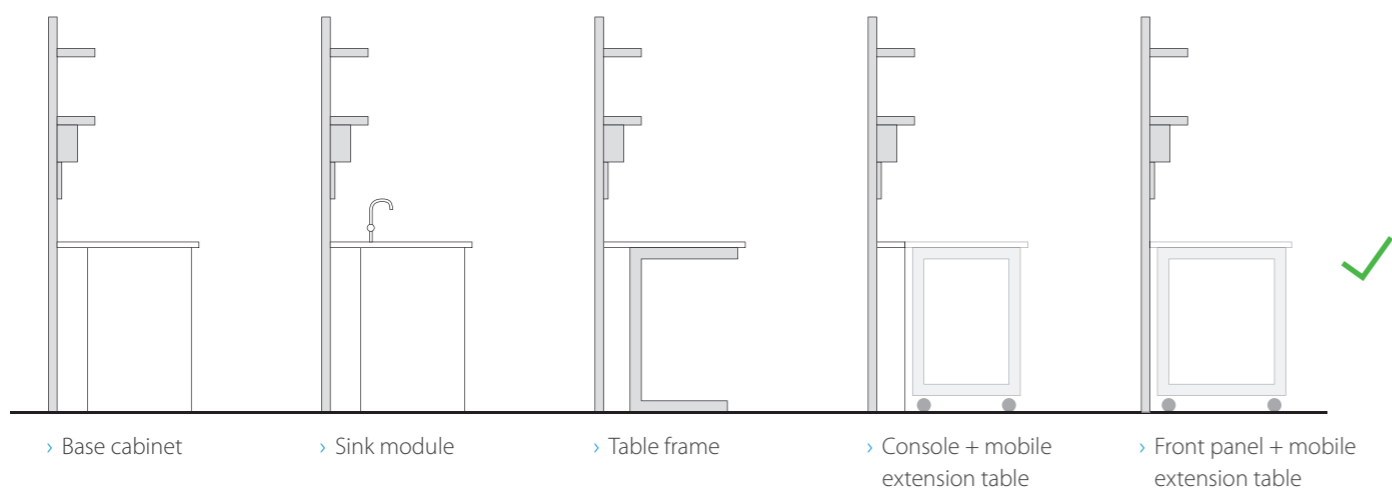
Model **H7340**

Modulab cell design principle

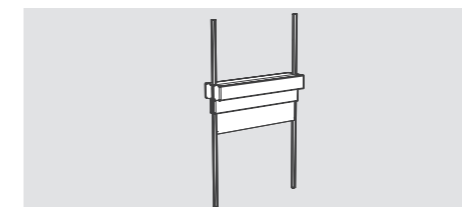
- 1 Energy duct
- 2 Sanitary duct
- 3 Glass shelves (incl. 2 scaffold points per shelf)
- 4 Wall-mounted cabinet
- 5 Panel
- 6 Console with work surface
- 7 Mobile extension table
- 8 Table frame with suspended base cabinet
- 9 Fixed base cabinet

Info

- › Width of wall-mounted cabinet and cell must be identical (exception 1500 mm wide cells)
- › If possible, the grid of the wall-mounted cabinets should correspond with the grid of the base cabinets
- › For safety reasons a ladder rail is not possible for wall-mounted cabinets
- › Max. 1 glass shelf possible in wall-mounted cabinet
- › A work surface depth of 750 mm is necessary for dishwashers
- › Built-in appliances are not possible at the ends of the group of cells (note catalogue pages Wall Workspaces)
- › Electricity level fixtures: Double data socket, Socket outlet, Emergency Stop, CEE, Selector pole, Main switch, Enable Electricity/Gas



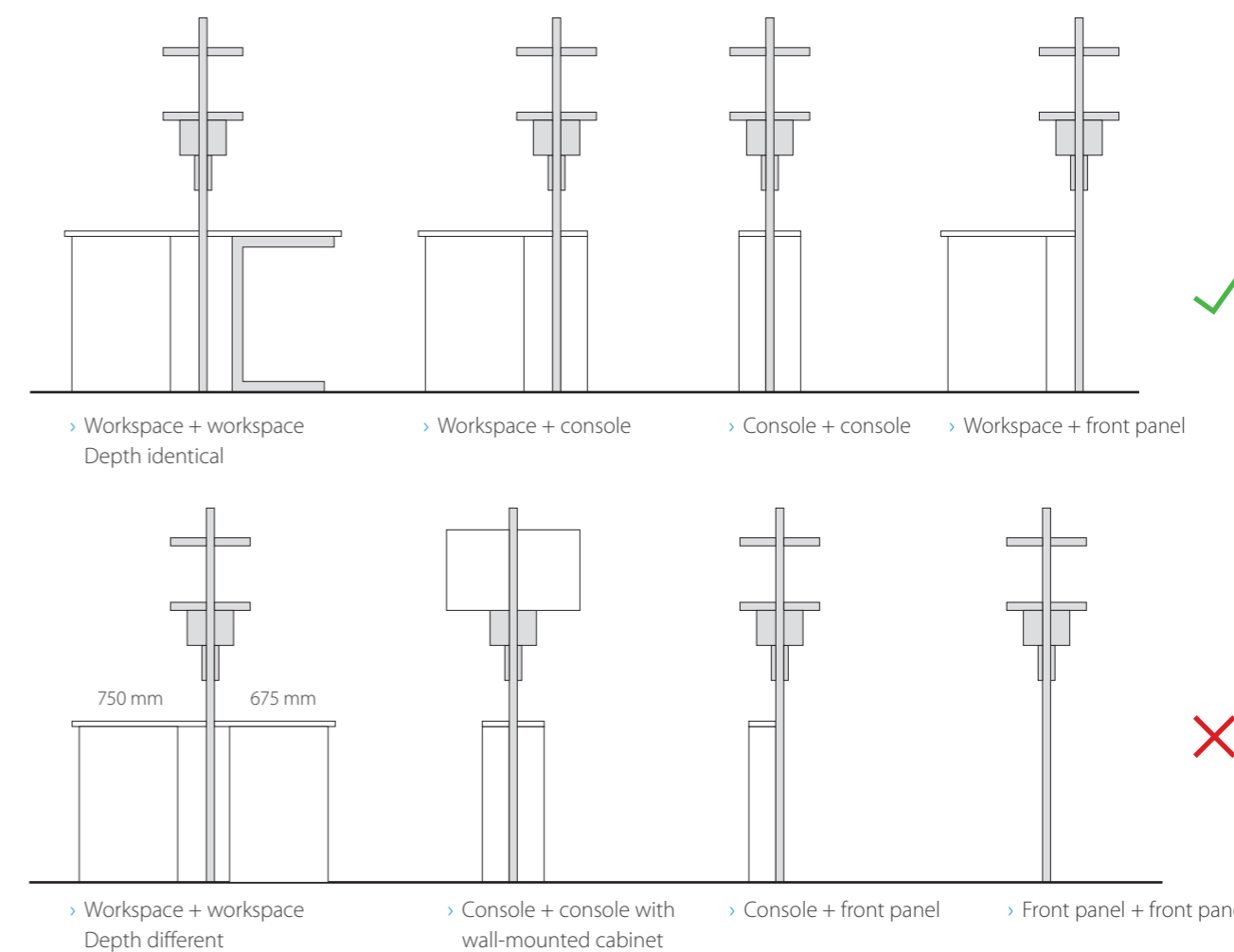
Double-sided



Free-standing Modulab

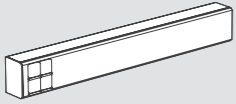
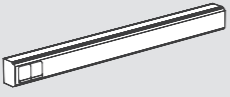
Description	Double-sided energy cell with 2 load-bearing profiles 45/30 mm, energy duct for media supply, incl. separator for gas/electricity
Versions	System height: 900 mm Width: 600 / 900 / 1200 / 1500 mm Height: 1445 / 2090 / 2300 mm Front section: Panel / Console 150 mm / Wall Workspace 675 / 750 mm / Sink module / Mobile Extension Table
Options	Sanitary installation Glass shelf: 1 / 2 Wall-mounted cabinet from H = 2090 mm

Model **H7345**



Media ducts

Wall ducts made from aluminium

		
Name	Energy duct 160	Energy duct 110
Description	Powder-coated aluminium installation duct, consisting of U-shaped base duct and screw-on cover Colour: light grey RAL 7035	Powder-coated aluminium installation duct, consisting of U-shaped base duct and screw-on cover Colour: light grey RAL 7035
Versions	Width: 600 / 900 / 1200 / 1500 / 1800 / 2100 / 2400 mm / Flex (100 – 2400 mm)	Width: 300 / 600 / 900 / 1200 / 1500 / 1800 / 2100 / 2400 mm / Flex (100 – 2400 mm)
Options	Separator	Separator
Dimensions	H/D = 160/115 mm	H/D = 110/85 mm
Model	8585	8593

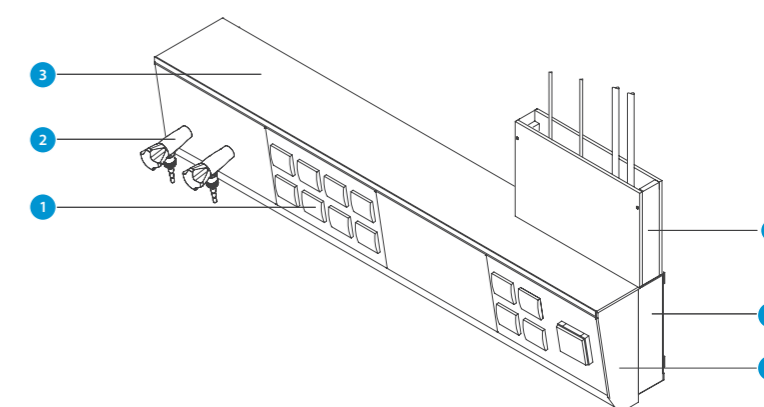


Plastic cable ducts

Cable duct	
Description	Plastic cable duct for surface installation Colour: white
Versions	H/D: 15/15 mm 30/30 mm 60/30 mm
Dimensions	L = 2000 mm
Model	8590

Wall ducts made of steel plate




Media duct	
Description	Powder-coated steel plate installation duct, consisting of base duct and clip-on panels
Versions	Width: 600 / 900 / 1200 / 1500 / 1800 mm
Dimensions	H/D = 252/184 mm
Model	W8888






- 1 Media panel with socket outlets
- 2 Media panel with angle valves
- 3 Tray wall media duct
- 4 Media supply from above
- 5 Fixing profile/media routing
- 6 Media duct





Media fields

Socket outlets


			
Name	Socket outlet / Socket outlet EDP	Surface-mounted socket outlet	CEE socket outlet
Description	230 V, 16 A	230 V, 16 A	400 V, 16 A / 32 A
Model	7571	7573	7588

Multimedia





			
Name	Double data socket	Single data socket	Blind plate
Description			
Model	7642	7641	7691

				
Name	HDMI	Projector set	VGA	USB
Description				
Model	7653	7647	7651	7652





Emergency Stop





	
Name	Emergency Stop
Description	
Model	7630




Selector pole





				
Name	1x Earth	2x Selector pole + 1x Earth	4x Selector pole	Combination socket 2x2 / 1x4
Description				
Model	7600	7603	7604	7605

Check and Control Fields

				
Name	Memory scan control unit	Electronic Potentiometer	Sensor Dimmer	Indicator light
Description				
Model	7610	7613	7617	7619



				
Name	Off-switch 1-pole	Reset button	Twin pushbutton	Threefold pushbutton
Description				For darkening, 3 pushbuttons: Up, Stop, Down
Model	7620	7623	7626	7627



			
Name	Main switch	Key-operated switch EDP	Toggle switch 1-pole
Description			
Model	7629	7643	7622

				
Name	Twin pushbutton Gas	Button for room light	Push switch Up/Down	Locking
Description				
Model	7624	7625	7616	7631

Accessories

Gas burner & gas accessories

		
Name	Teclu burner	Bunsen burner
Description	Teclu burner with air regulation, needle valve and economy flame, version acc. DIN 30665	Bunsen burner with air regulation, needle valve and economy flame inside, version acc. DIN 30665
Versions	Natural gas / Propane gas	Natural gas / Propane gas
Options	Anchor foot	Anchor foot
Model	8800	8801

		
Name	Safety hose	Propane gas cylinder
Description	Gas hose with reinforced ends for safe handling Colour: red	Propane gas cylinder Colour: olive grey D/H = 229/485 mm
Versions	Length: 750 / 1000 / 1500 / 2000 / 3000 mm	Weight: 5 kg / 11 kg
Model	8732	8730

Disposal container

		
Name	Disposal container	Disposal canister
Description	Identify disposal-collection containers for solvents, steel plate coated with plastic lining and screw cap on-site	Disposal canister made from PE, 10 Litres, filling opening and venting screw connection, carry handle
Versions		Colour: White / Blue / Yellow / Green
Options	Pouring nozzle + key Safety funnel incl. overflow protection Earthing cable	Filling funnel PP with lid
Dimensions	D/H = 250/300 mm	W/H/D = 280/325/180 mm
Model	8715	8716

Info

Teclu burner or Bunsen burner?

The Teclu burner is a small gas burner, and just like the related Bunsen burner, intakes the combustion air according to the principle of the jet pump, but differs in the type of air supply and the shape of the burner tube (chimney). With the Teclu burner the air enters the chimney from below. The tube is widened conically downwards and has a larger diameter. This way a more intensive blending of the gases is achieved, and consequently a higher flame temperature. The gap for the air supply can be made larger or smaller with a horizontal wheel below the conical widening of the chimney. The Teclu burner can reach a temperature of up to 1500 °C in the inner flame. With the Bunsen burner the flame temperature can be regulated between 350 and approx. 1000 °C.

Operating pressure

Operating pressure natural gas: 18 - 25 mbar
Operating pressure propane gas:
47.5 - 57.5 mbar
(with gas cylinders use pressure reducers!)


Teclu- and Bunsen burners according to DIN 30665

In accordance with the standard 30665, DIN-burners cannot be shut-off completely, therefore even with the gas tap or the needle valve closed a small flame continues to burn. The gas supply must be shut off at the central shut-off unit in the laboratory.



Draining rack 9026

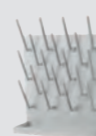

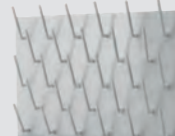
Draining racks made from steel wire

		
Name	Steel wire draining rack	Steel wire draining rack
Description	Draining rack made from impact-proof polystyrene, 72 optionally pluggable rods made from plastic-coated steel wire D = 15 mm, with collection channel and draining hose	Draining rack made from plastic-coated steel wire, 37 rods and 11 brackets, with drainage channel
Dimensions	W/H = 450/630 mm	W/H = 550/680 mm
Model	9041	9026



Draining rack 9025

Draining racks made from polypropylene

			
Name	Draining board PP	Draining rack PP	Draining board PP
Description	Draining rack made from polypropylene, base plate D = 10 mm, 18 rods D = 11 mm, with collection channel and draining tubes	Draining rack made from polypropylene, base plate D = 10 mm, 24 rods D = 11 mm, without drainage channel	Draining rack made from polypropylene, base plate D = 10 mm, 28 rods D = 11 mm, with collection channel and draining tubes
Dimensions	W/H = 300/300 mm	W/H = 300/800 mm	W/H = 600/450 mm
Model	9040	9025	9042

Product range

School equipment

Scientific equipment

Equipment for
further education and training

Services

Consultation & Planning

Production & Installation

Service & Maintenance

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