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.

**Flexibility in 4 dimensions**

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

**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 unfolds and can be navigated to any position in three dimensions.

**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

**Media field fixtures**

<table>
<thead>
<tr>
<th>Type 5</th>
<th>Type 6</th>
<th>Type 3</th>
<th>Type 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teacher</td>
<td>Teacher</td>
<td>Pupils</td>
<td>Pupils</td>
</tr>
<tr>
<td>1 Emergency Off</td>
<td>1 Emergency Stop</td>
<td>1 Emergency Stop</td>
<td>1 Socket outlet</td>
</tr>
<tr>
<td>2 Socket outlet</td>
<td>2 Socket outlet</td>
<td>2 Socket outlet</td>
<td>2 Socket outlet</td>
</tr>
<tr>
<td>3 USB</td>
<td>3 Socket outlet</td>
<td>3 Socket outlet</td>
<td>4 Socket outlet</td>
</tr>
<tr>
<td>4 HDMI</td>
<td>4 Socket outlet</td>
<td>4 Socket outlet</td>
<td>4 Socket outlet</td>
</tr>
<tr>
<td>5 Double data socket</td>
<td>5 Double data socket</td>
<td>5 Double data socket</td>
<td>5 Double data socket</td>
</tr>
<tr>
<td>6 Socket outlet</td>
<td>6 Double data socket</td>
<td>6 Double data socket</td>
<td>6 Double data socket</td>
</tr>
<tr>
<td>7 2x2 selector pole + 2x earth</td>
<td>7 2x2 selector pole</td>
<td>7 2x2 selector pole + 2x earth</td>
<td>7 2x2 selector pole</td>
</tr>
</tbody>
</table>

**Type 3–6:**

- 8, 9, 10 Fly One®: without
- Fly One® G: gas-withdrawal, without, gas-withdrawal

**Lines wiring selector pole:**

- 4 mm², **wiring electrics:** 3 x 2.5 mm², **electrical cable type:** halogen-free

**Model**

- 6940
- 6941

**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

**Info**

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

Fly One®
Flexible media supply that can be navigated in three dimensions

Fly One® G (with Gas)
Flexible media supply that can be navigated in three dimensions with gas fittings
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.

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).

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.

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
- 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

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

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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Media wing expansion stage 1</th>
<th>Media wing expansion stage 2</th>
<th>Media wing expansion stage 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Base duct with media panels for electricity supply</td>
<td>Base duct with media panels for electricity supply, lighting on both sides</td>
<td>Base duct with media panels for electricity supply, sanitary duct and/or ventilation duct, lighting on both sides</td>
</tr>
<tr>
<td>Module lengths</td>
<td>600 / 900 / 1200 / 1500 mm WH = 248/181 mm</td>
<td>600 / 900 / 1200 / 1500 mm WH = 496/181 mm</td>
<td>600 / 900 / 1200 / 1500 mm WH = 750/191 mm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>WH = 248/181 mm</td>
<td>WH = 496/181 mm</td>
<td>WH = 750/191 mm</td>
</tr>
<tr>
<td>Model</td>
<td>W8888</td>
<td>W8888</td>
<td>W8888</td>
</tr>
</tbody>
</table>

Info

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

**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

**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.

**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.

**Lighting**

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

**Pre-installation material**

- **Model**: 6800 + 6901
- **Name**: LED twin light / Single Wingline light
- **Options**: Fume cupboard connection: media connection for mobile / stationary fume cupboard
- **Dimensions**
  - **LED twin light**: Width/Height/Depth = 700/160/550 mm
  - **Single Wingline light**: Width/Height/Depth = 260/96/590 mm
- **Version**: Control DSI (optional DALI)
- **Features**
  - 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
  - Mounting: On ceiling channel / On room wall with fixed connection / On room wall with Schuko plug
**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.

**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 intergrated 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

**Easy to swivel**

**Ergonomic operation**

**User-friendly rotation**

**Media field fixtures**

<table>
<thead>
<tr>
<th>Medienlift® Teacher</th>
<th>Type 5 Teacher</th>
<th>Type 6 Teacher</th>
<th>Type 7 Teacher</th>
<th>Type 8 Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Medienlift® Pupils</td>
<td>Medienlift® Pupils</td>
<td>Medienlift® Pupils</td>
<td>Medienlift® Pupils</td>
</tr>
<tr>
<td>Description</td>
<td>Medienlift® can be swivelled down by the electric motor, can be rotated +/- 40 degrees, load-bearing capacity up to 150 kg</td>
<td>Medienlift® can be swivelled down by the electric motor, can be rotated +/- 40 degrees, load-bearing capacity up to 150 kg</td>
<td>Cannot be rotated</td>
<td>Cannot be rotated</td>
</tr>
<tr>
<td>Versions</td>
<td>Media field fixtures: according to overview table</td>
<td>Media field fixtures: according to overview table</td>
<td>Cannot be rotated</td>
<td>Cannot be rotated</td>
</tr>
<tr>
<td>Options</td>
<td>Cannot be rotated</td>
<td>Cannot be rotated</td>
<td>Cannot be rotated</td>
<td>Cannot be rotated</td>
</tr>
<tr>
<td>Dimensions</td>
<td>WH/H/D = 680/750/120 mm</td>
<td>WH/H/D = 680/750/120 mm</td>
<td>Cannot be rotated</td>
<td>Cannot be rotated</td>
</tr>
<tr>
<td>Model</td>
<td>6840</td>
<td>6841</td>
<td>Cannot be rotated</td>
<td>Cannot be rotated</td>
</tr>
</tbody>
</table>

**Media supply systems**

- **Reduction in costs for conversions or new buildings due to integrated total system solution**
- **Protection against vandalism, as out of reach when not in use**
- **High standard of safety due to collision protection and integrated slip clutch**
- **Perfect accessibility when working in teams**
- **Swift availability due to the swivel action of the electric motor**

**Model 6840 6841**

Dimensions

- **Options**
  - Cannot be rotated
  - Cannot be rotated

**Versions**

- **Name**
  - 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

**Media field fixtures**

<table>
<thead>
<tr>
<th>Type 1 Pupils</th>
<th>Type 2 Pupils</th>
<th>Type 3 Pupils</th>
<th>Type 4 Pupils</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Emergency Stop</td>
<td>1 Socket outlet</td>
<td>1 Emergency Stop</td>
<td>1 Socket outlet</td>
</tr>
<tr>
<td>2 Double data socket</td>
<td>2 Double data socket</td>
<td>2 Double data socket</td>
<td>2 Double data socket</td>
</tr>
<tr>
<td>3 Socket outlet</td>
<td>3 Socket outlet</td>
<td>3 Socket outlet</td>
<td>3 Socket outlet</td>
</tr>
<tr>
<td>4 HDMI</td>
<td>4 HDMI</td>
<td>4 HDMI</td>
<td>4 HDMI</td>
</tr>
<tr>
<td>5 USB</td>
<td>5 USB</td>
<td>5 USB</td>
<td>5 USB</td>
</tr>
<tr>
<td>6 Socket outlet</td>
<td>6 Socket outlet</td>
<td>6 Socket outlet</td>
<td>6 Socket outlet</td>
</tr>
<tr>
<td>7 Socket outlet</td>
<td>7 Socket outlet</td>
<td>7 Socket outlet</td>
<td>7 Socket outlet</td>
</tr>
<tr>
<td>8 Combination socket 2x2</td>
<td>8 Combination socket 2x2</td>
<td>8 Combination socket 2x2</td>
<td>8 Combination socket 2x2</td>
</tr>
<tr>
<td>A/B Gas fitting</td>
<td>A/B Gas fitting</td>
<td>A/B Gas fitting</td>
<td>A/B Gas fitting</td>
</tr>
<tr>
<td>A/B with</td>
<td>A/B with</td>
<td>A/B with</td>
<td>A/B with</td>
</tr>
</tbody>
</table>

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

**Individual**

- **Name**
  - Medienlift® can be swivelled down by the electric motor, can be rotated +/- 40 degrees, load-bearing capacity up to 150 kg

**Media field fixtures**

<table>
<thead>
<tr>
<th>Type 1 Pupils</th>
<th>Type 2 Pupils</th>
<th>Type 3 Pupils</th>
<th>Type 4 Pupils</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Emergency Stop</td>
<td>1 Socket outlet</td>
<td>1 Emergency Stop</td>
<td>1 Socket outlet</td>
</tr>
<tr>
<td>2 Double data socket</td>
<td>2 Double data socket</td>
<td>2 Double data socket</td>
<td>2 Double data socket</td>
</tr>
<tr>
<td>3 Socket outlet</td>
<td>3 Socket outlet</td>
<td>3 Socket outlet</td>
<td>3 Socket outlet</td>
</tr>
<tr>
<td>4 HDMI</td>
<td>4 HDMI</td>
<td>4 HDMI</td>
<td>4 HDMI</td>
</tr>
<tr>
<td>5 USB</td>
<td>5 USB</td>
<td>5 USB</td>
<td>5 USB</td>
</tr>
<tr>
<td>6 Socket outlet</td>
<td>6 Socket outlet</td>
<td>6 Socket outlet</td>
<td>6 Socket outlet</td>
</tr>
<tr>
<td>7 Socket outlet</td>
<td>7 Socket outlet</td>
<td>7 Socket outlet</td>
<td>7 Socket outlet</td>
</tr>
<tr>
<td>8 Combination socket 2x2</td>
<td>8 Combination socket 2x2</td>
<td>8 Combination socket 2x2</td>
<td>8 Combination socket 2x2</td>
</tr>
<tr>
<td>A/B Gas fitting</td>
<td>A/B Gas fitting</td>
<td>A/B Gas fitting</td>
<td>A/B Gas fitting</td>
</tr>
<tr>
<td>A/B with</td>
<td>A/B with</td>
<td>A/B with</td>
<td>A/B with</td>
</tr>
</tbody>
</table>

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

**Individual**

- **Name**
  - Medienlift® can be swivelled down by the electric motor, can be rotated +/- 40 degrees, load-bearing capacity up to 150 kg
Media field fixtures

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!

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

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

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Powerlift B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Media arm can be swivelled down manually, made of aluminium, W/D = 160/70 mm, load bearing capacity up to 150 kg</td>
</tr>
<tr>
<td>Versions</td>
<td>Media field fixtures according to overview table</td>
</tr>
<tr>
<td>Options</td>
<td>Rear fixtures</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W/H/D = 160/950/370 mm</td>
</tr>
<tr>
<td>Model</td>
<td>6864</td>
</tr>
</tbody>
</table>

Type 5 Teacher
0 Emergency Stop
1 Socket outlet
2 Socket outlet
3 Socket outlet
4 Combination socket 2x2
5 HDMI
6 Double data socket
7 USB
8 Double data socket
9 USB
10 HDMI
11 USB
12 HDMI
13 USB
14 HDMI
15 USB

Type 6 Teacher
0 Emergency Stop
1 Socket outlet
2 Socket outlet
3 Socket outlet
4 Combination socket 2x2
5 HDMI
6 Double data socket
7 USB
8 Double data socket
9 USB
10 HDMI
11 USB
12 HDMI
13 USB
14 HDMI
15 USB

Type 3 Pupil
0 Emergency Stop
1 Socket outlet
2 2x selector pole + 1 x earth
3 2x selector pole + 1 x earth
4 2x selector pole + 1 x earth
5 Socket outlet
6 Double data socket
7 Double data socket
8 Double data socket
9 Double data socket
10 Double data socket
11 Double data socket
12 Double data socket
13 Double data socket
14 Double data socket
15 Double data socket

Type 4 Pupil
0 without
1 Socket outlet
2 Socket outlet
3 2x selector pole + 1 x earth
4 2x selector pole + 1 x earth
5 Socket outlet
6 Double data socket
7 Double data socket
8 Double data socket
9 Double data socket
10 Double data socket
11 Double data socket
12 Double data socket
13 Double data socket
14 Double data socket
15 Double data socket

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

Special features

- Always up to date due to simple retrofitting capability of the integrated media
- Highly robust, as capable of bearing up to 150 kg
- Protection against vandalism, as out of reach when not in use
- Reduction in costs for conversions or new buildings due to integrated total system solution

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

Arm colour: ME01

Arm colour: ME01

Arm colour: ME01

Arm colour: ME01

Arm colour: ME01
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.

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

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.

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

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.
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

Connection cell for Fly One®, Medienlift®, Powerlift

<table>
<thead>
<tr>
<th>Name</th>
<th>Connection cell 1200</th>
<th>Connection cell front section 1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Connection cell with panel technology and distribution cabinet, upper row of media panels with control elements for ceiling supply systems, electrical sub-distribution in wall-mounted cabinet, EDP Switch optional, draining rack on wing door above basin</td>
<td>Front section for connection cell, consisting of base cabinet, work surface and basin, base matches work surface material</td>
</tr>
<tr>
<td>Versions</td>
<td>Basin position left / right</td>
<td>Basin position left / right</td>
</tr>
<tr>
<td>Water fitting above basin</td>
<td>Work surface AP02-05 / AP02-06</td>
<td></td>
</tr>
<tr>
<td>Media field fixtures: according to overview table</td>
<td>Base cabinet: sink cabinet 1200 mm + gas cylinder cabinet 600 mm</td>
<td></td>
</tr>
<tr>
<td>Options</td>
<td>Eye wash station</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>H/D = 2700/750 mm</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>6706 W = 1200 mm</td>
<td></td>
</tr>
</tbody>
</table>

Work surfaces

- AP02-05
  - 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Connection cell 1200</th>
<th>Connection cell front section 1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>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</td>
<td>Front section for connection cell, consisting of base cabinet, work surface and basin, base matches work surface material</td>
</tr>
<tr>
<td>Versions</td>
<td>Basin position left / right</td>
<td>Basin position left / right</td>
</tr>
<tr>
<td>Water fitting above basin</td>
<td>Work surface AP02-03 / AP02-06</td>
<td></td>
</tr>
<tr>
<td>Media field fixtures: individual</td>
<td>Base cabinet: sink cabinet 1200 mm + gas cylinder cabinet 600 mm + gas cylinder cabinet 600 mm / PSU cabinet</td>
<td></td>
</tr>
<tr>
<td>Options</td>
<td>Eye wash station</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>H/D = 2700/750 mm</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>W8888 W = 1200 mm</td>
<td></td>
</tr>
</tbody>
</table>

Work surfaces

- AP02-03
  - 30 mm Ceradur white, 7 mm PLR 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).

Connecting cabinet

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

Media field fixtures

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

Distributor

1  2  3  4

Width 900 mm > 3 panels
Width 1200 mm > 4 panels

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

Info

Fly One®, Medienlift®, Powerlift

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

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

Connect (connection cell)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

Width 900 mm > 3 panels
Width 1200 mm > 4 Panels

Individual panel fixtures

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

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
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

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
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.

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
- Plug-in media unit
- Long durability due to robust housing construction

**Dimensions**

W/H/D = 160/310/118 mm

**Model**

W888

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 = 417/268/585 mm

**Model**

W888

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 = 600/900/900 mm

**Model**

W888

Info

- 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

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

<table>
<thead>
<tr>
<th>Description</th>
<th>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</th>
</tr>
</thead>
<tbody>
<tr>
<td>Versions</td>
<td>Electric pump / foot pump, type of electric cable: halogen-free</td>
</tr>
<tr>
<td>Options</td>
<td>Locking: single 01, 02, 03 (identical)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W/H/D = 300/935/600 mm</td>
</tr>
<tr>
<td>Model</td>
<td>6807</td>
</tr>
</tbody>
</table>

**Info**

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.

**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

**Water station**

<table>
<thead>
<tr>
<th>Description</th>
<th>Installation set for base cabinet, for filling the service water tank and draining the waste water tank of the mobile water module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Versions</td>
<td>Type of electrical cable: halogen-free</td>
</tr>
<tr>
<td>Model</td>
<td>H6806</td>
</tr>
</tbody>
</table>

| Image | Media supply systems | 5 |
### Power Supply Units

<table>
<thead>
<tr>
<th>Name</th>
<th>Mobile PSU 230 V</th>
<th>Mobile PSU 230 V</th>
<th>Mobile PSU 230 / 400 V</th>
<th>Mobile PSU 230 / 400 V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>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</td>
<td>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</td>
<td>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</td>
<td>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</td>
</tr>
<tr>
<td><strong>Connections</strong></td>
<td>230V / 50Hz</td>
<td>230V / 50Hz</td>
<td>230V / 50Hz</td>
<td>230V / 50Hz</td>
</tr>
<tr>
<td><strong>Connection</strong></td>
<td>Back-up fuse 3-pole C16A Schuko plug: 3-pole 16A Discharge connector for EARTH Mains contactor with button ON/OFF</td>
<td>Back-up fuse 3-pole C16A Schuko plug: 3-pole 16A Discharge connector for EARTH Mains contactor with button ON/OFF</td>
<td>Back-up fuse 3-pole C25A CEE plug: 5-pole 32 A Discharge connector for EARTH Mains contactor with button ON/OFF</td>
<td>Back-up fuse 3-pole C25A CEE plug: 5-pole 32 A Discharge connector for EARTH Mains contactor with button ON/OFF</td>
</tr>
<tr>
<td><strong>Electrical Combiplug</strong></td>
<td>for</td>
<td>for</td>
<td>for</td>
<td>for</td>
</tr>
<tr>
<td><strong>Type of electrical cable</strong></td>
<td>Standard / Halogen-free</td>
<td>Standard / Halogen-free</td>
<td>Standard / Halogen-free</td>
<td>Standard / Halogen-free</td>
</tr>
<tr>
<td><strong>Options</strong></td>
<td>Type of electrical cable: Standard / Halogen-free</td>
<td>Type of electrical cable: Standard / Halogen-free</td>
<td>Type of electrical cable: Standard / Halogen-free</td>
<td>Type of electrical cable: Standard / Halogen-free</td>
</tr>
<tr>
<td><strong>Voltage Selector Monitor</strong></td>
<td>Voltage selector monitor</td>
<td>Voltage selector monitor</td>
<td>Voltage selector monitor</td>
<td>Voltage selector monitor</td>
</tr>
<tr>
<td><strong>Voltage Stability</strong></td>
<td>Voltage: stability +/- 1 Volt</td>
<td>Voltage: stability +/- 1 Volt</td>
<td>Voltage: stability +/- 1 Volt</td>
<td>Voltage: stability +/- 1 Volt</td>
</tr>
<tr>
<td><strong>Residual Ripple</strong></td>
<td>Residual ripple: 5%</td>
<td>Residual ripple: 5%</td>
<td>Residual ripple: 5%</td>
<td>Residual ripple: 5%</td>
</tr>
<tr>
<td><strong>Voltage Value</strong></td>
<td>0-20 V</td>
<td>0-20 V</td>
<td>0-20 V</td>
<td>0-20 V</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>WHxD = 410x90x650 mm</td>
<td>WHxD = 410x90x650 mm</td>
<td>WHxD = 750x90x650 mm</td>
<td>WHxD = 750x90x650 mm</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Name</th>
<th>Adapter unit A</th>
<th>Adapter unit B</th>
<th>Safety cable 19 A</th>
<th>Safety cable 32 A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Cable set for the connection of a conventional electrical power supply unit to a combination socket (e.g. on Powerlift® or Mediend®)</td>
<td>Cable set for the connection of an electrical power supply unit (model 7800 – 7803) to a standard / Halogen-free adapter unit (model 7830 – 7831) via pole sockets (e.g. on media wings)</td>
<td>Cable set for the connection of a conventional electrical power supply unit to a combination socket (e.g. on Powerlift® or Mediend®)</td>
<td>Cable set for the connection of an electrical power supply unit (model 7800 – 7803) to a standard / Halogen-free adapter unit (model 7830 – 7831) via pole sockets (e.g. on media wings)</td>
</tr>
<tr>
<td><strong>Version</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>L = 2000 mm</td>
<td>L = 2000 mm</td>
<td>Length: 250 / 500 / 1000 / 1500 / 2000 mm</td>
<td>Length: 250 / 500 / 1000 / 1500 / 2000 mm</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>7830</td>
<td>7831</td>
<td>8811</td>
<td>8810</td>
</tr>
</tbody>
</table>

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**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 to the target voltage with approx. +/- 10 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Experiment table type 1</th>
<th>Experiment table type 2</th>
<th>Experiment table type 3</th>
<th>Experiment table type 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Experiment table with energy duct including panel technology and controls. Work surface: AP02-01</td>
<td>Experiment table with energy duct including panel technology and controls. Work surface: AP02-01</td>
<td>Experiment table with energy duct including panel technology and controls. Work surface: AP02-01</td>
<td>Experiment table with energy duct including panel technology and controls. Work surface: AP02-01</td>
</tr>
<tr>
<td>Side connections</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left base cabinet</td>
<td>Installation cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Installation cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Right base cabinet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>W/H/D = 1290/900/750 mm</td>
<td>W/H/D = 1290/900/750 mm</td>
<td>W/H/D = 1290/900/750 mm</td>
<td>W/H/D = 1290/900/750 mm</td>
</tr>
<tr>
<td>Model</td>
<td>H7102 EX01-L-12-M</td>
<td>H7102 EX01-R-12-M</td>
<td>H7102 EX01-L-12-K</td>
<td>H7102 EX01-R-12-K</td>
</tr>
</tbody>
</table>

**Experiment table with basin**

Width 1200 mm (tabletop)

<table>
<thead>
<tr>
<th>Name</th>
<th>Experiment table type 5</th>
<th>Experiment table type 6</th>
<th>Experiment table type 7</th>
<th>Experiment table type 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Experiment table with energy duct including panel technology and controls. Work surface: AP02-01 Polystone basin left</td>
<td>Experiment table with energy duct including panel technology and controls. Work surface: AP02-01 Polystone basin left</td>
<td>Experiment table with energy duct including panel technology and controls. Work surface: AP02-03 Stoneware basin right</td>
<td>Experiment table with energy duct including panel technology and controls. Work surface: AP02-03 Stoneware basin right</td>
</tr>
<tr>
<td>Side connections</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left base cabinet</td>
<td>Installation cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Installation cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Right base cabinet</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>W/H/D = 1700/900/750 mm</td>
<td>W/H/D = 1700/900/750 mm</td>
<td>W/H/D = 1700/900/750 mm</td>
<td>W/H/D = 1700/900/750 mm</td>
</tr>
<tr>
<td>Model</td>
<td>H7102 EX01-L-P-12-M</td>
<td>H7102 EX01-R-P-12-M</td>
<td>H7102 EX01-L-S-12-K</td>
<td>H7102 EX01-R-S-12-K</td>
</tr>
</tbody>
</table>
Fixtures Ex-Table Type 9–16

Teacher side

- Panel type H1: 1x gas fitting, arrangement left
- Panel type H1: 1x gas fitting, arrangement right
- Panel type 3: 1x NC push switch, 1x N/O gas Teacher, 1x N/O gas Pupil

Pupil side

- Panel type 4: 1x NC push switch, 1x N/O gas Teacher, 1x N/O gas Pupil

---

Experiment table

Width 1800 mm (tabletop)

<table>
<thead>
<tr>
<th>Name</th>
<th>Experiment table type 9</th>
<th>Experiment table type 10</th>
<th>Experiment table type 11</th>
<th>Experiment table type 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-01</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-01</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-03</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-03</td>
</tr>
<tr>
<td>Side connections</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left base cabinet</td>
<td>Installation cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Centre base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
</tr>
<tr>
<td>Right base cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W/H/D = 1890/900/750 mm</td>
<td>W/H/D = 1890/900/750 mm</td>
<td>W/H/D = 1890/900/750 mm</td>
<td>W/H/D = 1890/900/750 mm</td>
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<tr>
<td>Model</td>
<td>H7102 EX02-L-18-M</td>
<td>H7102 EX02-R-18-M</td>
<td>H7102 EX02-L-18-K</td>
<td>H7102 EX02-R-18-M</td>
</tr>
</tbody>
</table>

---

Experiment table with basin

Width 1800 mm (tabletop)

<table>
<thead>
<tr>
<th>Name</th>
<th>Experiment table type 13</th>
<th>Experiment table type 14</th>
<th>Experiment table type 15</th>
<th>Experiment table type 16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-01 Polypropylene basin left</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-01 Polypropylene basin right</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-03 Stoneeware basin left</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-03 Stoneeware basin right</td>
</tr>
<tr>
<td>Side connections</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left base cabinet</td>
<td>Installation cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Centre base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
</tr>
<tr>
<td>Right base cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W/H/D = 2388/900/750 mm</td>
<td>W/H/D = 2388/900/750 mm</td>
<td>W/H/D = 2388/900/750 mm</td>
<td>W/H/D = 2388/900/750 mm</td>
</tr>
<tr>
<td>Model</td>
<td>H7102 EX02-L-18-M</td>
<td>H7102 EX02-R-18-M</td>
<td>H7102 EX02-L-18-K</td>
<td>H7102 EX02-R-18-K</td>
</tr>
</tbody>
</table>

---

Fixtures Ex-Table Type 17–24

Teacher side

- Panel type H1: 1x gas fitting, arrangement left
- Panel type H1: 1x gas fitting, arrangement right
- Panel type 3: 1x NC push switch, 1x N/O gas Teacher, 1x N/O gas Pupil

Pupil side

- Panel type 4: 1x NC push switch, 1x N/O gas Teacher, 1x N/O gas Pupil

---

Experiment table

Width 2400 mm (tabletop)

<table>
<thead>
<tr>
<th>Name</th>
<th>Experiment table type 17</th>
<th>Experiment table type 18</th>
<th>Experiment table type 19</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-01</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-01</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-03</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-03</td>
</tr>
<tr>
<td>Side connections</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left base cabinet</td>
<td>Installation cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Centre base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
</tr>
<tr>
<td>Right base cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W/H/D = 2490/900/750 mm</td>
<td>W/H/D = 2490/900/750 mm</td>
<td>W/H/D = 2490/900/750 mm</td>
<td>W/H/D = 2490/900/750 mm</td>
</tr>
<tr>
<td>Model</td>
<td>H7102 EX03-L-24-M</td>
<td>H7102 EX03-R-24-M</td>
<td>H7102 EX03-L-24-K</td>
<td>H7102 EX03-R-24-M</td>
</tr>
</tbody>
</table>

---

Experiment table with basin

Width 2400 mm (tabletop)

<table>
<thead>
<tr>
<th>Name</th>
<th>Experiment table type 21</th>
<th>Experiment table type 22</th>
<th>Experiment table type 23</th>
<th>Experiment table type 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-01 Polypropylene basin left</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-01 Polypropylene basin right</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-03 Stoneeware basin left</td>
<td>Experiment table with energy and controls including panel technology and work surface AP02-03 Stoneeware basin right</td>
</tr>
<tr>
<td>Side connections</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left base cabinet</td>
<td>Installation cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Centre base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
<td>PSU base cabinet</td>
</tr>
<tr>
<td>Right base cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
<td>Gas cylinder cabinet</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W/H/D = 2688/900/750 mm</td>
<td>W/H/D = 2688/900/750 mm</td>
<td>W/H/D = 2688/900/750 mm</td>
<td>W/H/D = 2688/900/750 mm</td>
</tr>
<tr>
<td>Model</td>
<td>H7102 EX03-L-24-M</td>
<td>H7102 EX03-R-24-M</td>
<td>H7102 EX03-L-24-K</td>
<td>H7102 EX03-R-24-K</td>
</tr>
</tbody>
</table>

---
**Base cabinets for experiment table**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Dimensions</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cabinet 1FT</strong></td>
<td>1 wing door, 1 shelf</td>
<td>H/D = 630/570 mm</td>
<td>HS0570</td>
</tr>
<tr>
<td><strong>Cabinet 3SK</strong></td>
<td>3 drawers (H = 2x 150, 1x 200 mm)</td>
<td>Front colour: white / oak Front design: left / right</td>
<td>HS0570, HS1570, HS2570</td>
</tr>
<tr>
<td><strong>Gas cylinder cabinet</strong></td>
<td>1 wing door</td>
<td>Front colour: white / oak Front design: left / right</td>
<td>HS0570, HS1570, HS2570</td>
</tr>
<tr>
<td><strong>Multimedia cabinet</strong></td>
<td>1 wing door, 1 pull-out shelf</td>
<td>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</td>
<td>HS2575</td>
</tr>
</tbody>
</table>

**Experiment table**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Versions</th>
<th>Dimensions</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Modular configurable experiment table</strong></td>
<td>H/D = 900/750 mm</td>
<td>Width: 1200 / 1800 / 2400 mm Work surface: AP02-01 - 04 Floor connection: left / right</td>
<td>HS7722, HS1572, HS2572</td>
<td></td>
</tr>
</tbody>
</table>

**Optional accessories**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Versions</th>
<th>Dimensions</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chest of drawers</strong></td>
<td>Movable chest of drawers fixed to sliding rail, coated chipboard</td>
<td>Colour: white / oak Front design: left / right</td>
<td>W/H/D = 900/1022/880 mm</td>
<td>HS7722</td>
</tr>
<tr>
<td><strong>Splash protection</strong></td>
<td>Movable splash protection fixed to sliding rail, coated chipboard, retractable safety glass Front colour: white / oak</td>
<td></td>
<td>W/H/D = 904/782-1248/101 mm</td>
<td>HS7723</td>
</tr>
</tbody>
</table>

**Installation cabinet**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Versions</th>
<th>Dimensions</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Installation cabinet</strong></td>
<td>1 wing door front, 1 wing door rear</td>
<td>2 wing doors front, 2 wing doors rear</td>
<td>Front colour: white / oak</td>
<td>HS2580, HS2581, HS2582</td>
</tr>
</tbody>
</table>

**Front sink cabinet SZ**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Dimensions</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Front sink cabinet SZ</strong></td>
<td>Stoneware basin</td>
<td>W/H/D = 900/620/570 mm</td>
<td>HS3580, HS3581, HS3582</td>
</tr>
</tbody>
</table>

**Front sink cabinet PP**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Dimensions</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Front sink cabinet PP</strong></td>
<td>Polystone basin</td>
<td>W/H/D = 530/710/501 mm</td>
<td>HS0501, HS0502</td>
</tr>
</tbody>
</table>

**PSU cabinet**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Dimensions</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PSU cabinet</strong></td>
<td>2 drawers (H = 1x 350, 1x 150 mm)</td>
<td>Connection: 230 V, 50 Hz, Back-up fuse 1 pole C16 A, Dual push button ON/OFF Discharge connector for EARTH Electrical circuit 3: AC voltage 0-250 V, 20 A + DC voltage 0-20 V, 20 A Type of electrical cable: Standard / Halogen-free</td>
<td>HS2574, 7810</td>
</tr>
</tbody>
</table>

**PSU device for HS2574**

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Dimensions</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PSU device for HS2574</strong></td>
<td>Connection: 230 V, 50 Hz, Back-up fuse 1 pole C16 A, Dual push button ON/OFF Discharge connector for EARTH Electrical circuit 2: AC voltage 0-24-6-8-10-12 V, 10 A fixed, removable / AC voltage 240 V, 10 A + 1x12 V, 10 A fixed, separable removable Voltage stability +/- 1 Volt Residual ripple 5 % / 48 %</td>
<td>W/H/D = 600/620/570 mm</td>
<td>HS2573, 7811</td>
</tr>
</tbody>
</table>
### Panel fixtures teacher side / pupil side

<table>
<thead>
<tr>
<th>Main switch</th>
<th>Type 1</th>
<th>Type 2</th>
<th>Type 3</th>
<th>Type 4</th>
<th>Type 5</th>
<th>Type 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel position</td>
<td>Middle</td>
<td>Middle</td>
<td>Middle</td>
<td>Middle</td>
<td>Middle</td>
<td>Middle</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EDP + Main switch</th>
<th>Type 10</th>
<th>Type 11</th>
<th>Type 12</th>
<th>Type 82</th>
<th>Type 80</th>
<th>Type 81</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel position</td>
<td>Middle</td>
<td>Middle</td>
<td>Middle</td>
<td>Left / Right</td>
<td>Left / Right</td>
<td>Left / Right</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Socket outlets</th>
<th>Type 40</th>
<th>Type 41</th>
<th>Type 42</th>
<th>Type 43</th>
<th>Type 44</th>
<th>Type 45</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel position</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Socket outlets + selector poles</th>
<th>Type 50</th>
<th>Type 51</th>
<th>Type 52</th>
<th>Type 53</th>
<th>Type 90</th>
<th>Type 91</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel position</td>
<td>Above PSU cabinet</td>
<td>Above PSU cabinet</td>
<td>Above PSU cabinet</td>
<td>Above PSU cabinet</td>
<td>Left</td>
<td>Right</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Socket outlets + Selectors / Multimedia</th>
<th>Type 54</th>
<th>Type 55</th>
<th>Type 56</th>
<th>Type 57</th>
<th>Type 70</th>
<th>Type 71</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel position</td>
<td>Above PSU cabinet</td>
<td>Above PSU cabinet</td>
<td>Above PSU cabinet</td>
<td>Above PSU cabinet</td>
<td>Above PSU cabinet</td>
<td>Above PSU cabinet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Double data sockets / Blind plates</th>
<th>Type 72</th>
<th>Type 73</th>
<th>Type 74</th>
<th>Type 75</th>
<th>Type 76</th>
<th>Type 77</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel position</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

---

### Individual panel fixtures

#### Max. 8 media fields per panel

#### Fixtures from left to right

#### Function
- EDP teacher / EDP pupils
- Main switch
- Lift Up / Down per group
- Locking Fly One®
- Electrics teacher / Electrics pupil

#### Number of media fields
- Order
- Gas Teacher
- Gas pupils safeguarded
- Gas teacher + pupils safeguarded
- Main switch with profile half-cylinder
- Lighting per group
- Blind per group
- Blackout system per group

#### Function
- Combination socket 2x2
- Combination socket 1x4
- 2x selector pole
- 1x earth
- 4x selector pole
- 1x earth
- Emergency stop
- Double data socket 64mm / Blind plate 64mm

#### Function
- HDMI
- USB
- Projector set (3x cinch, 1x VGA, 1x HDMI)
- Double data socket 64mm / Blind plate 64mm

#### Number of media fields
- Order
- HDMI
- USB
- Projector set (3x cinch, 1x VGA, 1x HDMI)
- Double data socket 64mm / Blind plate 64mm

#### Fittings
- 80018
- 80019
- 81005471

---

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

---

**Medial field fixtures**

<table>
<thead>
<tr>
<th>Type 1</th>
<th>Type 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>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)</td>
<td></td>
</tr>
<tr>
<td>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 (87564)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type 3</th>
<th>Type 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>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</td>
<td></td>
</tr>
<tr>
<td>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</td>
<td></td>
</tr>
</tbody>
</table>

---

**Individual configuration**

**Pos 1 – 24**

<table>
<thead>
<tr>
<th>Function</th>
<th>EDP teacher / EDP pupils</th>
<th>Gas Teacher / Gas pupils safeguarded</th>
<th>Lighting per group</th>
<th>Blinds per group</th>
<th>Gas Teacher / Gas pupils safeguarded</th>
<th>EDP teacher / EDP pupils</th>
<th>Main switch</th>
<th>Main switch with profile half-cylinder</th>
<th>Lift Up / Down per group</th>
<th>Electrics Teacher / Electrics pupil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of media fields</td>
<td>3</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>7</td>
<td>2</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Order</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

**Pos 25 + 26**

<table>
<thead>
<tr>
<th>Function</th>
<th>Multimeda</th>
<th>Combination socket 2x2 / Combination socket 1x4</th>
<th>2x selector pole + 1x earth</th>
<th>4x selector pole</th>
<th>1x earth</th>
<th>Emergency stop</th>
<th>Socket outlet / Socket outlet EDP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of media fields</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>16</td>
<td>4</td>
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<tr>
<td>Order</td>
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<td>13</td>
<td>14</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
</tr>
</tbody>
</table>

**Fittings**

<table>
<thead>
<tr>
<th>Order</th>
<th>Pos 25</th>
<th>Pos 26</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>A 80018</td>
<td>A 80018</td>
</tr>
<tr>
<td>19</td>
<td>B 80021</td>
<td>B 80021</td>
</tr>
<tr>
<td>20</td>
<td>B 80024</td>
<td>B 80024</td>
</tr>
<tr>
<td>30</td>
<td>B 80029</td>
<td>B 80029</td>
</tr>
<tr>
<td>4</td>
<td>C 87561</td>
<td>C 87561</td>
</tr>
<tr>
<td>x</td>
<td>C 87564</td>
<td>C 87564</td>
</tr>
</tbody>
</table>

---

**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.

---

(Required information for positioning and ordering is provided in the text.)
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

**Dimensions**
W/H/D = 300/935/600 mm

**Versions**
- Model H7320

**Media field fixtures**

<table>
<thead>
<tr>
<th>Type 1</th>
<th>Type 2</th>
<th>Type 3</th>
<th>Type 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>C Floor stand gas with 2 taps (87562)</td>
<td>C Floor stand gas with 2 taps (87562)</td>
<td>C without</td>
<td>C without</td>
</tr>
<tr>
<td>D Emergency Stop</td>
<td>D Emergency Stop</td>
<td>D without</td>
<td>D without</td>
</tr>
</tbody>
</table>

**Fittings**

- A 80018
- B 80019
- D 80024
- B 80026
- A 80029
- C 87561
- E 87562
- F 87564

---

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

**Dimensions**
W/H/D = 600/1080/600 mm

**Versions**
- Model H7317

**Media field fixtures**

<table>
<thead>
<tr>
<th>Type 1</th>
<th>Type 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Emergency Stop</td>
<td>6 Emergency Stop</td>
</tr>
</tbody>
</table>

**Fittings**

- A 80029
- A 80030
### Media frame

- **Description**: Ground supply module made of powder-coated steel plate.
- **Version**: Module left / right (from pupil perspective).
- **Dimensions**: W/H/D = 230/635/600 mm.
- **Model**: WB888.

**Media field fixtures**

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

### Media field fixtures

**Type 1**

1. Emergency Stop
2. Socket outlet
3. Socket outlet
4. Socket outlet
5. Socket outlet
6. 2x selector pole + 1x earth
7. Double data socket 64 mm

**Type 2**

1. Blind plate
2. 2x selector pole + 1x earth
3. Double data socket 64 mm
4. Blind plate
5. Socket outlet
6. Blind plate
7. Double data socket 64 mm

**Type 3**

1. Blind plate
2. 2x selector pole + 1x earth
3. Double data socket 64 mm
4. Blind plate
5. Socket outlet
6. Blind plate
7. Double data socket 64 mm

**Type 4**

1. Blind plate
2. 2x selector pole + 1x earth
3. Double data socket 64 mm
4. Blind plate
5. Socket outlet
6. Blind plate
7. Double data socket 64 mm

### Power Module 300

- **Description**: Ground supply module, two-sided fitting frame for electric- and gaseous media, carcass made from melamine-coated chipboard.
- **Design profile**: light grey.
- **System height**: 800 mm.
- **Versions**: Inspection opening removable panel.
- **Dimensions**: W/H/D = 300/1000/605 mm.
- **Model**: H7322.

**Power Module 300**

<table>
<thead>
<tr>
<th>Type 1</th>
<th>Type 2</th>
<th>Type 3</th>
<th>Type 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
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<td>14</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Individual**

1. Emergency Stop / Blind plate
2. Socket outlet / Blind plate
3. Socket outlet / Blind plate
4. Socket outlet / Blind outlet EDP / Blind plate
5. Socket outlet / 2x selector pole + 1x earth / Blind plate
6. Double data socket 64 mm / Blind plate
7. Gas fitting with 1 angle valve / Blind plate
8. Gas fitting with 1 angle valve / Blind plate
9. Water supply / Compressed air fitting / Blind plate
10. Water supply / Compressed air fitting / Blind plate

**Fittings**

- A (87561)
- B (87562)
- C (87564)
### Practice tables

<table>
<thead>
<tr>
<th>Name</th>
<th>Practice table 1200</th>
<th>Practice table 1800</th>
<th>Practice table 2400</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Practice table with energy duct for electricity and gasous media, carcass made from melamine-coated chipboard, W = 150 mm Colour of energy duct, design profile: light grey 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 Steel basket shelf</td>
<td>Practice table with energy duct for electricity and gasous media, carcass made from melamine-coated chipboard, W = 150 mm Colour of energy duct, design profile: light grey 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 Steel basket shelf</td>
<td>Practice table with energy duct for electricity and gasous media, carcass made from melamine-coated chipboard, W = 150 mm Colour of energy duct, design profile: light grey 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 Steel basket shelf</td>
</tr>
<tr>
<td><strong>Versions</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Options</strong></td>
<td>Steel basket shelf</td>
<td>Steel basket shelf</td>
<td>Steel basket shelf</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>W/H/D = 1200/800/600 mm</td>
<td>W/H/D = 1800/800/600 mm</td>
<td>W/H/D = 2400/800/600 mm</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>H7402</td>
<td>H7403</td>
<td>H7404</td>
</tr>
</tbody>
</table>

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**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - 1x earth
  - 1 Blind plate

- **Type 2**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

- **Type 3**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

- **Type 4**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

#### Practice table 1800
- **Type 1**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

- **Type 2**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

- **Type 3**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

- **Type 4**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

#### Practice table 2400
- **Type 1**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

- **Type 2**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

- **Type 3**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

- **Type 4**
  - Emergency Stop
  - 2x selector pole + 1x earth
  - Gas fitting
  - Socket outlet
  - 2x selector pole + 1x earth
  - Gas fitting
  - Double data socket 64 mm
  - A + B Gas fitting
  - Double data socket 64 mm
  - A + B without
  - Double data socket 64 mm
  - A + B without

#### Individual
- **Type 1**
  - Socket outlet / Emergency Stop / Blind plate 2
  - Socket outlet / 2x selector pole + 1x earth / 1x earth / Blind plate
  - Socket outlet / 2x selector pole + 1x earth / Blind plate
  - Double data socket 64 mm / Blind plate 64 mm
  - A Gas fitting / without
  - B Gas fitting / without

- **Type 2**
  - Socket outlet / 4x selector pole / Blind plate 4
  - Double data socket 64 mm / Blind plate 64 mm
  - 4x selector pole / 4x selector pole / Blind plate 4
  - Double data socket 64 mm / Blind plate 64 mm
  - A Gas fitting / without
  - B Gas fitting / without

- **Type 3**
  - Socket outlet / 4x selector pole / Blind plate 4
  - Double data socket 64 mm / Blind plate 64 mm
  - 4x selector pole / 4x selector pole / Blind plate 4
  - Double data socket 64 mm / Blind plate 64 mm
  - A Gas fitting / without
  - B Gas fitting / without

- **Type 4**
  - Socket outlet / 4x selector pole / Blind plate 4
  - Double data socket 64 mm / Blind plate 64 mm
  - 4x selector pole / 4x selector pole / Blind plate 4
  - Double data socket 64 mm / Blind plate 64 mm
  - 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 chipboard, colour of energy duct, design profile: light grey

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

Sanitary media cannot be integrated in the energy duct.

Fittings

A 80018
B 80019
B 87562
B 87564
Window workspaces \( H = 750 \text{ mm} \)

### Work surfaces

<table>
<thead>
<tr>
<th>Name</th>
<th>Work surface HPL</th>
<th>Table upstand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AP02-01</strong></td>
<td>30mm work surface</td>
<td>0.8 mm table upstand</td>
</tr>
<tr>
<td><strong>HPL coated off-white</strong></td>
<td>3 mm PP edge</td>
<td></td>
</tr>
<tr>
<td><strong>Width: 600 / 900 / 1050 / 1200 / 1350 / 1500 / 1650 / 1800 / 1950 / 2100 / 2250 / 2400 mm</strong></td>
<td><strong>Width: 2000 mm</strong></td>
<td><strong>Height: 88 mm (30 mm OK tabletop)</strong></td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>907432</td>
<td>82500001</td>
</tr>
</tbody>
</table>

### Base cabinets

<table>
<thead>
<tr>
<th>Name</th>
<th>Cabinet U1</th>
<th>Mobile cabinet U1</th>
<th>Suspended cabinet U1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Base cabinets with plinth</td>
<td>Mobile base cabinets, in combination with frame</td>
<td>Suspended base cabinets, in combination with frame</td>
</tr>
<tr>
<td><strong>Width: 450 / 600 / 900 / 1200 mm</strong></td>
<td><strong>Width: 450 / 545 / 600 / 845 / 900 / 1145 / 1200 mm</strong></td>
<td><strong>Width: 450 / 545 / 600 / 845 / 900 / 1145 / 1200 mm</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Height: 720 mm</strong></td>
<td><strong>Height: 640 mm</strong></td>
<td><strong>Height: 380 mm</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Depth: 350 / 550 mm</strong></td>
<td><strong>Depth: 550 mm</strong></td>
<td><strong>Depth: 550 mm</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>See Storage</td>
<td>See Storage</td>
<td>See Storage</td>
</tr>
</tbody>
</table>

### Frames

<table>
<thead>
<tr>
<th>Name</th>
<th>C-shape table frame 750</th>
<th>H-shape table frame 750</th>
<th>C leg bracket 750</th>
<th>H leg bracket 750</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>C-shape rectangular table frame</td>
<td>H-shape rectangular table frame</td>
<td>C leg bracket</td>
<td>H leg bracket</td>
</tr>
<tr>
<td><strong>Width: 600 / 900 / 1200 / 1500 / 1800 mm</strong></td>
<td><strong>Width: 600 / 900 / 1200 / 1500 / 1800 mm</strong></td>
<td><strong>Height: 720 mm</strong></td>
<td><strong>Height: 720 mm</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Depth: 572 / 672 mm</strong></td>
<td><strong>Depth: 572 / 672 mm</strong></td>
<td><strong>Depth: 572 / 672 mm</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>See Workstation systems</td>
<td>See Workstation systems</td>
<td>See Workstation systems</td>
<td>See Workstation systems</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Work surface HPL</th>
<th>Work surface HPL Pur</th>
<th>Work surface solid core</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>API02-01 30 mm work surface 0.8 mm HPL coated off-white, 3 mm PP edge off-white</td>
<td>API02-02 30 mm work surface 0.8 mm HPL coated off-white, 8 mm PUR edge light grey</td>
<td>API02-05 19 mm work surface Solid core white, Bevelled edge black</td>
</tr>
<tr>
<td>Depth</td>
<td>572 / 672 / 750 / 825 / 672 / 750 / 825 mm</td>
<td>Depth 600 / 675 / 750 / 825 mm</td>
<td>Depth 600 / 675 / 750 / 825 mm</td>
</tr>
</tbody>
</table>

### Frames

<table>
<thead>
<tr>
<th>Name</th>
<th>C-shape table frame 900</th>
<th>H-shaped table frame 900</th>
<th>C leg bracket 900</th>
<th>H leg bracket 900</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>C-shape rectangular table frame</td>
<td>H-shape rectangular table frame</td>
<td>C leg bracket</td>
<td>H leg bracket</td>
</tr>
<tr>
<td>Width</td>
<td>600 / 900 / 1200 / 1500 / 1800 mm</td>
<td>Width 600 / 900 / 1200 / 1500 / 1800 mm</td>
<td>Height 870 mm</td>
<td>Height 870 mm</td>
</tr>
<tr>
<td>Height</td>
<td>870 mm</td>
<td>870 mm</td>
<td>Depth 572 / 672 mm</td>
<td>Depth 572 / 672 mm</td>
</tr>
</tbody>
</table>

### Base cabinets

<table>
<thead>
<tr>
<th>Name</th>
<th>Installation cabinet U2</th>
<th>Cabinet U2</th>
<th>Mobile cabinet U2</th>
<th>Suspended cabinet U2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Base cabinet for distribution board</td>
<td>Base cabinets with plinth</td>
<td>Suspended base cabinets, in combination with frame</td>
<td>Suspended base cabinets, in combination with frame</td>
</tr>
<tr>
<td>Version</td>
<td>WH/M = 600/970/550 mm</td>
<td>Width 450 / 600 / 900 / 1200 mm</td>
<td>Height 870 mm</td>
<td>Depth 350 / 550 mm</td>
</tr>
</tbody>
</table>

### 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

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)

Options

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

Position
1 / 2 / 3
2 (no other fittings at position 1 + 3)
2 / Special item

Model
80021
80124
80037
80039

Work Surfaces and Basins

Name
HPL
Ceradur
Tile
Polypropylene

Description
APD-01
30 mm HPL, off-white, 3 mm PP edge
APD-04
30 mm Ceradur white, 7 mm PUR beaded edge front + rear
APD-02
30 mm tile white, 7 mm PUR beaded edge front + rear
APD-06
30 mm polypropylene light grey, 7 mm PUR beaded edge all round

Options

Position
1 / 2 / 3

Basin
Console basin PP, grey
Integrated stoneware basin, white
Integrated stoneware basin, white
Welded-in basin PP, grey

W/H/D = 400/250/400 mm
W/H/D = 445/250/445 mm
W/H/D = 595/250/445 mm

Draining board left / right
Draining board left / right
Draining board left / right

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
HS2596
HS3596
HS4596

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 drawer
1 wing door
1 full-height drawer waste
1 wing door waste
1 full-height drawer
1 lifting door
Recess for built-in appliance

Model
HS2502
HS2553
HS2562
HS2563
HS2564
HS2517
HS2514
X

Sink module

→ Splash protection panel (P 128), Draining rack (P 227)
Dishwashers

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

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 intake. The water used should have at least drinking water standards for the protection of drinking 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 20 kPa overpressure. The recommended flow pressure at the cold- and hot water connection is a 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 ¾ 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Miele Laboratory Dishwasher</th>
<th>Miele Accessories</th>
<th>Purifier</th>
<th>Demineralisation cartridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Laboratory dishwasher Miele PG 8583, built-in appliance, TouchControl control system, 14 programs, incl. top- and bottom basket, incl. plinth panel, anthracite</td>
<td>Accessories for laboratory dishwasher Miele PG 8583</td>
<td>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</td>
<td>Water demineralisation cartridge made from stainless steel, pressure-resistant up to 10 bar, capacity 2800 litres at 10 degrees</td>
</tr>
<tr>
<td>Preconditions</td>
<td>Connected load: 400 V, 16 A</td>
<td>Flow pressure see Info box according to overview table</td>
<td>Connected load: 230 V, 16 A</td>
<td>D/H = 240/600 mm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W/H/D = 600/835/600 mm</td>
<td></td>
<td>Front white / stainless steel</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>9765</td>
<td>9766</td>
<td>9767</td>
<td>9768</td>
</tr>
</tbody>
</table>

Miele Accessories

- Universal insert with small hooks E 106
- Half insert for beakers E 109
- Half insert for beakers E 110
- Half insert for beakers E 111
- Half insert for beakers E 144
- Cover net for quarter insert A 3
- Cover net for half insert A 2
- Cover net for half insert A 14 for AK 12 basket
- Half insert in basket design AK 12/E
- Underlay frame for full insert A 11/E
- Underlay frame for half insert A 2
- Cover net for quarter insert A 3
- Half insert for beakers E 109
- 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
- Standard school equipment
Media supply systems

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
- 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
- Console / mobile extension table / table frame / base cabinet / built-in appliance

Options
- Wall-mounted cabinet from H = 2252 mm
- Underfit lamps

Wall-standing & double-sided

- 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)

Options
- Wall-mounted cabinet from H = 2252 mm
- Underfit lamps

Model
- W8888

Wall-standing & 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

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
- System height: 900 mm
- Width: 1500 / 1800 mm
- Height: 1790 / 2252 / 2552 mm
- Depth of front section: 705 / 855 mm
- Work surface: AP02-02 / 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
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 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

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
H7345

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 Modulab

Description
Double-sided 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
H7345

Workspace + workspace
Depth identical

Workspace + console

Console + console

Workspace + front panel

750 mm
675 mm

Base cabinet
Sink module
Table frame
Console + mobile extension table
Front panel + mobile extension table

• Workspace + workspace
• Depth identical
• Workspace + console
• Console + console
• Workspace + front panel

• 750 mm
• 675 mm
• Front panel + front panel
• Console + front panel
• Console + front panel with wall-mounted 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

Media supply systems

5
Media ducts

Wall ducts made from aluminium

<table>
<thead>
<tr>
<th>Name</th>
<th>Energy duct 160</th>
<th>Energy duct 110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Powder-coated aluminium installation duct, consisting of U-shaped base duct and screw-on cover</td>
<td>Powder-coated aluminium installation duct, consisting of U-shaped base duct and screw-on cover</td>
</tr>
<tr>
<td>Versions</td>
<td>Width: 600 / 900 / 1200 / 1500 / 1800 / 2100 / 2400 mm / Flex (100 – 2400 mm)</td>
<td>Width: 300 / 600 / 900 / 1200 / 1500 / 1800 / 2100 / 2400 mm / Flex (100 – 2400 mm)</td>
</tr>
<tr>
<td>Options</td>
<td>Separator</td>
<td>Separator</td>
</tr>
<tr>
<td>Dimensions</td>
<td>H/D = 169/115 mm</td>
<td>H/D = 110/85 mm</td>
</tr>
<tr>
<td>Model</td>
<td>8585</td>
<td>8593</td>
</tr>
</tbody>
</table>

Plastic cable ducts

<table>
<thead>
<tr>
<th>Cable duct</th>
<th>Description</th>
<th>Colour: white</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Plastic cable duct for surface installation</td>
<td></td>
</tr>
<tr>
<td>Versions</td>
<td>H/D</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>L = 2000 mm</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>8590</td>
<td></td>
</tr>
</tbody>
</table>

Wall ducts made of steel plate

<table>
<thead>
<tr>
<th>Media duct</th>
<th>Description</th>
<th>Colour: light grey RAL 7035</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Powder-coated steel plate installation duct, consisting of base duct and clip-on panels</td>
<td></td>
</tr>
<tr>
<td>Versions</td>
<td>Width: 600 / 900 / 1200 / 1500 / 1800 / 2100 / 2400 mm / Flex (100 – 2400 mm)</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>H/D = 252/184 mm</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>W8888</td>
<td></td>
</tr>
</tbody>
</table>
### Media fields

#### Socket outlets

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Socket outlet / Socket outlet EDP</td>
<td>7571</td>
</tr>
<tr>
<td>230 V, 16 A</td>
<td></td>
</tr>
<tr>
<td>Surface-mounted socket outlet</td>
<td>7573</td>
</tr>
<tr>
<td>230 V, 16 A</td>
<td></td>
</tr>
<tr>
<td>CEE socket outlet</td>
<td>7588</td>
</tr>
<tr>
<td>400 V, 16 A / 32 A</td>
<td></td>
</tr>
</tbody>
</table>

#### Multimedia

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double data socket</td>
<td>7642</td>
</tr>
<tr>
<td>Single data socket</td>
<td>7641</td>
</tr>
<tr>
<td>Blind plate</td>
<td>7691</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI</td>
<td>7653</td>
</tr>
<tr>
<td>Projector set</td>
<td>7647</td>
</tr>
<tr>
<td>VGA</td>
<td>7651</td>
</tr>
<tr>
<td>USB</td>
<td>7652</td>
</tr>
</tbody>
</table>

#### Emergency Stop

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency stop</td>
<td>7630</td>
</tr>
</tbody>
</table>

#### Selector pole

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x Earth</td>
<td>7600</td>
</tr>
<tr>
<td>2 x Selector pole + 1 x Earth</td>
<td>7603</td>
</tr>
<tr>
<td>4 x Selector pole</td>
<td>7604</td>
</tr>
<tr>
<td>Combination socket 2 x 2 / 1 x 4</td>
<td>7605</td>
</tr>
</tbody>
</table>

### Check and Control Fields

#### Check and Control Fields

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory scan control unit</td>
<td>7610</td>
</tr>
<tr>
<td>Electronic Potentiometer</td>
<td>7613</td>
</tr>
<tr>
<td>Sensor Dimmer</td>
<td>7617</td>
</tr>
<tr>
<td>Indicator light</td>
<td>7619</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off-switch 1-pole</td>
<td>7620</td>
</tr>
<tr>
<td>Reset button</td>
<td>7623</td>
</tr>
<tr>
<td>Twin pushbutton</td>
<td>7626</td>
</tr>
<tr>
<td>Threefold pushbutton</td>
<td>7627</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main switch</td>
<td>7629</td>
</tr>
<tr>
<td>Key-operated switch EDP</td>
<td>7643</td>
</tr>
<tr>
<td>Toggle switch 1-pole</td>
<td>7622</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twin pushbutton Gas</td>
<td>7624</td>
</tr>
<tr>
<td>Button for room light</td>
<td>7625</td>
</tr>
<tr>
<td>Push switch Up/Down</td>
<td>7616</td>
</tr>
<tr>
<td>Locking</td>
<td>7631</td>
</tr>
</tbody>
</table>

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*Media supply systems*
Gas burner & gas accessories

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 racks made from steel wire

Draining racks made from polypropylene

Disposal container
Product range

School equipment
Scientific equipment
Equipment for further education and training

Services
Consultation & Planning
Production & Installation
Service & Maintenance