

cat. no. 550.30

Fume hoods

## DGLE FUME HOODS



The fume hood is equipped with electrical window control. It is protected by visual and acoustic indication of window position. The fume hood is operated by means of a main switch and a chemically resistant colour touch display. The fume hood is equipped with visual and acoustic indication of safe exhaust, and it also has an alarm warning against a drop in the capacity of safe exhaust. The fume hood is equipped with a motion sensor which monitors the area in front of the fume hood. The fume hood is fitted with fluorescent lamp fixtures.

A laboratory fume hood connected to an HVAC exhaust prevents the leakage of hazardous substances from the fume hood workspace into the room. Fumes are effectively removed from the workspace by means of a HVAC exhaust connected to an outside exhaust fan or to the central HVAC exhaust pipeline. The fume hood does not feature a fan. The fume hood is equipped with a motion sensor that inspects the area in front of fume hood. As standard it comes without the bottom section (base), and may be placed on a stand-alone table. The fume hood may be placed on a compatible bottom cabinet, which may simultaneously be used as exhausted cabinet for storing chemicals. The fume hood is designed for easy assembly and disassembly. DGLE fume hood is compliant with the European Standard ČSN EN 14 175 - FUME HOODS.

## S2 – DIMENSIONAL RANGE

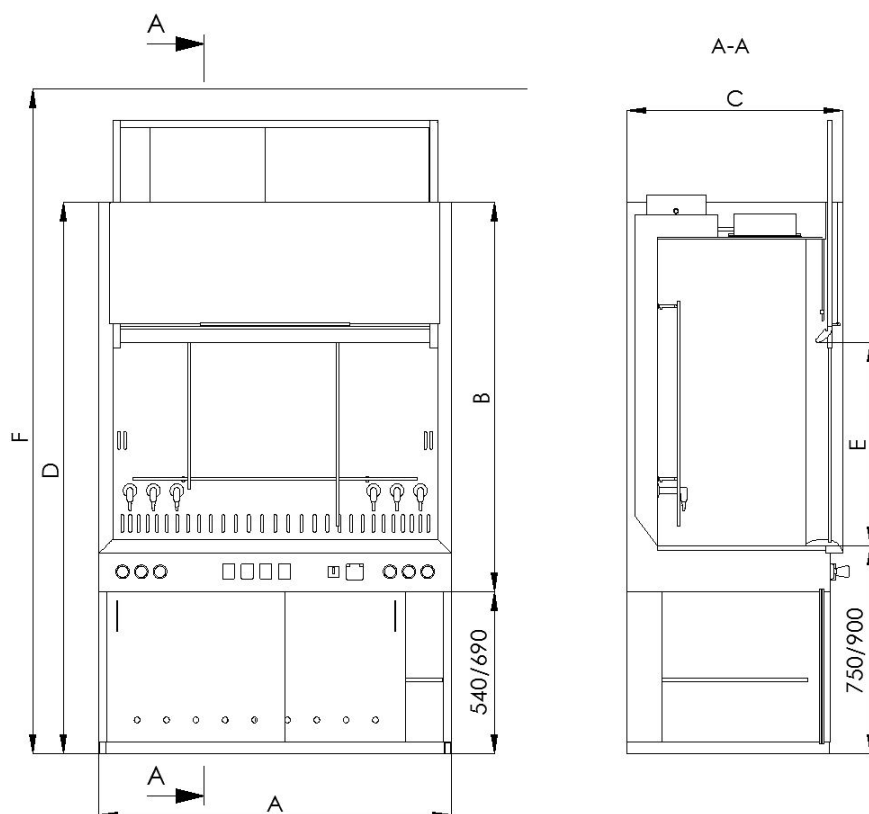
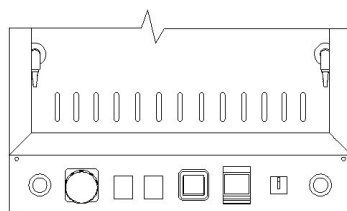


Table of dimension (width x height x depth mm):

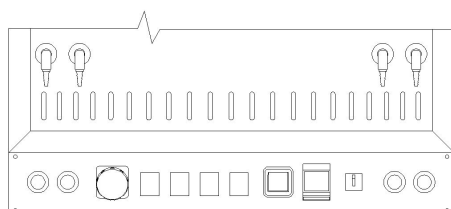
| Code designation | Fume hood dimensions<br>A x B x C | Maximum uplift of the sliding window<br>E | Fume hood dimensions including the bottom cabinet - standing operator<br>A x D x C | Fume hood dimensions including the bottom cabinet - seated operator<br>A x D x C | Workplace size    | Size of the service opening with the window opened to the max. | Min. height for fume hood installation including the bottom structure<br>F |
|------------------|-----------------------------------|-------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------|----------------------------------------------------------------------------|
| 900              | 900 x 1660 x 920                  | 850                                       | 900 x 2350 x 920                                                                   | 900 x 2200 x 920                                                                 | 830 x 1300 x 715  | 830 x 850                                                      | 2750                                                                       |
| 1200             | 1200 x 1660 x 920                 | 850                                       | 1200 x 2350 x 920                                                                  | 1200 x 2200 x 920                                                                | 1130 x 1300 x 715 | 1130 x 850                                                     | 2750                                                                       |
| 1500             | 1500 x 1660 x 920                 | 850                                       | 1500 x 2350 x 920                                                                  | 1500 x 2200 x 920                                                                | 1430 x 1300 x 715 | 1430 x 850                                                     | 2750                                                                       |
| 1800             | 1800 x 1660 x 920                 | 850                                       | 1800 x 2350 x 920                                                                  | 1800 x 2200 x 920                                                                | 1730 x 1300 x 715 | 1730 x 850                                                     | 2750                                                                       |
| 2100             | 2100 x 1660 x 920                 | 850                                       | 2100 x 2350 x 920                                                                  | 2100 x 2200 x 920                                                                | 2030 x 1300 x 715 | 2030 x 850                                                     | 2750                                                                       |

Maximum quantity of media and electricakl sockets:

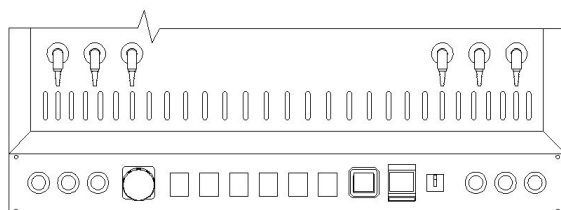
900



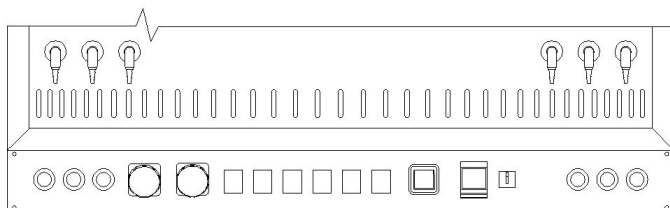
1200



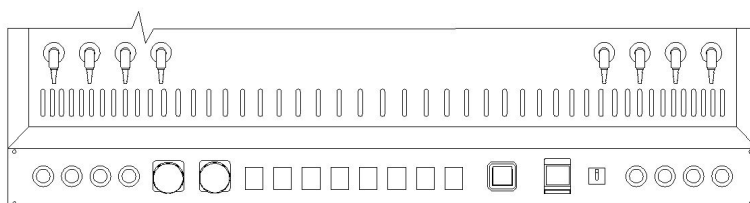
1500



1800



2100

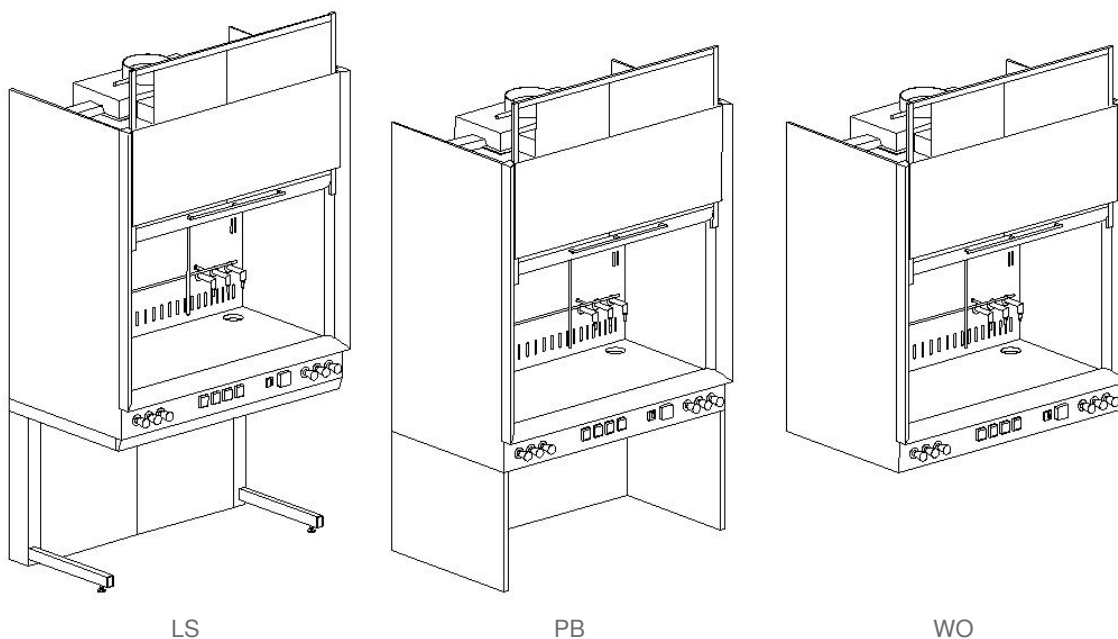


| Code designation | Recommended (max.) number of supplied media (S8) | Recommended (max.) number of electrical sockets 230V (S11) | Recommended (max.) number of electrical sockets 3f/400V (S11) |
|------------------|--------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------|
| 900              | 2                                                | 2                                                          | 1                                                             |
| 1200             | 4                                                | 4                                                          | 1                                                             |
| 1500             | 6                                                | 6                                                          | 1                                                             |
| 1800             | 6                                                | 6                                                          | 2                                                             |
| 2100             | 8                                                | 8                                                          | 2                                                             |

This table specifies the maximum number of media and sockets

## S4 – SELECTING BASE (FRAME)

When selecting the worktop height "900 mm" (category S3) and the base "PB" (category S4). The bottom cabinet may be defined from S5 category.



Choice of colors LS and PB variants:

- behind selected code LS/PB in brackets give the desired color. Standard color RAL7035 and RAL9016
- in if a different color scheme will be discussed at meeting with salesman

Choice of colors:

7035 - RAL7035 (grey)

9016 - RAL9016 (white)

OT - other colors (agreement with a salesman)

Example S4 category:

- 1) LS(7035) - steel frame with povrchem z epoxidové vypalovací barvy paint in color RAL7035
- 2) LS(OT) - steel frame with povrchem z epoxidové vypalovací barvy, colors will be specified at the meeting with a salesman

## S5 – SELECTING CABINET UNDER THE FUME HOOD

If it is selected in categories S3-900 and S4-PB, code S5 may be used to define the ein the space undre the fume hood. There is a possibility to select the mode of door opening (sliding or hinged). Furthermore, there is a possibility to instal drawers. The bottom space may be exhausted.

The WOA version is not fitted with any shelves, doors, drawers, etc. A given version may be used when the customer requires a safety cabinet for chemicals.

The WON version is selected, if version "WO" was selected in category S4.

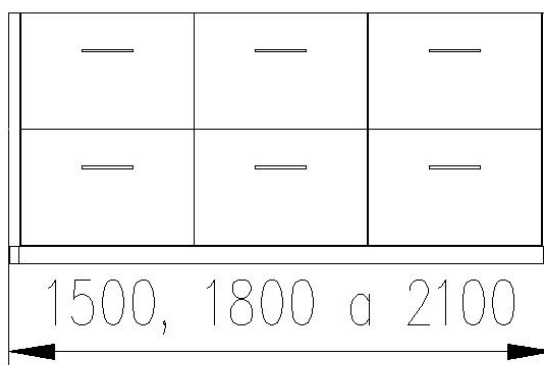
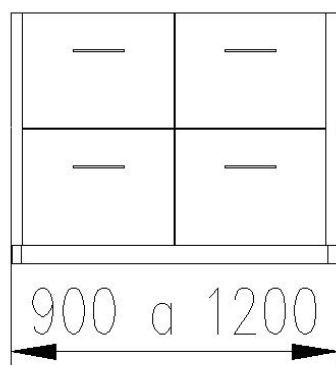
The depth of all cabinets is 500 mm.

In these types offered cabinets and drawers (HPLA, HPLN, PPA, PPN, POA, PON) is located sump tray made of polypropylene for capturing spilled chemicals.

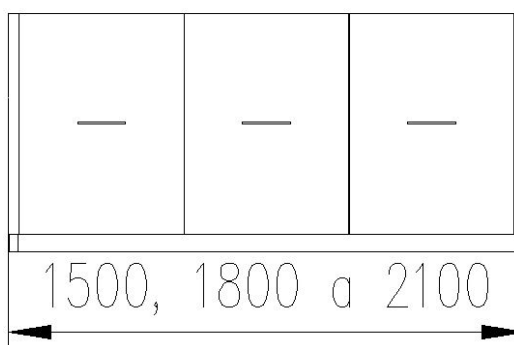
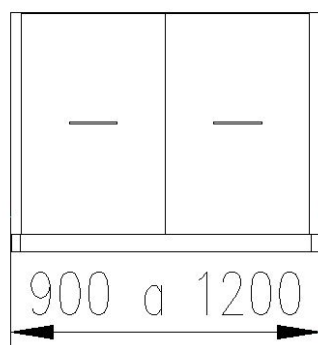
For cabinet Asecos, Kötterman sump tray surcharge.

Sketches of individual versions.

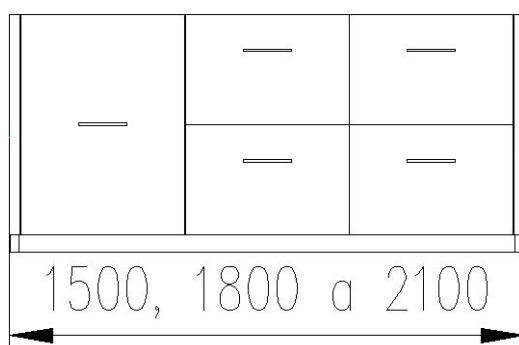
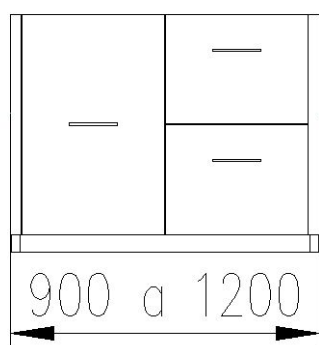
1) Low drawers (for types: PNZA, PNZN, LNZA and LNZN)



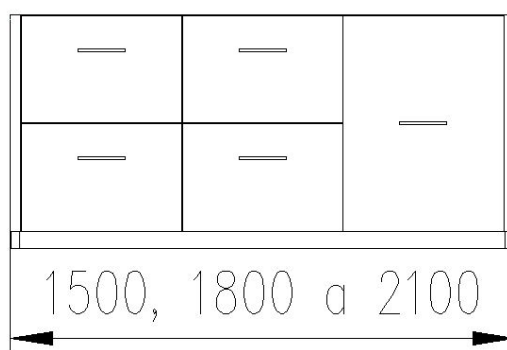
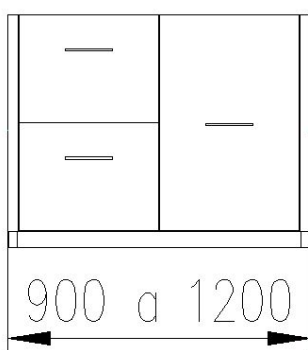
2) Tall drawers (for types: LVZA, LVZN, PVZA and PVZN)



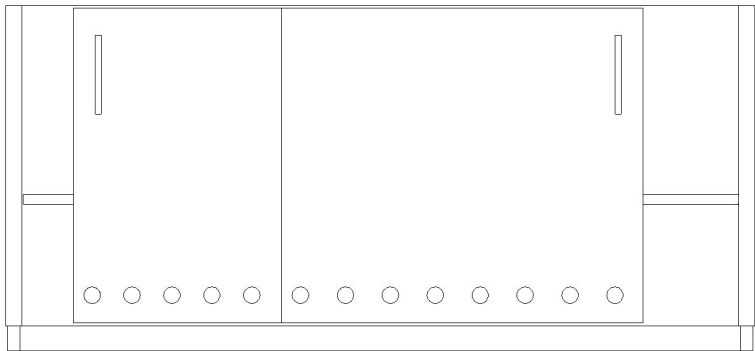
3) Combined drawers, in the left side is one tall drawer and in the right side are two rows low drawers (for types: LKZLA, LKZLN, PKZLA and PKZLN)



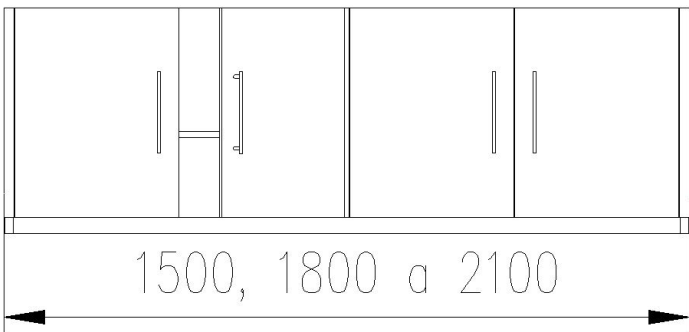
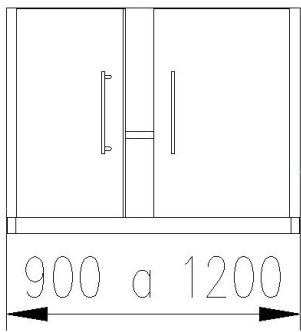
4) Combined drawers, in the left side are two rows low drawers and in the right side is one tall drawer (for types: LKZPA, LKZPN, PKZPA and PKZPN)



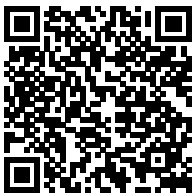
5) Sliding door (for types: HPLA, HPLN, PPA and PPN)



6) Hinged door (for types: POA and PON)



MORE INFORMATION, PHOTOS



TECHNICAL DATA

| Type designation                  |
|-----------------------------------|
| DGLE fume hood                    |
| Dimensional range                 |
| Fume hood with a width of 900 mm  |
| Fume hood with a width of 1200 mm |
| Fume hood with a width of 1500 mm |
| Fume hood with a width of 1800 mm |
| Fume hood with a width of 2100 mm |

| Worktop height |                                          |
|----------------|------------------------------------------|
| height         | value                                    |
| 750 mm         | For seated operators                     |
| 900 mm         | For standing operators                   |
| X mm           | Other option agreement with the salesman |

| Selecting base (frame)                                                         |
|--------------------------------------------------------------------------------|
| Steel frame surface-finished with thermosetting epoxy paint                    |
| The base consists of the extended side - for additional option see category S5 |
| Without base (placement on a worktop, table, rack etc.)                        |

| Selecting cabinet under the fume hood                                                                            |                  |
|------------------------------------------------------------------------------------------------------------------|------------------|
| value                                                                                                            | exhaust cabinets |
| High-pressure laminate with one shelf, sliding door                                                              | Ano              |
| High-pressure laminate with one shelf, sliding door                                                              | Ne               |
| Laminate with combined drawers, tall on the left side, FH width 900-1200 2 columns, FH 1500-2100 3 columns       | Ano              |
| Laminate with combined drawers, tall on the left side, FH width 900-1200 2 columns, FH 1500-2100 3 columns       | Ne               |
| Laminate with combined drawers, tall on the right side, FH width 900-1200 2 columns, FH 1500-2100 3 columns      | Ano              |
| Laminate with combined drawers, tall on the right side, FH width 900-1200 2 columns, FH 1500-2100 3 columns      | Ne               |
| Laminate with low drawers, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns                   | Ano              |
| Laminate with low drawers, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns                   | Ne               |
| Laminate with tall drawers, 1 row drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns                   | Ano              |
| Laminate with tall drawers, 1 row drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns                   | Ne               |
| Polypropylene with combined drawers, tall on the left side, FH width 900-1200 2 columns, FH 1500-2100 3 columns  | Ano              |
| Polypropylene with combined drawers, tall on the left side, FH width 900-1200 2 columns, FH 1500-2100 3 columns  | Ne               |
| Polypropylene with combined drawers, tall on the right side, FH width 900-1200 2 columns, FH 1500-2100 3 columns | Ano              |
| Polypropylene with combined drawers, tall on the right side, FH width 900-1200 2 columns, FH 1500-2100 3 columns | Ne               |
| Polypropylene with low drawers, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns              | Ano              |
| Polypropylene with low drawers, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns              | Ne               |
| Polypropylene with one shelf, hinged door, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns   | Ano              |
| Polypropylene with one shelf, hinged door, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns   | Ne               |
| Polypropylene with one shelf, sliding door                                                                       | Ano              |
| Polypropylene with one shelf, sliding door                                                                       | Ne               |
| Polypropylene with tall drawers, 1 row drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns              | Ano              |
| Polypropylene with tall drawers, 1 row drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns              | Ne               |
| Without equipment - option to adding such Asecos, Kötterman etc.                                                 | Ano              |
| Without equipment                                                                                                | Ne               |

### Selecting worktop

|                                               |
|-----------------------------------------------|
| Stainless steel AISI 304                      |
| Stainless steel AISI 316, chemical resistance |
| Large-format ceramic tiling 800x400           |
| Durcon - epoxy resin                          |
| High-pressure laminate                        |
| Whole-area technical ceramics                 |
| Polypropylene                                 |
| Safety glass                                  |
| Artificial stone                              |

### Selecting wall and ceiling facing

|                                                      |
|------------------------------------------------------|
| Stainless steel AISI 316 FIN8, chemical resistance   |
| Large-format ceramic tiling 800x400                  |
| Durcon - epoxy resin                                 |
| High-pressure laminate                               |
| Technical ceramics                                   |
| Polypropylene                                        |
| Safety glass                                         |
| Without gluing (only partitions with surface finish) |

### Selecting media valves

|                                       |
|---------------------------------------|
| Acetylene                             |
| Argon                                 |
| Compressed air                        |
| Carbon dioxide                        |
| Drinking water                        |
| Demi water                            |
| Hydrogen                              |
| Hot water                             |
| Helium                                |
| Nitrogen                              |
| Natural gas                           |
| Oxygen                                |
| Others upon agreement with the dealer |
| Propane-butane                        |
| Vacuum                                |
| Unused position                       |

### Selecting liquid medium drip sink material

| value                                 | dimension                                           |
|---------------------------------------|-----------------------------------------------------|
| Ceramic                               | čtvercová 300 x 300 mm, hloubka 150 mm              |
| Ceramic                               | čtvercová 400 x 400 mm, hloubka 150 mm              |
| Ceramic                               | obdelníková 300 x 150 mm, hloubka 150 mm            |
| Others upon agreement with the dealer |                                                     |
| Ceramic                               | čtvercová 145 x 145 mm, hloubka 150 mm, barva bílá  |
| Ceramic                               | čtvercová 145 x 145 mm, hloubka 150 mm, barva hnědá |
| Polypropylene                         | čtvercová 150 x 150 mm, hloubka 120 mm              |
| Polypropylene                         | obdelníková 300 x 150 mm, hloubka 100 mm            |
| Without sink                          |                                                     |

### Selecting drip sink location

|                                 |
|---------------------------------|
| On the left rear side           |
| On the left and right rear side |
| On the right rear side          |

### Selecting electrical sockets

Connector for 1 LAN (ethernet)

Connector for 2 LAN (ethernet)

2 Sockets 1ph/230V

4 Sockets 1ph/230V

6 Sockets 1ph/230V

8 Sockets 1ph/230V

1 Socket 3ph/400V - 5 pins

2 Sockets 3ph/400V - 5 pins

### Selecting inner grille

Stainless steel AISI 304

Stainless steel AISI 316, chemical resistance

Other material design or number of verticals

Without grille