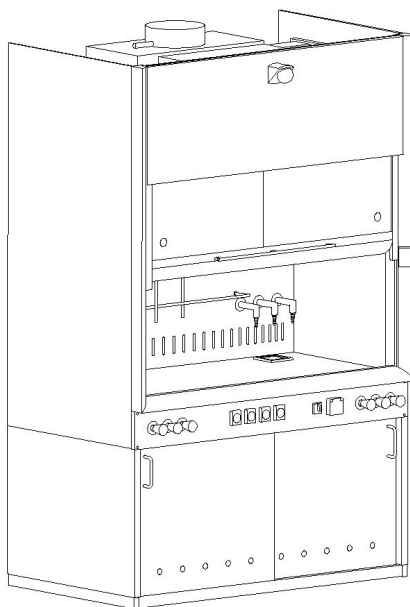


Equipment and Isolator technology - Fume hoods

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.

Equipment and Isolator technology - Fume hoods

DGLE FUME HOODS

S2 – DIMENSIONAL RANGE

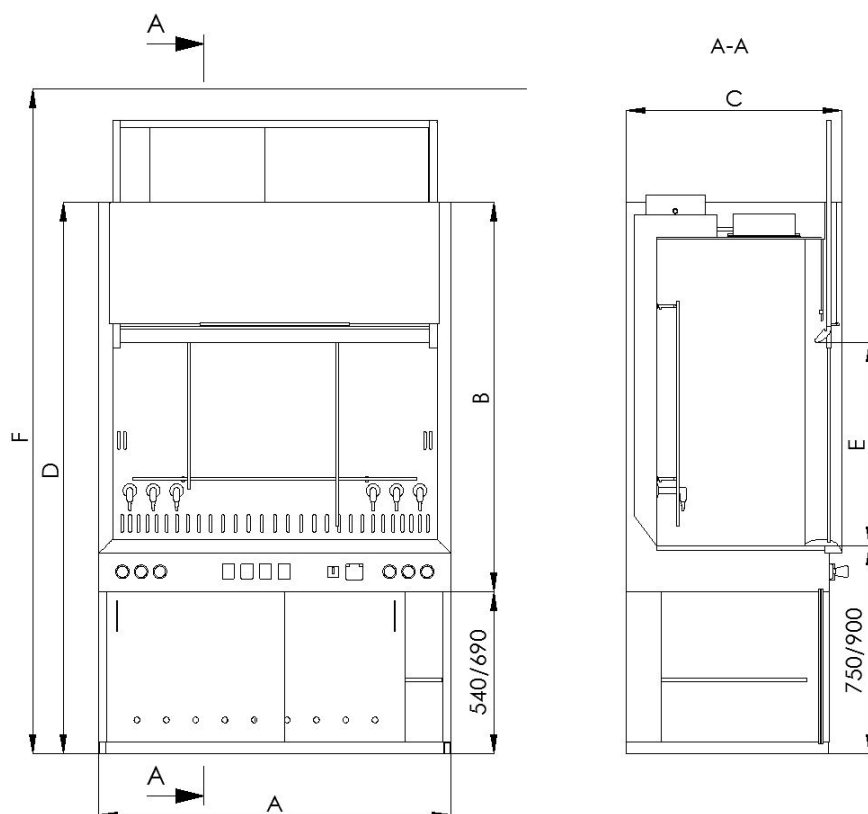


Table of dimension (width x height x depth mm):

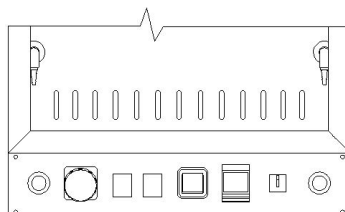
Code designation	Fume hood dimensions A x B x C	Maximum uplift of the sliding window E	Fume hood dimensions including the bottom cabinet - standing operator A x D x C	Fume hood dimensions including the bottom cabinet - seated operator A x D x C	Workplace size	Size of the service opening with the window opened to the max.	Min. height for fume hood installation including the bottom structure 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

Equipment and Isolator technology - Fume hoods

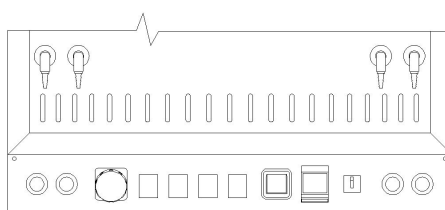
DGLE FUME HOODS

Maximum quantity of media and electricakl sockets:

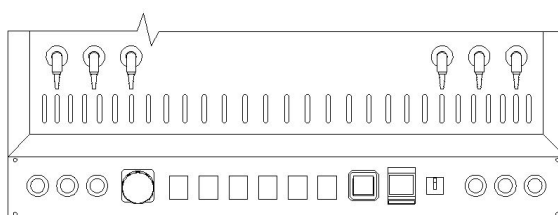
900



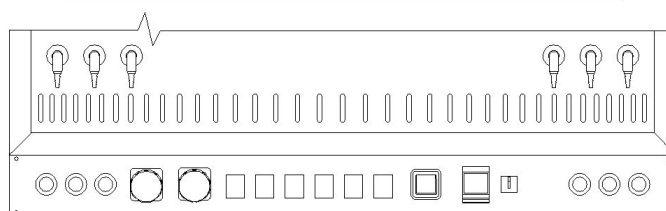
1200



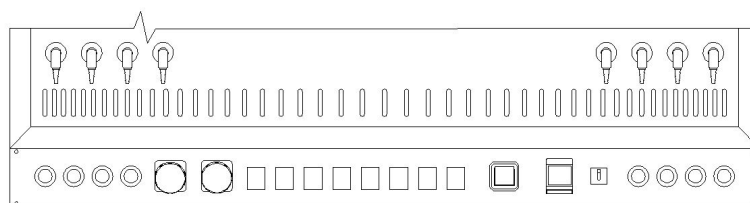
1500



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

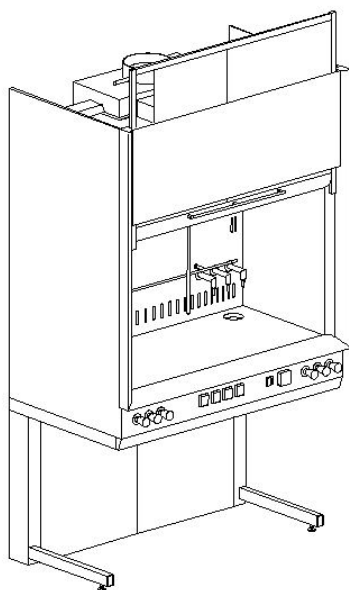
This table specifies the maximum number of media and sockets

Equipment and Isolator technology - Fume hoods

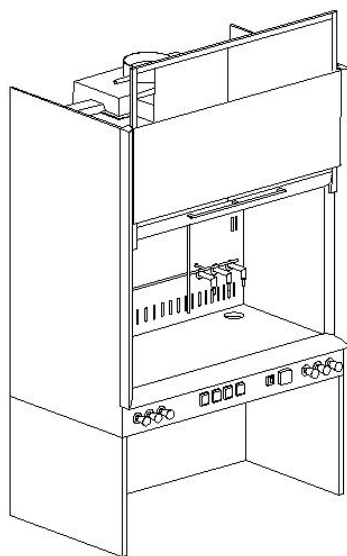
DGLE FUME HOODS

S4 – SELECTING BASE (FRAME)

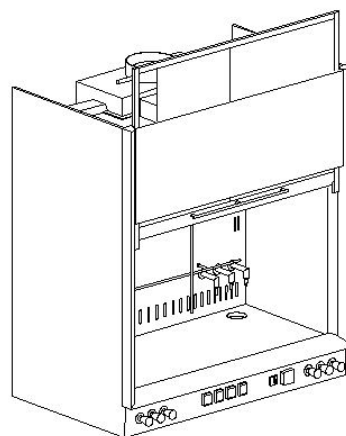
When selecting the worktop height "900 mm" (category S3) and the base "PB" (category S4). The bottom cabinet may be defined from S5 category.



LS



PB



WO

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

Equipment and Isolator technology - Fume hoods

DGLE FUME HOODS

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 use of the space under the fume hood. There is a possibility to select the mode of door opening (sliding or hinged). Furthermore, there is a possibility to install 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.

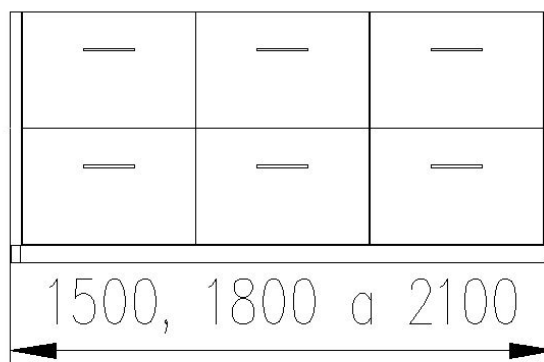
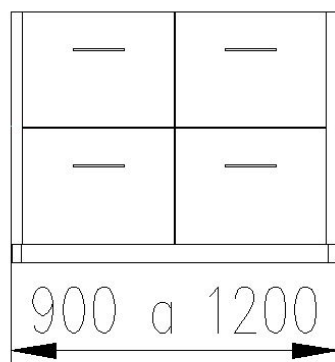
The depth of all cabinets is 500 mm.

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

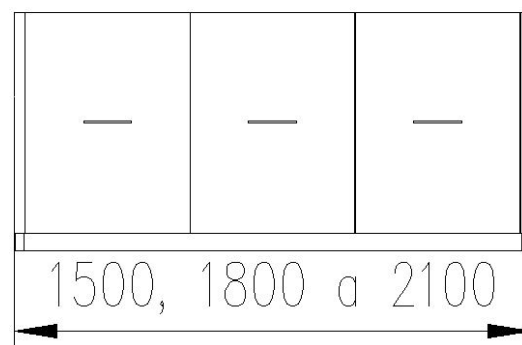
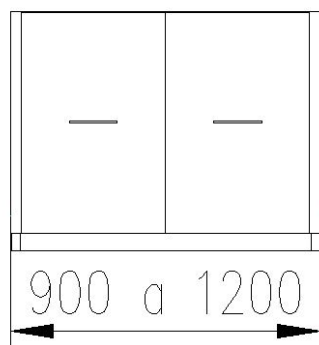
For cabinet Asecos, Kötterman sump tray surcharge.

Sketches of individual versions.

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



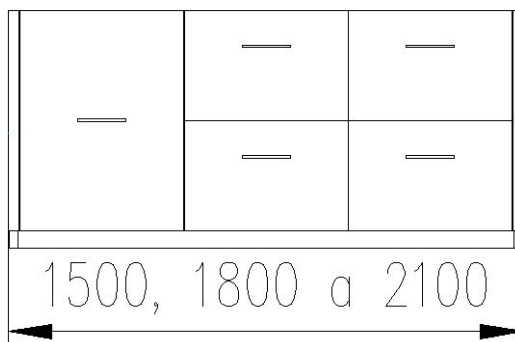
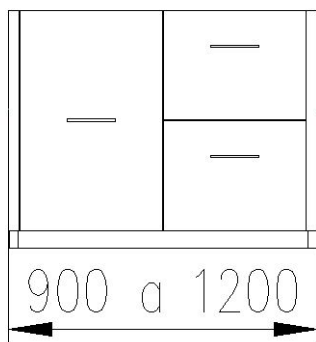
2) Tall drawers (for types: LVZA, LVZN, PVZA and PVZN)



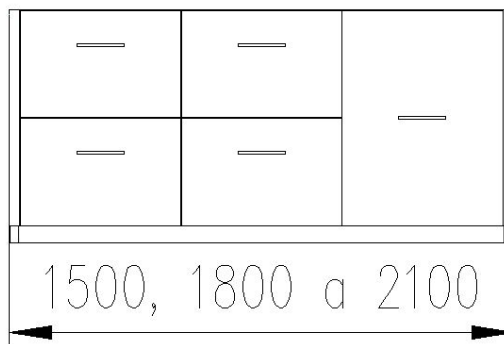
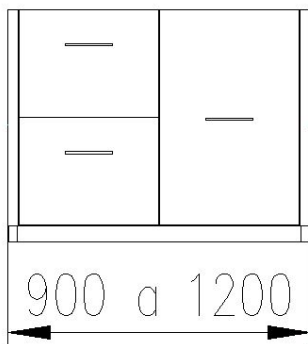
Equipment and Isolator technology - Fume hoods

DGLE FUME HOODS

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)



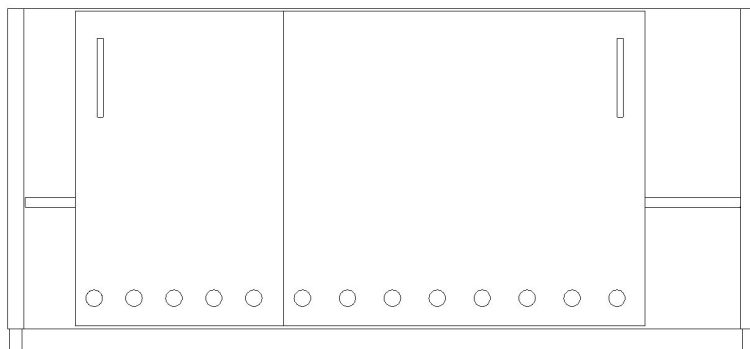
4) Combined drawers, in the left side are two rows low drawers and in the right side is one tall drawer (for types: LKZPA, LKZPN, PKZPA and PKZPN)



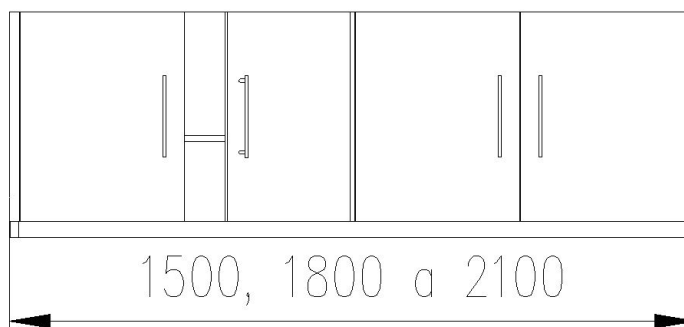
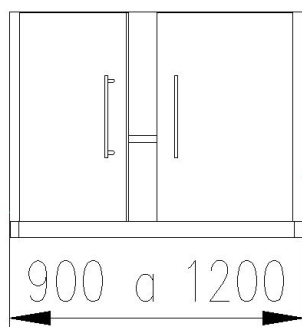
Equipment and Isolator technology - Fume hoods

DGLE FUME HOODS

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



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



Equipment and Isolator technology - Fume hoods

DGLE FUME HOODS

S1: Type designation

550.30: DGLE fume hood

S2: Dimensional range

0900: Fume hood with a width of 900 mm

1200: Fume hood with a width of 1200 mm

1500: Fume hood with a width of 1500 mm

1800: Fume hood with a width of 1800 mm

2100: Fume hood with a width of 2100 mm

S3: Worktop height

value	height
OT: Other option agreement with the salesman	mm
750: For seated operators	750 mm
900: For standing operators	900 mm

S4: Selecting base (frame)

LS: Steel frame surface-finished with thermosetting epoxy paint

PB: The base consists of the extended side - for additional option see category S5

WO: Without base (placement on a worktop, table, rack etc.)

S5: Selecting cabinet under the fume hood

value	exhaust cabinets
HPLA: High-pressure laminate with one shelf, sliding door	Yes
HPLN: High-pressure laminate with one shelf, sliding door	No
LKZLA: Laminate with combined drawers, tall on the left side, FH width 900-1200 2 columns, FH 1500-2100 3 columns	Yes
LKZLN: Laminate with combined drawers, tall on the left side, FH width 900-1200 2 columns, FH 1500-2100 3 columns	No
LKZPA: Laminate with combined drawers, tall on the right side, FH width 900-1200 2 columns, FH 1500-2100 3 columns	Yes
LKZPN: Laminate with combined drawers, tall on the right side, FH width 900-1200 2 columns, FH 1500-2100 3 columns	No
LNZA: Laminate with low drawers, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	Yes
LNZN: Laminate with low drawers, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	No
LVZA: Laminate with tall drawers, 1 row drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	Yes
LVZN: Laminate with tall drawers, 1 row drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	No
PKZLA: Polypropylene with combined drawers, tall on the left side, FH width 900-1200 2 columns, FH 1500-2100 3 columns	Yes

Equipment and Isolator technology - Fume hoods

DGLE FUME HOODS

PKZLN: Polypropylene with combined drawers, tall on the left side, FH width 900-1200 2 columns, FH 1500-2100 3 columns	No
PKZPA: Polypropylene with combined drawers, tall on the right side, FH width 900-1200 2 columns, FH 1500-2100 3 columns	Yes
PKZPN: Polypropylene with combined drawers, tall on the right side, FH width 900-1200 2 columns, FH 1500-2100 3 columns	No
PNZA: Polypropylene with low drawers, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	Yes
PNZN: Polypropylene with low drawers, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	No
POA: Polypropylene with one shelf, hinged door, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	Yes
PON: Polypropylene with one shelf, hinged door, 2 rows drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	No
PPA: Polypropylene with one shelf, sliding door	Yes
PPN: Polypropylene with one shelf, sliding door	No
PVSA: Polypropylene with tall drawers, 1 row drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	Yes
PVSN: Polypropylene with tall drawers, 1 row drawers, FH width 900-1200 2 columns, FH 1500-2100 3 columns	No
WOA: Without equipment - option to adding such Asecos, Kötterman etc.	Yes
WON: Without equipment	No

S6: Selecting worktop

DL: Large-format ceramic tiling 800x400
DR: Durcon - epoxy resin
HPL: High-pressure laminate
KE: Whole-area technical ceramics
PP: Polypropylene
SG: Safety glass
UK: Artificial stone
304: Stainless steel AISI 304
316: Stainless steel AISI 316, chemical resistance

S7: Selecting wall and ceiling facing

DL: Large-format ceramic tiling 800x400
DR: Durcon - epoxy resin
HPL: High-pressure laminate
KE: Technical ceramics
PP: Polypropylene
SG: Safety glass
WO: Without gluing (only partitions with surface finish)
316: Stainless steel AISI 316 FIN8, chemical resistance

Equipment and Isolator technology - Fume hoods

DGLE FUME HOODS

S8: Selecting media valves

AC: Acetylene

AR: Argon

CDA: Compressed air

CO2: Carbon dioxide

CW: Drinking water

DI: Demi water

HCW: Hot water

HE: Helium

H2: Hydrogen

NG: Natural gas

N2: Nitrogen

OT: Others upon agreement with the dealer

O2: Oxygen

PB: Propane-butane

VAC: Vacuum

WO: Unused position

S9: Selecting liquid medium drip sink material

value	dimension
KECC: Ceramic	square 300 x 300 mm, depth 150 mm
KECD: Ceramic	square 400 x 400 mm, depth 150 mm
KEOB: Ceramic	rectangular 300 x 150 mm, depth 150 mm
OT: Others upon agreement with the dealer	
POSB: Ceramic	square 145 x 145 mm, depth 150 mm, color white
POSH: Ceramic	square 145 x 145 mm, depth 150 mm, color brown
PPC: Polypropylene	square 150 x 150 mm, depth 120 mm
PPO: Polypropylene	rectangular 300 x 150 mm, depth 100 mm
WO: Without sink	

S10: Selecting drip sink location

L: On the left rear side

O: On the left and right rear side

P: On the right rear side

S11: Selecting electrical sockets

L1: Connector for 1 LAN (ethernet)

L2: Connector for 2 LAN (ethernet)

S2: 2 Sockets 1ph/230V

S4: 4 Sockets 1ph/230V

S6: 6 Sockets 1ph/230V

S8: 8 Sockets 1ph/230V

V1: 1 Socket 3ph/400V - 5 pins

V2: 2 Sockets 3ph/400V - 5 pins

Equipment and Isolator technology - Fume hoods

DGLE FUME HOODS

S12: Selecting inner grille

OT: Other material design or number of verticals

WO: Without grille

304: Stainless steel AISI 304

316: Stainless steel AISI 316, chemical resistance