

cat. no. 550.20

Fume hoods

## DGL FUME HOODS



The fume hood is equipped with manual 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 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. 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. DGL fume hood is compliant with the European Standard ČSN EN 14 175 - FUME HOODS.

## S2 – DIMENSIONAL RANGE

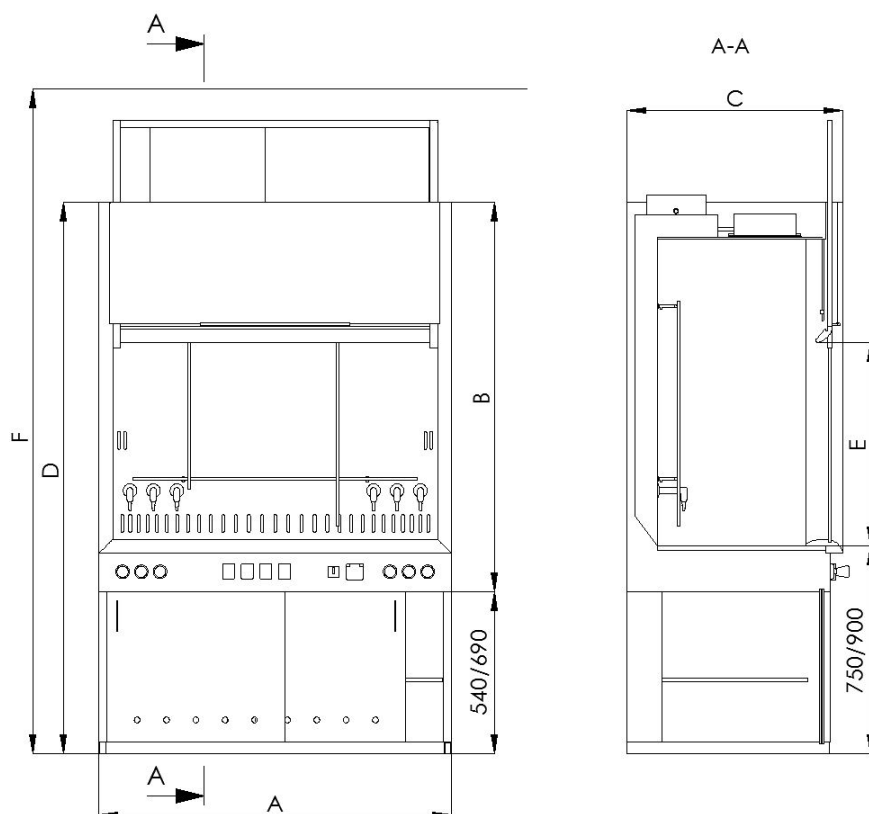
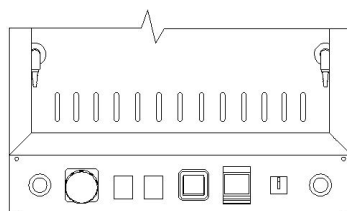


Table of dimension (width x height x depth mm):

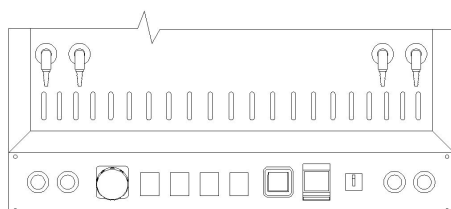
Code designation	Fume hood dimensions A x B x C	Maximum uplift of the sliding window E	Fume hood dimensions including the bottom cabinet - standing operator A x D x C	Fume hood dimensions including the bottom cabinet - seated operator A x D x C	Workplace size	Size of the service opening with the window 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

Maximum quantity of media and electricakl sockets:

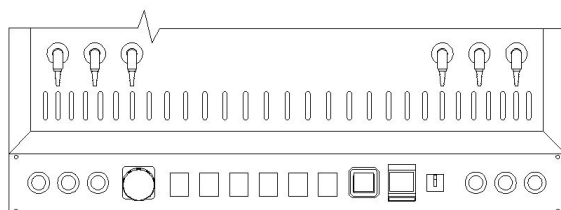
900



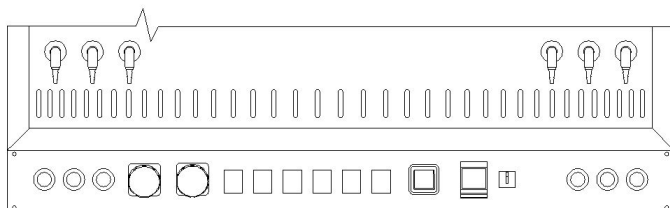
1200



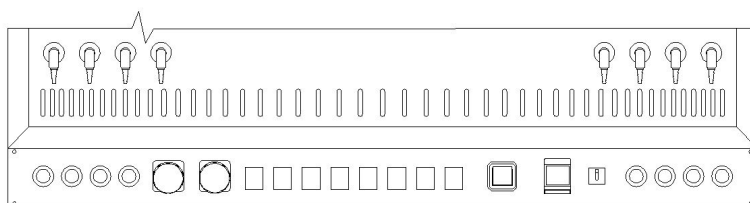
1500



1800



2100

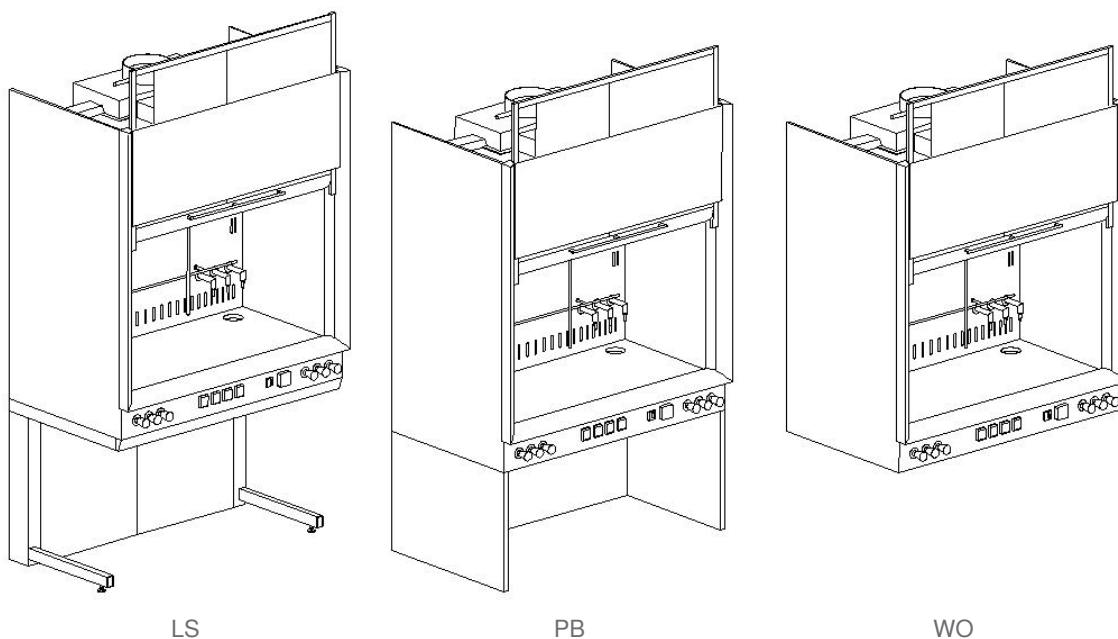


Code designation	Recommended (max.) number of supplied media (S8)	Recommended (max.) number of electrical sockets 230V (S11)	Recommended (max.) number of electrical sockets 3f/400V (S11)
900	2	2	1
1200	4	4	1
1500	6	6	1
1800	6	6	2
2100	8	8	2

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. Při volbě výšky



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.

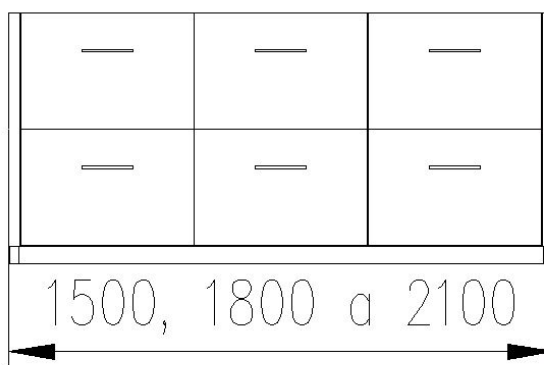
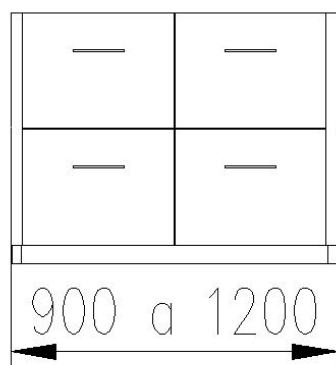
The depth of all cabinets is 500 mm.

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

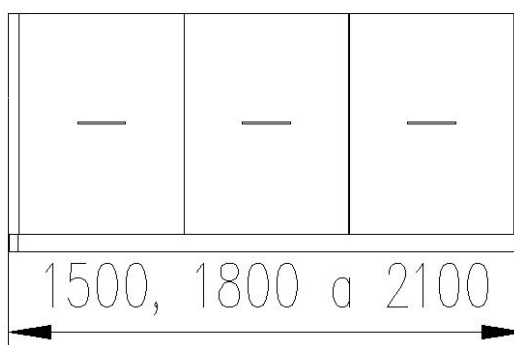
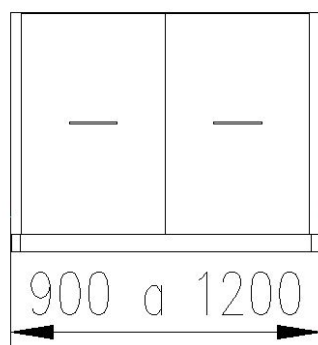
For cabinet Asecos, Kötterman sump tray surcharge.

Sketches of individual versions.

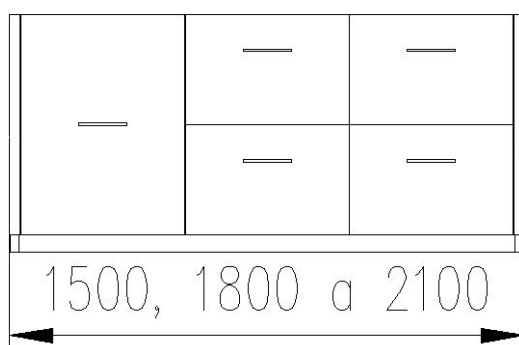
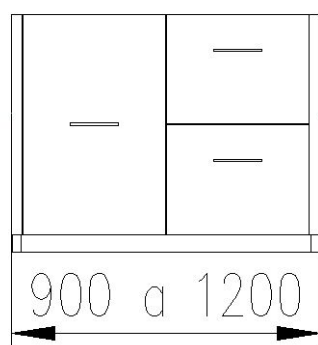
1) Low drawers (for types: PNZA, PNZN, LNZA and LNZN)



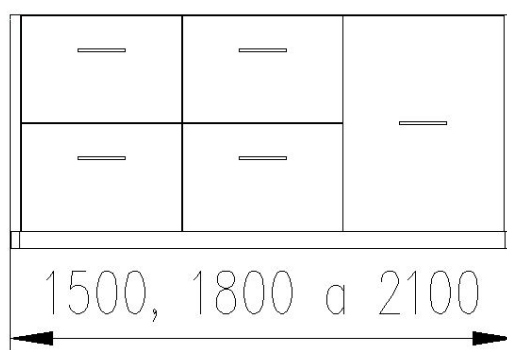
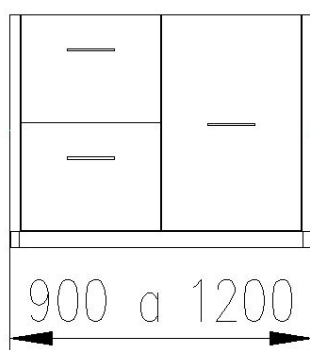
2) Tall drawers (for types: LVZA, LVZN, PVZA and PVZN)



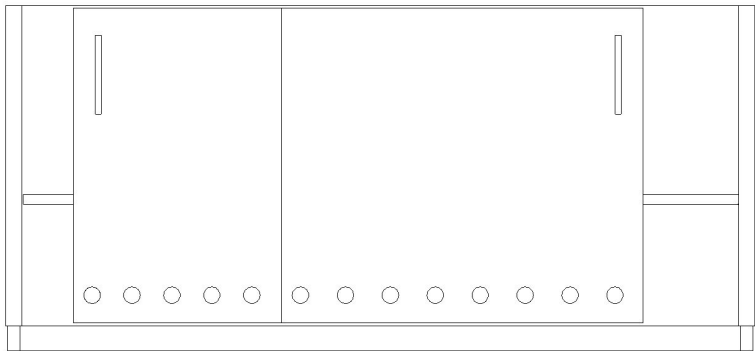
3) Combined drawers, in the left side is one tall drawer and in the right side are two rows low drawers (for types: LKZLA, LKZLN, PKZLA and PKZLN)



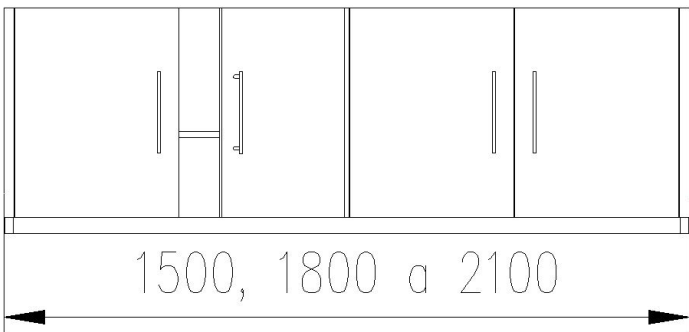
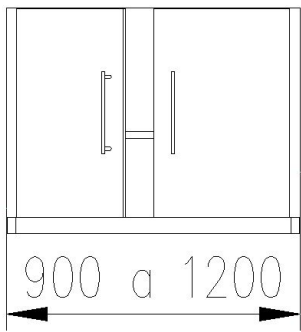
4) Combined drawers, in the left side are two rows low drawers and in the right side is one tall drawer (for types: LKZPA, LKZPN, PKZPA and PKZPN)



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
DGL 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 upon agreement with the dealer

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
HPL - 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