

## Data sheet

## Fume hood Compact Line DCL-1800 CR



### Standard equipment for fume hoods:

- structure entirely made of galvanized steel without the use of wood-based materials
- worktop at a height of 900mm made of monolithic ceramics with a raised rim with a suspended ceramic sink 280x80mm
- toughened glass window, lifted manually with counterweight, opened upwards with a lock at the height of 500 mm (max 810mm), and additionally sliding glass (right / left). The window has a system preventing the uncontrolled drop of the window
- 2 electric sockets 230V 50Hz
- 2 water spouts with valves on the BROEN front panel
- energy-saving linear LED lighting separated from the fume hood with a glass pane
- double system the back wall with exhaust slots in the upper and lower part ensuring proper extraction of vapors lighter or heavier than air without turbulence and dead zones
- safety flap in the ceiling ensuring decompression in the event of uncontrolled pressure increase in the working chamber
- full monitoring set (Schneider brand) air flow velocity in the fume cupboard window compliant with the PE-EN 14175 standard
- CE Declaration of Conformity: PN-EN 14175; PN-EN 14056; PN-EN 13150

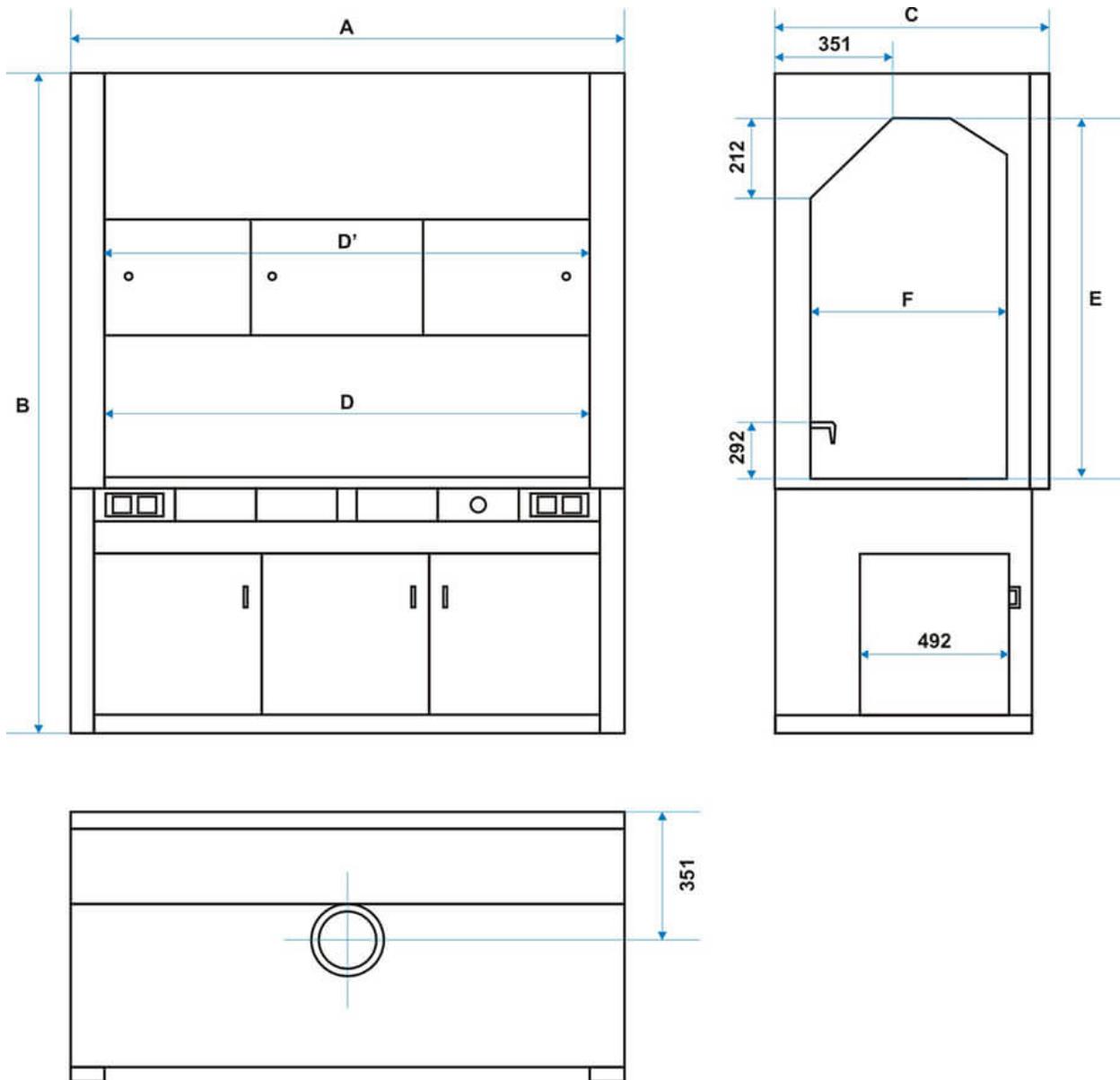
**TECHNICAL DATA - DIMENSIONS**

**overall dims [mm]**

|          |           |
|----------|-----------|
| width A  | 1880      |
| height B | 2325-2600 |
| depth C  | 960       |

**working space dims (mm)**

|                 |      |
|-----------------|------|
| width D         | 1750 |
| window width D1 | 1565 |
| height E        | 1220 |
| depth F         | 635  |



**TECHNICAL DATA**

|  |  |
|--|--|
| recommended airflow [m <sup>3</sup> /h]            | 900 - 1500   |
| required capacity of the ventilation system [m/s]  | 0,3 - 0,5  |
| nominal power [W]                                  | 82   |
| power supply                                       | 230 VAC 50Hz   |
| diameter of the air outlet stub [mm]               | Ø 200  |
| water supply                                       | G 1/2 " male thread  |
| sewage connection diameter [mm]                    | Ø 50   |
| electrical insulation                              | class I  |
| standard ventilation system                        | double rear wall   |
| illumination installed outside the working chamber | LED, class A ++, through insulating glass / from operator panel  |
| monitoring set                                     | <i>standard:</i><br>- FM 550-A-0-E controller with a speed sensor AFS 100 in the fume hood window and the FA-0025-3 operator panel<br><i>option:</i><br>- ICM 500-F-EU controller with flow control<br>- ICM 500-FP-EU controller with flow control and cooperation with BMS<br>- other Schneider controllers available on request |
| raising the window                                 | <i>standard:</i><br>- manual with counterweight (lock at a height of 500mm, maximum opening 810mm)<br><i>option:</i><br>- SC 500 - Auto Protect system - with foot switch<br>- SC 500 - Auto Protect system - with panel switch  |
| frame and housing material                         | The frame is made entirely of galvanized steel.<br>External housing made of galvanized and painted with epoxy paint steel  |
| working chamber wall finishing                     | Buchtal large-size ceramic   |
| worktop  | Monolithic ceramics with marine edge   |
| worktop OPTION (available materials)               | - Phenolic resin, epoxy<br>- Stainless steel AISI 304, 316   |
| underbench cabinet OPTION (different types)        | - metal, ventilated cabinet painted with epoxy paint<br>- cabinet for acids and alkalis made of foamed PVC<br>- explosion-proof cabinets Asecos 30 and 90 minutes  |
| warranty   | 24 months  |
| manufacturer                                       | POL-EKO-APARATURA  |

**Other optional equipment:**

- main switch
- anti-shock switch
- safety switch
- 400VAC IP44 socket
- additional 230VAC IP44 sockets
- 230VAC sockets inside the working chamber IP44
- Manual Protect system - battery backup of the monitoring set
- power supply control of the socket with the option of timer setting
- additional gas taps
- metal cabinet key lock under the tabletop
- explosion-proof equipment EX
- side glazing
- truss made of acid-resistant steel, on the back wall of the manipulation chamber
- inspection openings
- flexible strip brush