



# GLOVEFAST CYTO PHARMA

## TECHNICAL DATASHEET



  
MADE IN ITALY

# TECHNICAL SPECIFICATIONS

## FASTER ISOLATORS

GloveFAST CytoPharma | Class III according to DIN 12980, DIN EN ISO 14644-7

| Isolators dimensions  | Unit              | 1.2 m / 2-hand,<br>2 hatch   | 1.5 m / 2-hand,<br>2 hatch                    | 1.8 m / 4-hand,<br>2 hatch                    |
|---|-------------------|--|---|---|
| External dimensions W×H×D   | mm                | 2.510 × 2.450 × 868  | 2.815 × 2.450 × 868                           | 3.120 × 2.450 × 868                           |
| Usable dimensions W×H×D   | mm                | 1.192 × 740 × 580  | 1.497 × 740 × 580                             | 1.802 × 740 × 580                             |
| External dimensions W×H×D<br>Isolator without airlocks                              | mm                | 1.350 × 2.450 × 855  | 1.655 × 2.450 × 855                           | 1.960 × 2.450 × 855                           |
| Working height Isolator   | mm                | 880  |   |   |
| Interior door dimensions<br>Material locks  | mm                | 370 × 338  |   |   |
| External door dimensions<br>Material locks  | mm                | 370 × 324  |   |   |
| Arm sleeves   |                   | Neoprene (certified)   |   |   |
| Dimensions of sleeves   | mm                | Dimensions at the wrist 90 mm / Gloveport Ø 300 mm                     |   |   |
| <b>Electrical connection &amp; weight</b>   |                   |  |   |   |
| Connected load  |                   | 230 V, 50 Hz, single-phase<br>≤ 240 Watt                               | 230 V, 50 Hz, single-phase<br>≤ 280 Watt      | 230 V, 50Hz, single-phase<br>≤ 320 Watt       |
| Weight  | kg                | 450  | 480   | 520   |
| Work surface lighting   | Lux               | ≥ 1.200  |   |   |
| Noise level   | dB(A)             | ≤ 48   | ≤ 50  | ≤ 51  |
| <b>Filter</b>   |                   |  |   |   |
| Pre-filter dimensions G4  | mm                | 305 × 457 × 20   |   |   |
| Supply air hatch filter H14   | mm                | 305 × 457 × 115  |   |   |
| Exhaust air hatch filter H14  | mm                | 305 × 457 × 69   |   |   |
| Main filter V-filter box H14  | mm                | 305 x 235 x 400 (Anz. 3)   | 305 x 235 x 400 (Anz. 4)                      | 305 x 235 x 400 (Anz. 5)                      |
| Downflow Filter H14   | mm                | 1.220 × 610 × 115  | 1.525 × 610 × 115                             | 1.830 × 610 × 115                             |
| Supply air filter H14   | mm                | 457 × 610 × 115  | 457 × 762 × 115                               | 457 × 915 × 115                               |
| <b>Materials</b>  |                   |  |   |   |
| Isolator outer casing   |                   | Powder-coated sheet steel / Optional: 1.4301 stainless steel           |   |   |
| Material hatch  |                   | Powder-coated stainless steel sheet / Optional: Stainless steel 1.4301 |   |   |
| Work surface  |                   | Stainless steel 1.4404, electropolished                                |   |   |
| <b>Air exchange</b>   |                   |  |   |   |
| Air exchange rate usable space /h   |                   | 1.800  |   |   |
| Air exchange rate hatch /h  |                   | 3.400  |   |   |
| Air exchange rate exhaust air /h  |                   | 860  |   |   |
| Exhaust air volume  | m <sup>3</sup> /h | 160  | 200   | 240   |
| Temperature increase in usable<br>space (at a constant room<br>temperature of 20°C) | °C                | 1,5 – 3°C<br>depending on filter<br>condition                          | 1,5 – 4°C<br>depending on filter<br>condition | 1,5 – 4°C<br>depending on filter<br>condition |
| Air flow (Laminar Flow)   | m/s               | 0,45   |   |   |
| Flow monitoring   |                   | Flow sensors for downflow and exhaust air                              |   |   |
| Negative pressure working space   | Pa                | -75  |   |   |
| Negative pressure material hatch  | Pa                | -200   |   |   |
| Pressure  |                   | Pressure monitoring  |   |   |
| <b>Pressure retention test</b>  |                   |  |   |   |
| Valve control   |                   | semi-automatic / optional: fully automatic                             |   |   |