

Technical datasheet

# Ducted Biological Safety Cabinets

Biological safety cabinets with LCD airflow monitoring, HEPA filtration, stainless steel work areas and model-specific cabinet dimensions.



Representative cabinet. Work-area width, lighting and exhaust arrangement depend on the selected model; confirm the final installed configuration.

## Key features

Automatic airflow adjustment and LCD display

UV/lighting interlock and front-window alarm

Removable SUS304 worktop and drain

## Standard Configuration

LCD monitoring, automatic airflow adjustment, filter fault alarms, UV/lighting interlock and front-window position alarm. Standard HEPA filtration, observation lighting and UV lamp, SUS304 work area with removable worktop, splash-protected AC outlet, reserved water/gas connections, collection trough and drain valve. An exhaust hood and duct connection are provided for a central exhaust system or an optional external exhaust fan. The supply fan stops when the front window is closed; the base has casters and leveling adjustment.

## Optional Accessories

Confirm filter grade, supplied service fittings, installation and exhaust requirements, commissioning and qualification documentation in the quotation. No third-party certification or protection test result is asserted by this datasheet. The external exhaust fan is optional; confirm the building exhaust arrangement.

## Technical Information

| Parameter                     | Value                       |
|-------------------------------|-----------------------------|
| Average inflow velocity       | 0.55 m/s                    |
| Downflow control precision    | ±0.015 m/s                  |
| Operating temperature         | 10-30 °C                    |
| Operating RH at 25 °C         | ≤70%                        |
| Average illuminance           | ≥650 lx                     |
| Electrical supply             | AC 220 V ±10 V / 50 / 60 Hz |
| Differential-pressure display | 0-500 Pa                    |

| Model      | Average downflow velocity | Power including outlet (kW) |
|------------|---------------------------|-----------------------------|
| PT-BSC-004 | 0.35 m/s                  | 1.8                         |
| PT-BSC-005 | 0.33 m/s                  | 2                           |

## Technical Information

| Model      | Work-area dimensions (mm) | External dimensions (mm) |
|------------|---------------------------|--------------------------|
| PT-BSC-004 | 1060 × 580 × 595          | 1200 × 770 × 2320        |
| PT-BSC-005 | 1360 × 580 × 595          | 1500 × 770 × 2320        |

| Model      | Lighting / UV lamp power (W × count) |
|------------|--------------------------------------|
| PT-BSC-004 | 20 × 1 / 20 × 1                      |
| PT-BSC-005 | 30 × 1 / 30 × 1                      |

| Model      | Supply filter dimensions (mm) | Exhaust filter dimensions (mm) |
|------------|-------------------------------|--------------------------------|
| PT-BSC-004 | 1095 × 475 × 70               | 500 × 460 × 70                 |
| PT-BSC-005 | 1395 × 475 × 70               | 650 × 460 × 70                 |

## Selection / Ordering Information

Specify the PRECETTA model, work-area width, intended process, site utilities and exhaust arrangement. Confirm filtration, commissioning and required qualification documents before ordering.