

Horizontal flow laminar cabinets (H series)

Indicated for works requiring a total protection of samples and non contaminating products and without risk for operator and for environment.

- Suitable to work under sterility conditions and absence of particles – by means of a filtered air sweep and impelled in laminar regime- on the work area at a speed of 0,45 m/s. Obtaining class 100 according to the USA federal standard 209e regulation.
- Suitable for pharmaceutical, FIV, food industry, electronic optical...
- Particles count test.
- Filter: HEPA/ ULPA H14 99,999% efficacy for particles over 0,3 microns and 99.995% efficacy for more permeation particles (MPPS) according to EN 1822 norm.
- Prefilter included.
- Work area made of polished stainless steel.
- Side walls made of securized tempered glass.
- Outer construction made of rolled steel epoxy coated.
- Paddle – wheel fan with fitted in motor, balanced.
- Control panel with action switches for : fan, fluorescent lamps and UV lamp.
- Time meter and inner socket.
- Safety device to prevent that fluorescent and UV lamp light at same time.
- Preliminary installation to adapt a differential manometer.
- Preliminary intallation to adapt UV kit with UV lamp.
- Fluorescent illumination higher than 800 lux with electronic reactances.



| Reference | 490480 | 490550 | 490780 | 490960 | 490980 |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Model | IDL.48H | IDL.55H | IDL.78H | IDL.96H | IDL.98H |
| Price | | | | | |
| Dimensions mm | WidexHighxDpeth | WidexHighxDpeth | WidexHighxDpeth | WidexHighxDpeth | WidexHighxDpeth |
| Inner | 740x600x600 | 900x725x600 | 1190x725x600 | 1500x725x600 | 1800x725x600 |
| Outer | 800x1130x940 | 960x1270x940 | 1260x1270x940 | 1565x1270x940 | 1870x1270x940 |
| Power W | 250 | 250 | 325 | 370 | 380 |
| Weight Kg | 95 | 124 | 135 | 155 | 180 |
| Supply | 230V/50-60 Hz | | | | |

Accessories: (H, V and RV Series):

| | | | |
|--------|------------------------------|--------|---------------------------|
| 490002 | Gas tap | 490009 | Support table for IDL.48 |
| 490003 | Vacuum tap | 490010 | Support table for IDL.55 |
| 490005 | UV lamp for 48V and 55V | 490011 | Support table for IDL.78 |
| 490006 | UV lamp for 78V and 96V | 490012 | Support table for IDL.96 |
| 490007 | UV lamp for 48H and 55H | 490013 | Support table for IDL.98H |
| 490008 | UV lamp for 78H, 96H and 98H | 490014 | Differential manometer |

Vertical flow laminar cabinets FLOW-LAN

Vertical V series and Vertical recirculated (RV series)

- Indicated for works requiring a total protection of samples and non contaminating products and without risk for operator and for environment (V series) and for a higher protection for both (RV series).
- Non suitable for pathogenic samples works.
- Suitable to work under sterility conditions and absence of particles – by means of a filtered air sweep and impelled in laminar regime- on the work area at a speed of 0,45 m/s. Obtaining class 100 according to the USA federal standard 209e regulation.
- Filter: HEPA/ ULPA H14 99,999% efficacy for particles over 0,3 microns and 99,995% efficacy for more permeation particles (MPPS) according to EN 1822 norm.
- **RV models:** (30/70% recirculation) have a second HEPA H14 absolute filter located at the 30% treated air extraction volume, making a draw-down in the working area and obtaining a 70% continuous recirculation of the treated air, giving a higher protection to the operator and to the environment.
- Working area made of polished stainless steel.
- Side walls made of securized tempered glass, UV resistant.
- Outer construction made of roled steel epoxy coated.
- Paddle-wheel fan with high efficiency motor with speed regulation.
- Air speed 0,45 m/sec.
- Control panel with action switches for : fan, illumination lamps and UV lamp.
- Time meter and inner socket.
- Safety device for UV lamp.
- Fluorescent illumination at 800 lux.
- Noise level <58 dB

Optional:

- Filter fullfilling alarm with optical and acustical signal.
- Air speed digital indicator in display, with thermoanemometric probe.
- Gas and vacuum taps
- Support table.



| Reference | 493480 | 494480 | 493550 | 494550 | 493780 | 494780 | 493960 | 493960 |
|--------------------------|------------------|----------|-------------------|----------|-------------------|----------|-------------------|----------|
| Model | IDL 48V | IDL R48V | IDL 55V | IDL R55V | IDL 78V | IDL R78V | IDL 96V | IDL R96V |
| Price | | | | | | | | |
| Dimensions mm | AnchoxAltoxFondo | | AnchoxAltoxFondo | | AnchoxAltoxFondo | | AnchoxAltoxFondo | |
| Inner | 740 x 440 x 500 | | 900 x 700 x 600 | | 1200 x 700 x 600 | | 1500 x 700 x 600 | |
| Outer (V Serie) | 800 x 850 x 630 | | 1000 x 1175 x 825 | | 1305 x 1175 x 825 | | 1605 x 1380 x 825 | |
| Outer (RV Serie) | 800 x 910 x 630 | | 1000 x 1380 x 825 | | 1305 x 1380 x 825 | | 1605 x 1380 x 825 | |
| Power W | 300 | | 500 | | 750 | | 1000 | |
| Weight (V Serie) | 75 | | 105 | | 140 | | 155 | |
| Weight (RV Serie) | 83 | | 113 | | 150 | | 170 | |
| Supply | 230V – 50 Hz | | | | | | | |

- 490030 Air speed digital indicator
- 490031 Filter fullfilling alarm
- More accessories (support tables, taps...)

Vertical flow laminar cabinets recirculated 30/70% SD4

Vertical flow laminar cabinets recirculated 30/70% MINI

Suitable for manipulation of non-pathogenic material, media preparation, plant and animal tissue culture, sterility test, assembling of optical or micro-electronic components, microbiology, molecular biology, PCR...

- Suitable to work under sterility conditions and absence of particles – by means of a filtered air sweep and impelled in laminar regime- on the work area at a speed of 0,45 m/s. Obtaining class 100 according to the USA federal standard 209e regulation.
- 2 HEPA filters 99,999% efficiency on over 3 µm particles, one for 70% treated air recirculation and other in the upper side previous 30% air exhaust (SD4 model).
- For MINI model, filter for previous air exhaust is a filter with gravimetric efficiency of 99% on 3 µm particles.
- MINI cabinet has the possibility of work in a 30/70% configuration with 30% air treated exhaust through the upper side of cabinet (INWARD), and other (OUTWARD) where 70% air is exhausted through the front opening.
- Filters according MIL-F51068 and BS-3928.
- Removable perforated work surface and back wall of the work chamber made of AISI 304 stainless steel.
- Side panels in securized tempered glass.
- Outer construction made of rolled steel epoxy coated.
- Centrifugal motorblower.
- Air speed 0,45 m/sec.
- Soft touch keys on the control panel provide control of the lighting, motorblower, UV light, solenoid valve (SD4) and power point (SD4).
- Elapsed time meter.
- Safety device to prevent that fluorescent and UV lamp light at same time.
- X/Y sliding sash with three positions: fully open, standard working height, closed: with air and formaldehyde tight. (SD4).
- Optical and acustical alarm for fan failure (SD4).
- Included: inner power point and tap (SD4).



| Reference | 494770 | 494470 |
|------------------------|-----------------|-------------|
| Model | SD4 | MINI |
| Price | | |
| Dimensions mm | WidexHighxDepth | |
| Inner | 1240x650x485 | 737x510x428 |
| Outer | 1355x1457x785 | 895x815x590 |
| Power Kw | 1,7 | 0,25 |
| Weight | 175 | 57 |
| Illumination | 700 lux | 1000 lux |
| Noise level | <58dB | |
| Vibration | <0,006 mm-RMS | |
| Electric supply | 230V-50 Hz | |

Accessories:

- 490022 Support table for SD4
- 490025 UV Kit for SD4
- 490026 Support table for MINI
- 490027 UV Kit for MINI with timer
- 490028 UV Kit for MINI and front closure panel