## DAIHAN Maxtream™ Laminar Flow Clean Bench, Class 100 HEPA filter, Vertical Air Flow with 8 Steps Air Velocity Control, Touch-type Controller, Dual UV Lamp and Florescent Lamp, Air and Gas Cock, Built-in Electrical Outlet



New Laminar Flow Clean Bench "MaXtream V12"



Vertical Air Flow of "MaXtream V"



High-performance Digital Touch-type Controller, Easy to Use

- DAIHAN-brand® New Generation Laminar Flow Clean Bench
- with Certificate & Traceability: Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Class 100 HEPA Filter of efficiency up to 99.97% & 0.3 micron size
- Mesh Guard for HEPA Filter Protection
- **Easy to Exchange HEPA Filter**
- Safety UV Protection System :
- UV Lamp is only activated once safety Glass Door is Completely closed
- 8 Steps Air Velocity Control
- High performance of Touch Controller-Easy to use
- Microprocessor Digital Controller and Back Light LCD
- UV and Fluorescent Lamp, External Gas Connection Valve, Internal Electrical outlet
- \* High-Quality Back-Light LCD
- \* 99hr 59min Timer
- \* Silence and Vibration-Free Blower
- \* Tempered Safety Glass Sliding Door for Protection from Against UV
- \* Optimized Air Flow System for Uniform Air Flow/Velocity
- \* Corrosion Resistant 304 Stainless steel Working table
- \* Air Flow-type : Vertical Air Flow-type

#### Specification

| Models                                                                                                |          | MaXtream V12                                                      | MaXtream V15    | MaXtream V18    |
|-------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------|-----------------|-----------------|
| Air Flow-type                                                                                         |          | Vertical Air Flow-type                                            |                 |                 |
| $\begin{array}{c} \textbf{Dimension} \\ \textbf{(w} \times \textbf{d} \times \textbf{h)} \end{array}$ | Interior | 1,200×660×610                                                     | 1,500×660×610   | 1,800×660×610   |
|                                                                                                       | Exterior | 1,280×735×1,895                                                   | 1,580×735×1,895 | 1,880×735×1,895 |
| Air Volume                                                                                            |          | 1,350 m²/h                                                        | 1,700 m²/h      | 2,020 m²/h      |
| Air Flow Velocity                                                                                     |          | 8 Steps, 0.3 ~ 0.6 m/s                                            |                 |                 |
| HEPA Filter                                                                                           |          | Class 100, 0.3                                                    |                 |                 |
| Prefilter                                                                                             |          | 3~30μm Particle Removal 1×UV 40W, 1×FL 40W                        |                 |                 |
| Display                                                                                               |          | Back Light LCD                                                    |                 |                 |
| Controller                                                                                            |          | Microprocessor Digital Controller with Touch UI                   |                 |                 |
| Lamp                                                                                                  |          | 1×UV 20W, 1×FL 36W                                                | 1×UV 30W        | , 1×FL 56W      |
| Noise Level                                                                                           |          | 56~60 dBA                                                         |                 |                 |
| Door Type                                                                                             |          | Tempered Safety Glass Sliding Door                                |                 |                 |
| Utility Device                                                                                        |          | 1 × Air Cock, 1 × Gas Cock, 2 × 220V Outlet                       |                 |                 |
| Material                                                                                              |          | Internal : Stainless steel(# 304), External : Powder Coated steel |                 |                 |
| Power Supply*                                                                                         |          | 1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz, with Cord/Plug  |                 |                 |

<sup>\*</sup> Other Specifications are available upon Customer's Request.

#### Ordering Information

### Vertical Air Flow-type

| DH.WLCV1200 | Clean Bench, <b>230V</b> , 1,280×735×1,895mm, " <b>MaXtream V12</b> " |
|-------------|-----------------------------------------------------------------------|
| DH.WLCV1500 | <b>,</b> 1,580×735×1,895mm, " <b>MaXtream V15</b> "                   |
| DH.WLCV1800 | , 1,880×735×1,895mm, " <b>MaXtream V18</b> "                          |
| DH.WLCV1201 | Clean Bench, <b>120V,</b> 1,280×735×1,895mm, " <b>MaXtream V12</b> "  |
| DH.WLCV1501 | , 1,580×735×1,895mm, " <b>MaXtream V15</b> "                          |
| DH.WLCV1801 | , 1,880×735×1,895mm, " <b>MaXtream V18</b> "                          |

#### Validation (IQ, OQ) Service

| DH.WLCV1203 | Validation Service(IQ, OQ), "LCV1200", for "MaXtream V12" |
|-------------|-----------------------------------------------------------|
| DH.WLCV1503 | , "LCV1500", for "MaXtream V15"                           |
| DH.WLCV1803 | , "LCV1800", for "MaXtream V18"                           |

### **DAI HAN Scientific Co., Ltd.**

www.DAIHAN-Sci.com or ALLforLAB.com

Head Office, Factory & Warehouse: 326, Sinpyeongseokhwa-ro, jijeong-myeon, Wonju-si, Gangwon-do, Korea Seoul Office: Daihan Bldg., 25-31, Hwarang-ro 18-gil, Seongbuk-gu, Seoul, Korea

Daejeon Office & Warehouse: 42-6, 150-gil, Daehwa-ro, Daedeok-gu, Deajeon, Korea International Call: +82-2-967-5235 (Ext. 2), Fax: +82-2-963-5231, e-mail: info@daihansci.co.kr





### Certification by...

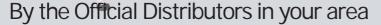
- **▼** CE Insurance
- ☑ ISO 9001 Certified
- **▼** PLInsurance
- ☑ Validation(IQ & OQ) Service
- **▼** Patented

## Securing your Sample! MaXtream TM

# Laminar Flow Clean Bench



## Sales & A/S:







Maximum Convenience by Advanced Digital Technology

## DAIHAN NEW Generation Laminar Flow Clean Bench

## Securing your Sample! MaXtream™ Laminar Flow Clean Bench



The newly developed Laminar Flow Clean Bench from DAIHAN Scientific provides reliable protection for samples and work processes against particulate contamination. The air from above the cabinet vertically goes through a **Pre-filter and a Class 100 HEPA Filter** of efficiency up to 99.97% & 0.3 micron size and is exhausted to the front opening for maintenance of Contamination-Free in the cabinet. Also **UV Lamp** installed in the cabinet contributes to sterilize a source of contamination.

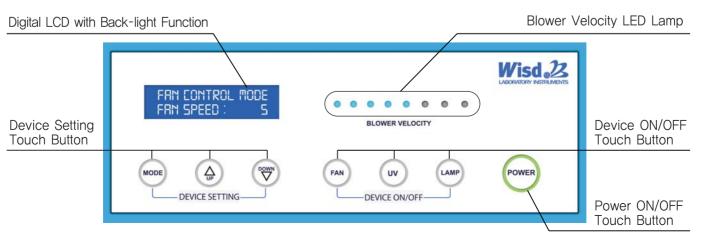
The Controller, fully optimized for convenience in the practical use of Clean Bench, offers intuitive monitoring and easy controlling of UV Lamp, Fluorescent light, Filter Fan and air flow speed.

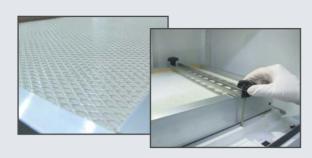
Added to the Unique User Convenient features of DAIHAN, Laminar Flow & Cleanliness, the core performance of Laminar Flow Clean Bench is innovated to be a new Design. Experiencing the **Max Convenience** and **Cleanliness**, **MaXtream™** Clean Bench is necessary to have but no more.

### >> Key Features

- All New Design with the consideration of Safety, Convenience and Functionality
- · Class 100 HEPA Filter with Pre-filter & Vertical Air Flow: Efficiency up to 99.97% Filtration for 0.3 micron sized particle
- Easy to change HEPA filter design, even without servicing.
- Tempered Glass with Sash Door & Double Door Closing Detection
- : Perfect Safety against UV (Automatic turn-off of UV lamp when door opens)
- · 8 Step Control of Air Flow Speed and Timer function
- 2 x Internal Electrical Outlet, 2 x Valve for External Gas Connection, Fluorescent Lamp

## >>> Capacitive Touch - button Controller





### >>> Class 100 HEPA Filter

Efficiency up to 99.97% filtration for 0.3 micron sized particle Easy to change HEPA filter design, even without servicing.



### >>> UV Lamp

Built-in UV Lamp Contributes to sterilize a source of contamination in the cabinet.

Automatic turn-off of Fluorescent lamps while UV lamps on: Prevention from an accident (damage on samples or a burn) by performing experiment while UV lamps on.



### >>> Tempered Glass Sash Door

Tempered Glass Door with UV Block: Perfect Safety against UV Easy-to-open Sash Door

Door Open Sensor: Automatic turn-off of UV lamp when door opens.



### >> Convenience to operate

- $2\times$  Internal Electrical Outlet for other electrical devices connection (220 Voltage)
- $2 \times Valve$  for External Gas Connection.



## >>> Capacitive Touch-Button Controller

Intuitive Touch-Button Controller for user convenience.

Precise Control by Microprocessor and 8 Step Control of Air Flow Speed by simple Touch.

Timer for UV Lamp operation.



### >>> Various Product Size

Various Sized Laminar Flow Clean Bench: 1200-/1500-/1800mm