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

* 99hr 59min Timer

- * High-Quality Back-Light LCD
- * 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

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Models		MaXtream V12	MaXtream V15	MaXtream V18
Air Flow-type		Vertical Air Flow-type		
$\begin{array}{l} \text{Dimension} \\ \text{(w} \times \textbf{d} \times \textbf{h)} \end{array}$	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, 0.3µm Particle Removal 99.97%		
Prefilter		3~30µm Particle Removal 1 × UV 40W, 1 × FL 40W		
Display		Back Light LCD		
Controller		Microprocessor Digital Controller with Touch UI		
Lamp		$1 \times$ UV 20W, $1 \times$ FL 36W	1×UV 30W, 1×FL 56W	
Noise Level		56~60 dBA		
Door Type		Tempered Safety Glass Sliding Door		
Utility Device		1 \times Air Cock, 1 \times Gas Cock, 2 \times 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		

* Other Specifications are available upon Customer's Request.

Ordering Information

Vertical Air Flow-type

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

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"

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Certification by...

- ✓ CE Insurance
- ☑ ISO 9001 Certified
- PL Insurance
- ☑ Validation(IQ & OQ) Service
- Patented

Securing your Sample! MaXtream[™] Laminar Flow Clean Bench





Wisd 2

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



>> Capacitive Touch - button Controller

2 x Internal Electrical Outlet, 2 x Valve for External Gas Connection,

 Easy to change HEPA filter design, even without servicing. Tempered Glass with Sash Door & Double Door Closing Detection

8 Step Control of Air Flow Speed and Timer function

: Perfect Safety against UV (Automatic turn-off of UV lamp when door opens)



Digital LCD with Back-light Function

Fluorescent Lamp

2



>> 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

 $2 \times \mbox{Internal Electrical Outlet for other electrical devices connection}$ (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