

CL-901 CLEAN BOOTH

NOT FOR EXPORT CUSTOM

100 V

■ A fan filter unit and booth are included with the CL-901.

Fan Filter Unit (FFU)

Rated voltage / frequency	100 VAC 50 / 60 Hz
Power consumption	60 / 64 W (50 / 60 Hz)
Filter type	HEPA (main filter) , non-woven fabric (pre-filter)
Trapping efficiency	0.3 μm 99.97% or higher
Airflow rate	9.0 / 10.5 m³ / min (50 / 60 Hz)
Airflow velocity	0.4 / 0.5 m / s (50 / 60 Hz) (with HEPA / Pre-filter installed)
Weight	12 kg (with HEPA / Pre-filter installed)

Booth

External dimensions	2000 (W) × 2200 (H) × 850 to 2500 (D) mm
Booth capacity	3.3 to 11m³
Air exchange rate	168 to 49 times/hr (min. size to expanded size)
Cleanliness class	1000 to 10000
Sheet material	Fiber reinforced PVC sheet (contains antistatic agent) thickness 0.3mm
Frame material	Aluminum
Weight	39.5 kg

CLASS 1000 → CLASS 10000

The frame material is the same as that used in metal bats.



CUSTOM

Custom-order sizes, other tent materials, 220 V specs., etc., are available.

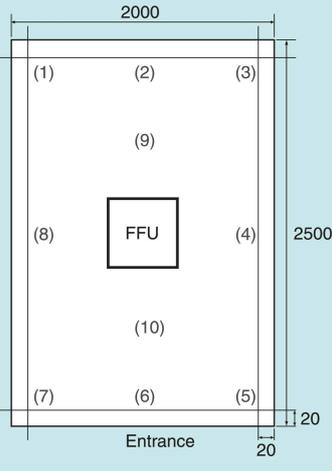
Custom orders are accepted (even for 1 unit)

* Use the quotation form provided on our website.

CL-901 dust removal performance

(Measured values)
Normal environment: 250,000p/CF (0.5 μm) CL-901 at max. elongation (2500 mm)
Measured at a height of 1000 mm, 15 minutes after operation startup.

Measurement point	0.3 μm	0.5 μm
(1)	17,939	2,407
(2)	18,732	2,472
(3)	13,884	1,955
(4)	8,578	1,237
(5)	11,780	1,658
(6)	5,638	785
(7)	9,738	1,526
(8)	12,032	1,821
(9)	18,235	2,798
(10)	16,470	2,413



Replacement parts

CL-901-1 FAN FILTER UNIT

■ Fan set (includes HEPA filter)



CL-901-2 HEPA-FILTER

■ HEPA filter only



CL-901-3 PRE-FILTER

■ Pre-filter only
■ 2 filters provided



CL-901-7 TENT FOR CLEAN BOOTH

CL-901-8 FRAME FOR BOOTH



Optional parts

CL-901-4 PARTITION CURTAIN



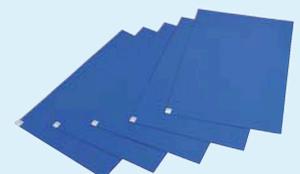
CL-901-5 CONNECTION TAPE

■ Two CL-901 units can be easily linked using a Velcro fastener.

Related products

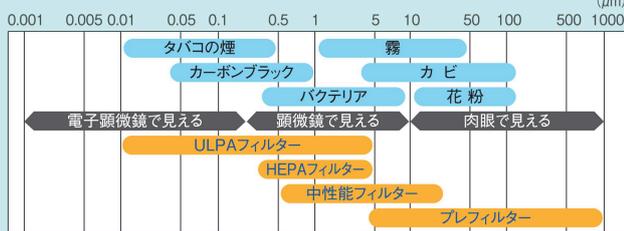
CL-930 STICKY MAT

* For details, see page 159



クリーン環境の予備知識

■ 粒子の大きさとフィルターの関係



■ 清浄度クラス

清浄度の規格は、JIS-B9920や米国連邦規格、NASA規格などがあります。最も代表的な米国連邦規格において、0.5μm以上の微粒子が1CF (立方フィート) の空気中に何個あるかで、クラス○○○と呼ばれます。

- ◆クラス1000...微粒子が1000個以下。
- ◆クラス10000...微粒子が10000個以下。

■ クラス別の主な作業 (参考)

クラス10	クラス100	クラス1000	クラス10000
半導体の結晶精製・拡散			
		電子機器組立・検査	
エッチング・表面処理・金属蒸着			
		光学レンズ研磨・組立	
		精密機器組立・検査	
		製薬工程・薬剤室	
		無菌室・細菌実験	

オレンジ: エレクトロニクス分野 青: 精密機器分野 緑: バイオ医薬分野

Fits any worksite and processing schedule

Collapsible & movable

The frame size can be increased or expanded to meet the needs of the worksite. Because casters make it easy to move and assemble, it is ideal for short to medium term projects.



Fully extended condition



Fully collapsed condition



Casters allow easy movement by 1 person

Roomy

Roomy working space

The booth capacity is 3.3 to 11 m³, with a generous ceiling height of 2.2 m. If a larger space is needed, multiple booths can be linked.



Working inside the booth



Entrance open / close



Multiple units can be linked (Using CL-901-5 connection tape)

Partitions enable more applications

Partition curtains (CL-901-4) can be used in the booth to use the booth for multiple applications. For example, one part can be used as a dressing room or preparation room, etc.

Work room in the rear



Interior image

Use the front area as a preparation room

PARTITION CURTAIN (CL-901-4)

Antistatic PVC sheet

The sheet contains an antistatic agent that repels dust.



Pipe with ground terminal

User-assembled product

Easy to assemble. Can be assembled by 3 workers in 30 minutes.



Slim fan filter unit

Fan filter unit with built-in HEPA filter and pre-filter. Its compact size maximizes the usable interior space.



Cutters & Pliers

Wire strippers

Crimpers

Tweezers

Screwdrivers & Wrenches

Metal working

Parts boxes

Tool cases

Tool kits

Soldering irons & Solder

Parts & Solder removal equipment

Measuring instruments

Optical equipment

Antistatic products

Clean products

Chemical products

Maintenance & Safety products

Clean Products

Clean Booth

Rubber blowers

Dusters