

## Characteristics



Pharma Applications



Cleanroom Compatible



Wet and Dry Recovery



ULPA - Included



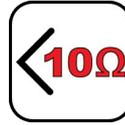
High Efficiency



Static Dissipating



Stainless General



Less than 10 ohms



- New Generation cleanroom vacuum cleaner for wet & dry recovery
- Designed specifically for the pharmaceutical, semiconductor and microelectronics industry
- Compatible with ISO Class 4 cleanroom conditions as defined in ISO 14644-1 (Class 10 as per FED STD 209E)
- Complete Stainless Steel construction with electropolished finish to remove surface contamination. Recovery tank and wheels are autoclavable up to 121°C
- Two stage By-Pass motor provides powerful suction and quiet operation
- Compliant with GMP standards
- Each vacuum is aerosol leak tested before leaving our factory
- Multiple stages filtration system. Simple and reliable filter-change
- Equipped with two Downstream ULPA Filters. ULPA filters are U15 as per EN 1822. One ULPA filter is installed at the working air exhaust and the other is installed at the cooling air exhaust. Two downstream ULPA filters is the only way to ensure cleanroom compatibility of the by-pass motor
- ULPA Filter - With an efficiency of 99.999% on 0.12 micron. Filtration efficiency of 99.9995% on 0.18 micron. Tested: IEST-RP-CC001 - Included
- The primary filters consist of a disposable collection bag (for dry recovery) and a primary filter made of polyester. Filtration Class M as per IEC 60335-2-69
- The recovery tank is made of Type 316 Stainless Steel and is fully autoclavable (up to 121°C) including the white nylon wheels. Static conductive grey wheels (non-autoclavable) are available upon request
- The Stainless Steel floater (liquid cut-off) is detachable for easy dismantling and maintenance. It is also

- autoclavable (up to 121°C)
- Easy storage of the power cord on the powerhead
- A variety of accessories are available, including:  
autoclavable hoses & tools and also ESD safe hoses and tools

## Specifications

CR-1300WD	113200B	113200C	113200E
<b>Model Name</b>	CR-1300WD	CR-1300WD	CR-1300WD
<b>Type (Powerhead)</b>	Electric	Electric	Electric
<b>Voltage</b>	240 V	240 V	240 V
<b>Hertz</b>	50 Hz	50 Hz	50 Hz
<b>Phase</b>	Single	Single	Single
<b>Wattage</b>	1200 W	1200 W	1200 W
<b>Power</b>	1.2 kW	1.2 kW	1.2 kW
<b>Amperage</b>	5 amps.	5 amps.	5 amps.
<b>Air Flow</b>	194 m <sup>3</sup> /h	194 m <sup>3</sup> /h	194 m <sup>3</sup> /h
<b>Vacuum Pressure</b>	2504 mm H <sub>2</sub> O	2504 mm H <sub>2</sub> O	2504 mm H <sub>2</sub> O
<b>Sound Level</b>	65/75 dB(A)	65/75 dB(A)	65/75 dB(A)
<b>Plug Type</b>	European	UK	Chinese
<b>Suction Inlet</b>	38 mm	38 mm	38 mm
<b>Cart Type</b>	4 Wheel Dolly (4W)	4 Wheel Dolly (4W)	4 Wheel Dolly (4W)
<b>Dry Recovery - Tank</b>	38 L	38 L	38 L
<b>Dry Recovery - Disposable Filter Bag</b>	19 L	19 L	19 L
<b>Wet Recovery Capacity</b>	38 L	38 L	38 L
<b>Length</b>	61 cm	61 cm	61 cm
<b>Width</b>	53 cm	53 cm	53 cm
<b>Weight (Vacuum Only)</b>	28 kg.	28 kg.	28 kg.
<b>Height</b>	80 cm	80 cm	80 cm
<b>Cord Length</b>	10.6 m	10.6 m	10.6 m
<b>HEPA/ULPA Filter Surface Size</b>	20 253 cm <sup>2</sup>	20 253 cm <sup>2</sup>	20 253 cm <sup>2</sup>
<b>Main Cloth Filter Surface Size</b>	3 480 cm <sup>2</sup>	3 480 cm <sup>2</sup>	3 480 cm <sup>2</sup>
<b>Synthetic Recovery Bag Filter Surface Area</b>	8 217 cm <sup>2</sup>	8 217 cm <sup>2</sup>	8 217 cm <sup>2</sup>

Please note that specifications are subject to change without notice

## Use only recommended tools & accessories



Two (2) Downstream ULPA Filters - Included



CR-1300WD/1400D Main Cloth Filter and Cage - Included



CR-1300WD/1400D Disposable Filter Bag - Included



Stainless Steel Floater (Liquid Cut-Off) - Included



Needle Trap - Optional



Ø1.25" (Ø32mm) Basic Tool Kit for wet & dry recovery - Optional



Ø1.25" (Ø32mm) ESD safe tools and accessories (Kit #2) - Optional



Ø1.25" (Ø32mm) Autoclavable tools and accessories (Kit #3) - Optional

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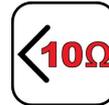
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## Specifications for CR-1300WD

Name	Part Number	Voltage	Hertz	Phase	Wattage	Power	Amperage	Air Flow	Vacuum Pressure	Plug Type	Dry Recovery - Tank	Dry Recovery - Disposable Filter Bag
CR-1300WD	113200B	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m <sup>3</sup> /h	2504 mm H <sub>2</sub> O	European	38 L	19 L
	Dimensions: H80 cm x W53 cm x L61 cm    Weight: 28 kg.    Sound Level: 65/75 dB(A)											
CR-1300WD	113200C	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m <sup>3</sup> /h	2504 mm H <sub>2</sub> O	UK	38 L	19 L
	Dimensions: H80 cm x W53 cm x L61 cm    Weight: 28 kg.    Sound Level: 65/75 dB(A)											
CR-1300WD	113200E	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m <sup>3</sup> /h	2504 mm H <sub>2</sub> O	Chinese	38 L	19 L
	Dimensions: H80 cm x W53 cm x L61 cm    Weight: 28 kg.    Sound Level: 65/75 dB(A)											

Please note that specifications are subject to change without notice

## Technical Sheet for CR-1300WD

FILTERS - Included	
Part #	Description
219372	ULPA FILTER WITH GASKETS ON BOTH SIDES, 99.999% ON 0.12 MICRON, FOR MODELS CR-1300 & CR-1400
215393A	MAIN FILTER ASSEMBLY, WITH LACES (CAGE SOLD SEPARATELY)
218390	WIRE CAGE FOR CLOTH FILTER, STAINLESS STEEL TYPE 304
218063-5	SYNTHETIC RECOVERY BAGS, 10" x 28", 50mm COLLAR (PACKAGE OF 5)

AUTOCLAVABLE FLOATER - Included	
Part #	Description
212710	AUTOCLAVABLE FLOATER CAGE ASSEMBLY

DEFOAMING LIQUID - Included	
Part #	Description
211701B	DEFOAMING LIQUID (BOTTLE) 250 ml(8.5 fl oz.)

Ø1.25" (Ø32mm) TOOL KITS - Optional	
Part #	Description
323306WD	TOOL KIT FOR WET & DRY RECOVERY FOR MODELS CR-1300 & CR-1400
323602	ESD SAFE TOOL KIT #2 FOR CR-1000
323604	AUTOCLAVABLE TOOL KIT #3 FOR MODEL CR-1000

**Ø1.25" (Ø32mm) BASIC TOOL KIT FOR WET & DRY RECOVERY - Optional**

Part #	Description
323403G	CLEAR URETHANE HOSE ASMBLY 1.25"(32mm)x10'(3m) w/1.5" S/S FEMALE CAMLOCK&STRAIGHT CONNECTOR #323445
323331	STAINLESS STEEL WANDS 1.25" 32cm (SET OF 2) - ONE CURVED AND ONE STRAIGHT
323317	UTILITY FLOOR TOOL WITH WHEELS & WITH SQUEEGEE BLADES 1.25"(32mm) x 12"(30cm), BEIGE PLASTIC
323318	UTILITY FLOOR TOOL WITH NYLON BRISTLES 1.25"(32mm) x 12"(30cm), BEIGE PLASTIC
323313	CREVICE TOOL, 1.25"(32mm) x 9"(23cm), BEIG, PVC
323314	UPHOLSTERY FLAT TOOL, Ø1.25"(32mm), PVC
323321	ROUND TOOL, WITH RUBBER BLADES, Ø1.25"(32mm)
323306WD	TOOL KIT FOR WET & DRY RECOVERY FOR MODELS CR-1300 & CR-1400

**Ø1.25" (Ø32mm) ESD SAFE TOOLS AND ACCESSORIES - KIT #2 - Optional**

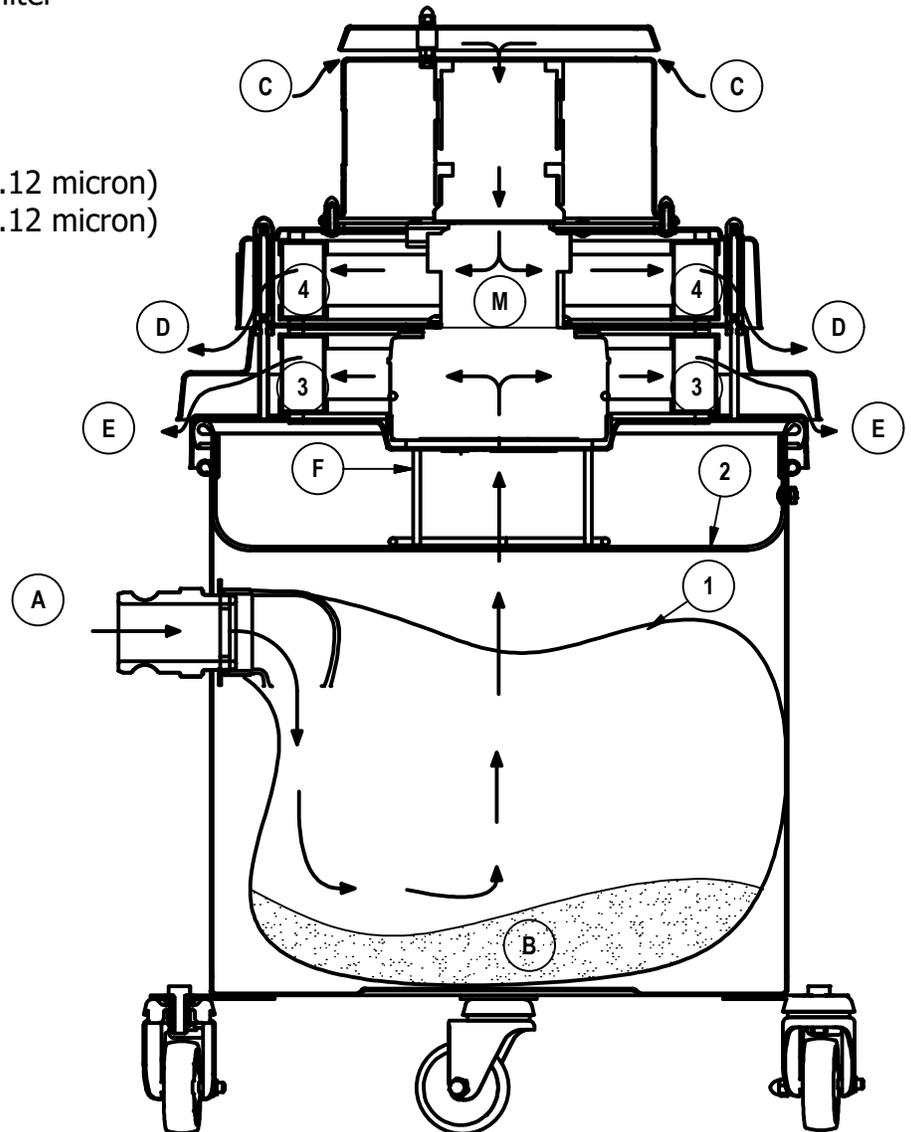
Part #	Description
323316	MICRO TOOL KIT, Ø1.25"(32mm), ESD* SAFE PLASTIC
323608	SUCTION HOSE ASSEMBLY, ESD SAFE, 1.25"(32mm)x8'(2.4m) FOR MODEL CR-1000
323331	STAINLESS STEEL WANDS 1.25" 32cm (SET OF 2) - ONE CURVED AND ONE STRAIGHT
323318A	UTILITY FLOOR TOOL, Ø1.25"(Ø32mm) x 12"(30cm), STATIC CONDUCTIVE PLASTIC w/CONDUCTIVE NYLON BRISTLES
323313A	CREVICE TOOL, 1.25"(32mm) x 9"(23cm), BLACK, ESD SAFE PLASTIC
323312A	ROUND BRUSH, 1.25"(32mm) x 3"(7.5cm), ESD SAFE PLASTIC, WITH HOLE FOR BUTTON LOCK
323321A	ROUND TOOL, WITH RUBBER BLADES, Ø1.25"(32mm), ESD SAFE PLASTIC
323314A	UPHOLSTERY FLAT TOOL, 1.25"(32mm) x 5"(13cm), ESD SAFE PLASTIC
323602	ESD SAFE TOOL KIT #2 FOR CR-1000

**Ø1.25" (Ø32mm) AUTOCLAVABLE TOOLS AND ACCESSORIES - KIT #3 - Optional**

Part #	Description
323462	EPDM SUCTION HOSE ASSEMBLY (AUTOCLAVABLE) 1.25"(32mm)x8'(2.4m) FOR MODEL CR-1000
323331	STAINLESS STEEL WANDS 1.25" 32cm (SET OF 2) - ONE CURVED AND ONE STRAIGHT
323412	FLOOR TOOL ASSEMBLY, AUTOCLAVABLE, 1.25"(32mm) x 12"(30cm), STAINLESS STEEL w/WHITE NITRILE BLADES
323413	CREVICE TOOL, AUTOCLAVABLE, Ø1.25"(32mm)x10"(25.4cm) -STAINLESS STEEL
323565	CONICAL NOZZLE w/CURVED TIP w/SS CONNECTOR INSTALLED 1.25"(32mm)x10"(25cm), CLEAR FOODGRADE SILICONE
323604	AUTOCLAVABLE TOOL KIT #3 FOR MODEL CR-1000

- A: Suction Intake
- B: Recovered Dry Material
- C: Motor Cooling Air Intake
- D: Clean Air Exhaust #1= Motor Cooling Air
- E: Clean Air Exhaust #2= Working Air
- F: Stainless Steel Support Cage For Main Filter
- M: Motor

- 1: Recovery Bag
- 2: Polyester Main Filter
- 3: ULPA Filter (Efficiency of 99.995% on 0.12 micron)
- 4: ULPA Filter (Efficiency of 99.995% on 0.12 micron)



- A: Suction Intake
- B: Recovered Liquid
- C: Motor Cooling Air Intake
- D: Clean Air Exhaust #1= Motor Cooling Air
- E: Clean Air Exhaust #2= Working Air
- F: Autoclavable Floater System
- M: Motor

- 3: ULPA Filter (Efficiency of 99.995% on 0.12 micron)
- 4: ULPA Filter (Efficiency of 99.995% on 0.12 micron)

