Tiger-Vac®
...The name to vacuum with

CR-1400WD/CR-1400D

*Pharma - Wet & Dry or Dry Only Recovery with Stainless Steel Tank

Characteristics

Pharma Applications | Cleanroom Compatible | Dry Recovery | ULPA - Included | High Efficiency | Static Dissipating | Stainless General | Less than 10 ohms

- New Generation cleanroom vacuum cleaner available in dry only or in wet & dry configurations
- 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). The autoclavable floater is standard for the CR-1400WD and optional for the CR-1400D

- 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-1400WD/CR-1400D	113203B	113203C	113203E	113204B	113204C	113204E
Model Name	CR-1400D	CR-1400D	CR-1400D	CR-1400WD	CR-1400WD	CR-1400WD
Type (Powerhead)	Electric	Electric	Electric	Electric	Electric	Electric
Collection Type	Dry only	Dry only	Dry only	Wet & Dry	Wet & Dry	Wet & Dry
Voltage	240 V	240 V	240 V	240 V	240 V	240 V
Hertz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Phase	Single	Single	Single	Single	Single	Single
Wattage	1200 W	1200 W	1200 W	1200 W	1200 W	1200 W
Power	1.2 kW	1.2 kW	1.2 kW	1.2 kW	1.2 kW	1.2 kW
Amperage	5 amps.	5 amps.	5 amps.	5 amps.	5 amps.	5 amps.
Air Flow	194 m^3/h	194 m^3/h	194 m^3/h	194 m^3/h	194 m^3/h	194 m^3/h
Vacuum Pressure	2504 mm H_20	2504 mm H_20	2504 mm H_20	2504 mm H_20	2504 mm H_20	2504 mm H_20
Sound Level	65/75 dB(A)	65/75 dB(A)	65/75 dB(A)	65/75 dB(A)	65/75 dB(A)	65/75 dB(A)
Plug Type	European	UK	Chinese	European	UK	Chinese
Suction Inlet				38 mm	38 mm	38 mm
Cart Type	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)
Dry Recovery - Tank	38 L	38 L	38 L	38 L	38 L	38 L
Dry Recovery - Disposable Filter Bag	19 L	19 L	19 L	19 L	19 L	19 L
Wet Recovery Capacity	L	L	L	19 L	19 L	19 L
Length	66 cm	66 cm	66 cm	66 cm	66 cm	66 cm
Width	62 cm	62 cm	62 cm	62 cm	62 cm	62 cm
Weight (Vacuum Only)	39 kg.	39 kg.	39 kg.	39 kg.	39 kg.	39 kg.
Height	114 cm	114 cm	114 cm	114 cm	114 cm	114 cm
Cord Length	10.6 m	10.6 m	10.6 m	10.6 m	10.6 m	10.6 m
HEPA/ULPA Filter Surface Size	20 253 cm^2	20 253 cm^2	20 253 cm^2	20 253 cm^2	20 253 cm^2	20 253 cm^2
Main Cloth Filter Surface Size	3 480 cm^2	3 480 cm^2	3 480 cm^2	3 480 cm^2	3 480 cm^2	3 480 cm^2
Synthetic Recovery Bag Filter Surface Area	8 217 cm^2	8 217 cm^2	8 217 cm^2	8 217 cm^2	8 217 cm^2	8 217 cm^2

CR-1400WD/CR-1400D	113206B	113206C	113206E
Model Name	CR-1400WD (DT) MRAC	CR-1400WD (DT) MRAC	CR-1400WD (DT) MRAC

Type (Powerhead)	Electric	Electric	Electric
Collection Type	Wet & Dry	Wet & Dry	Wet & Dry
Voltage	240 V	240 V	240 V
Hertz	50 Hz	50 Hz	50 Hz
Phase	Single	Single	Single
Wattage	1200 W	1200 W	1200 W
Power	1.2 kW	1.2 kW	1.2 kW
Amperage	5 amps.	5 amps.	5 amps.
Air Flow	194 m^3/h	194 m^3/h	194 m^3/h
Vacuum Pressure	2504 mm H_20	2504 mm H_20	2504 mm H_20
Sound Level	65/75 dB(A)	65/75 dB(A)	65/75 dB(A)
Plug Type	European	UK	Chinese
Suction Inlet			
Cart Type	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)
Dry Recovery - Tank	38 L	38 L	38 L
Dry Recovery - Disposable Filter Bag	19 L	19 L	19 L
Wet Recovery Capacity	19 L	19 L	19 L
Length	cm	cm	cm
Width	cm	cm	cm
Weight (Vacuum Only)	kg.	kg.	kg.
Height	cm	cm	cm
Cord Length	10.6 m	10.6 m	10.6 m
HEPA/ULPA Filter Surface Size	20 253 cm^2	20 253 cm^2	20 253 cm^2
Main Cloth Filter Surface Size	3 480 cm^2	3 480 cm^2	3 480 cm^2
Synthetic Recovery Bag Filter Surface Area	8 217 cm^2	8 217 cm^2	8 217 cm^2

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

A variety of activated carbon filter cartridges are available for the adsorption of vapors & odors. For use with model CR-1400CR (MRAC

Stainless brackets for Ø1.25" (Ø32mm) wands included with CR-1400. Wands sold separately

Stainless steel tool basket included with CR-1400. Accessories sold separately

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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Pharma Applications

Cleanroom Compatible

Dry Recovery

ULPA - Included

High Efficiency

Static Dissipating

Stainless General

Less than 10 ohms

Specifications for CR-1400WD/CR-1400D

Name	Part Number	Voltage	Hertz	Phase	Wattage	Power	Amperage	Air Flow	Vacuum Pressure	Plug Type	Dry Recovery - Tank	Dry Recovery - Disposable Filter Bag
CR-1400D	**113203B**	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m^3/h	2504 mm H_20	European	38 L	19 L
	Dimensions: H114 cm x W62 cm x L66 cm Weight: 39 kg. Sound Level: 65/75 dB(A)											
Description: Dry Only												
CR-1400D	**113203C**	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m^3/h	2504 mm H_20	UK	38 L	19 L
	Dimensions: H114 cm x W62 cm x L66 cm Weight: 39 kg. Sound Level: 65/75 dB(A)											
Description: Dry Only												
CR-1400D	**113203E**	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m^3/h	2504 mm H_20	Chinese	38 L	19 L
	Dimensions: H114 cm x W62 cm x L66 cm Weight: 39 kg. Sound Level: 65/75 dB(A)											
Description: Dry Only												
CR-1400WD	**113204B**	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m^3/h	2504 mm H_20	European	38 L	19 L
	Dimensions: H114 cm x W62 cm x L66 cm Weight: 39 kg. Sound Level: 65/75 dB(A)											
Description: Wet & Dry												
CR-1400WD	**113204C**	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m^3/h	2504 mm H_20	UK	38 L	19 L
	Dimensions: H114 cm x W62 cm x L66 cm Weight: 39 kg. Sound Level: 65/75 dB(A)											
Description: Wet & Dry												
CR-1400WD	**113204E**	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m^3/h	2504 mm H_20	Chinese	38 L	19 L
	Dimensions: H114 cm x W62 cm x L66 cm Weight: 39 kg. Sound Level: 65/75 dB(A)											
Description: Wet & Dry												
CR-1400WD (DT) MRAC	**113206B**	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m^3/h	2504 mm H_20	European	38 L	19 L
	Sound Level: 65/75 dB(A)											
Description: Wet & Dry with Middle Ring with Activated Carbon												

CR-1400WD (DT) MRAC	**113206C**	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m^3/h	2504 mm H_20	UK	38 L	19 L
	Sound Level: 65/75 dB(A)											
Description: Wet & Dry with Middle Ring with Activated Carbon												

CR-1400WD (DT) MRAC	**113206E**	240 V	50 Hz	Single	1200 W	1.2 kW	5 amps.	194 m^3/h	2504 mm H_20	Chinese	38 L	19 L
	Sound Level: 65/75 dB(A)											
Description: Wet & Dry with Middle Ring with Activated Carbon												

Please note that specifications are subject to change without notice

Technical Sheet for CR-1400WD/CR-1400D

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 FOR CR-1400D - Optional	
Part #	**Description**
212710CR	AUTOCLAVABLE FLOATER CAGE ASSEMBLY FOR MODEL CR-1400 WD

AUTOCLAVABLE FLOATER FOR CR-1400WD - Included	
Part #	**Description**
212710CR	AUTOCLAVABLE FLOATER CAGE ASSEMBLY FOR MODEL CR-1400 WD

DEFOAMING LIQUID FOR CR-1400WD - Included	
Part #	**Description**
211701B	DEFOAMING LIQUID (BOTTLE) 250 ml(8.5 fl oz.)

ACTIVATED CARBON CARTRIDGE FOR CR-1400WD (MRAC) - Optional	
Part #	**Description**
219493	POLYESTER FILTER ASSEMBLY w/CLAMP TO FIT ON ACTIVATED CARBON FILTER CARTRIDGE
212200B	CARBON CARTRIDGE ASSEMBLY WITH 3mm CARBON (REGULAR)
212200C	CARBON CARTRIDGE ASSEMBLY WITH 3mm MERSORB ACTIVATED CARBON (FOR MERCURY VAPORS)
212200K	CARBON CARTRIDGE ASSEMBLY WITH 3mm KOGC3/KINA3 CARBON (FOR CHLORIDE VAPORS)
212200L	CARBON CARTRIDGE ASSEMBLY WITH 3mm A-3 CARBON (FOR ARSINE AND PHOSPHINE VAPORS)

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

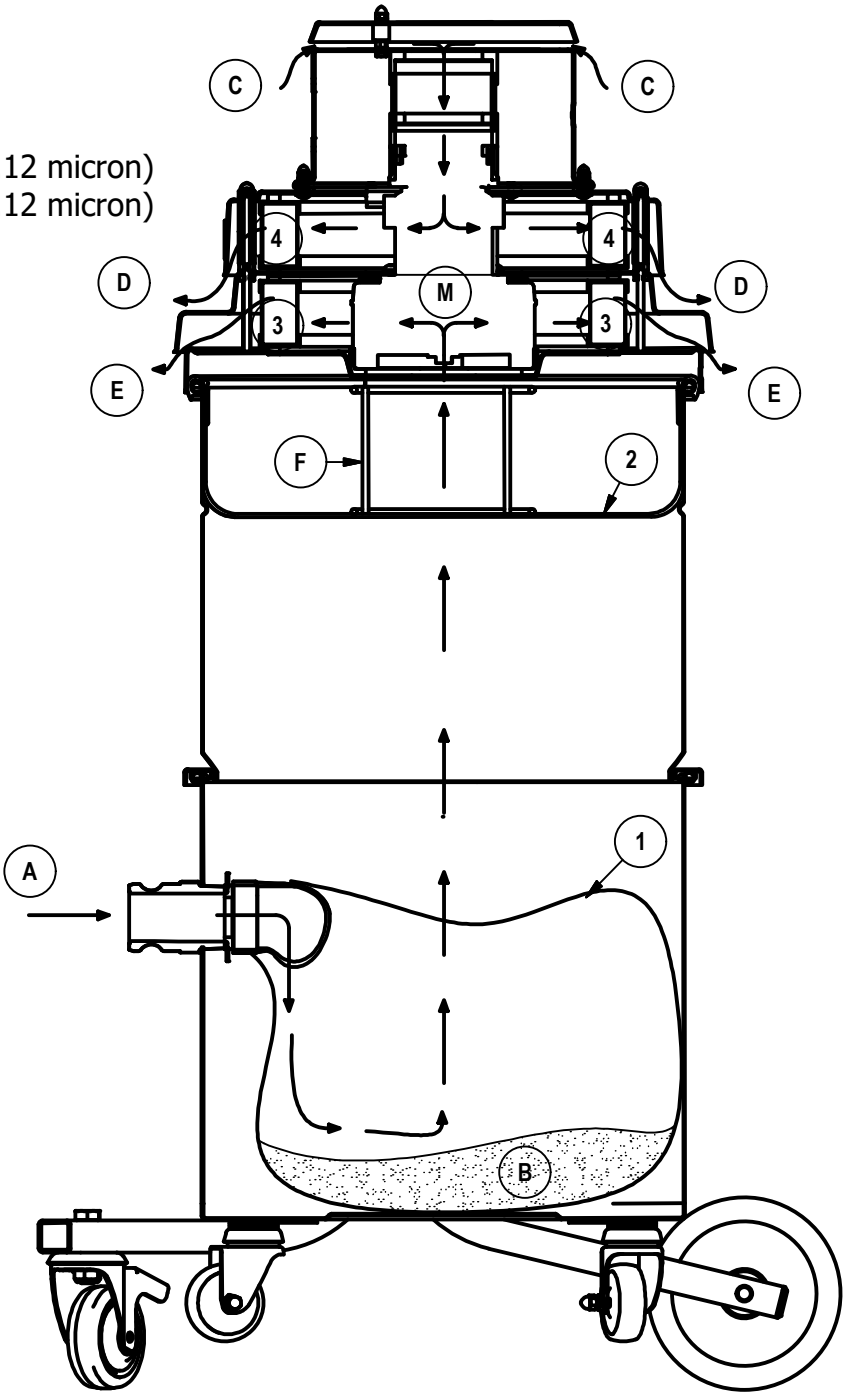
Ø1.25" (Ø32mm) ESD SAFE TOOLS AND ACCESSORIES - KIT #2 - Optional	
Part #	**Description**
323316	MICRO TOOL KIT, Ø1.25"(32mm), ESD* SAFE PLASTIC

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

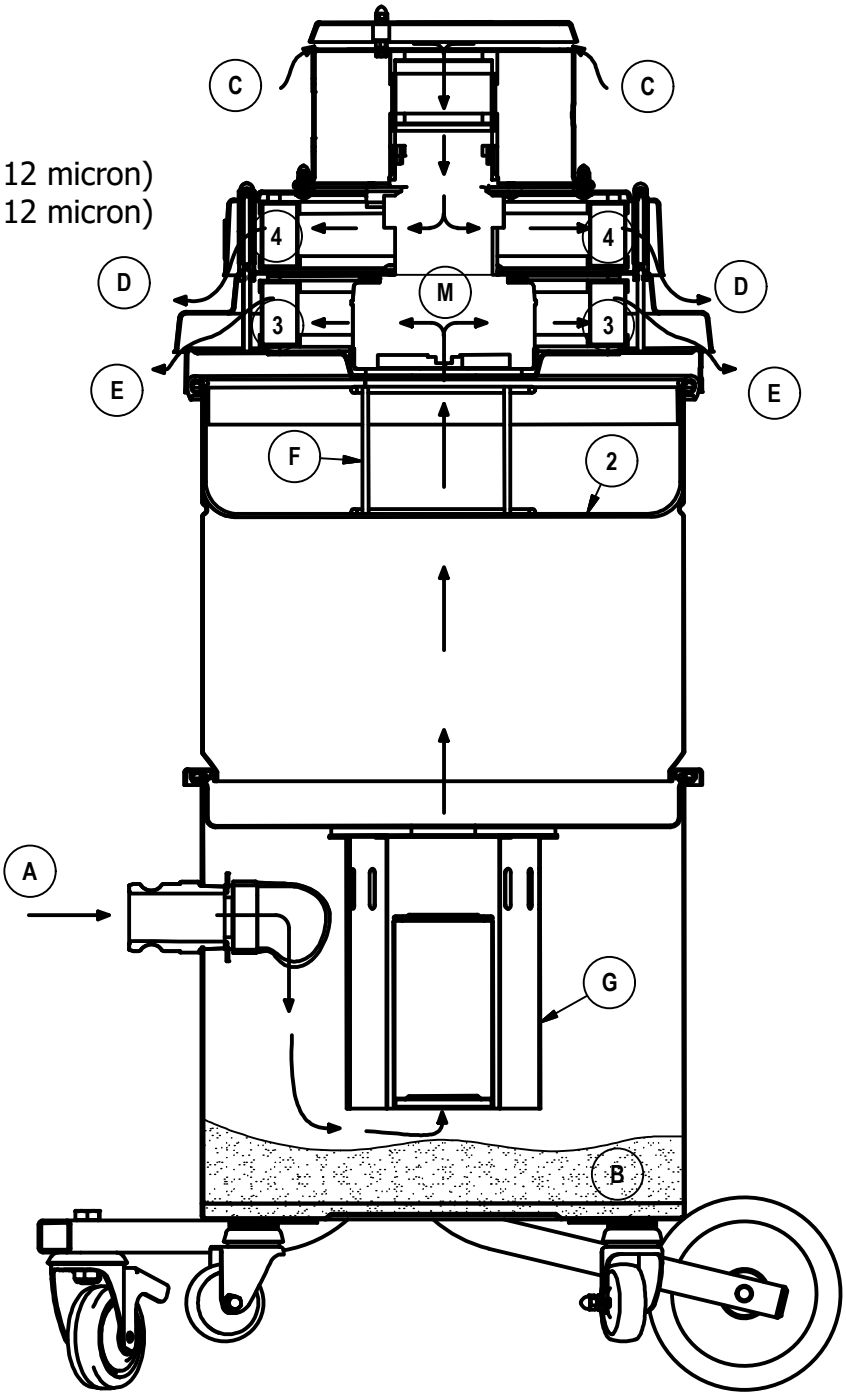
A: Suction Intake
B: Recovered Dry Material
C: Motor Cooling Air Intake
D: Clean Air Exhaust #1= Motor Cooling Air
E: Clean Air Exhaust #2= Working Air
F: Stainless Steel Support Cage for Main filter
M: Motor

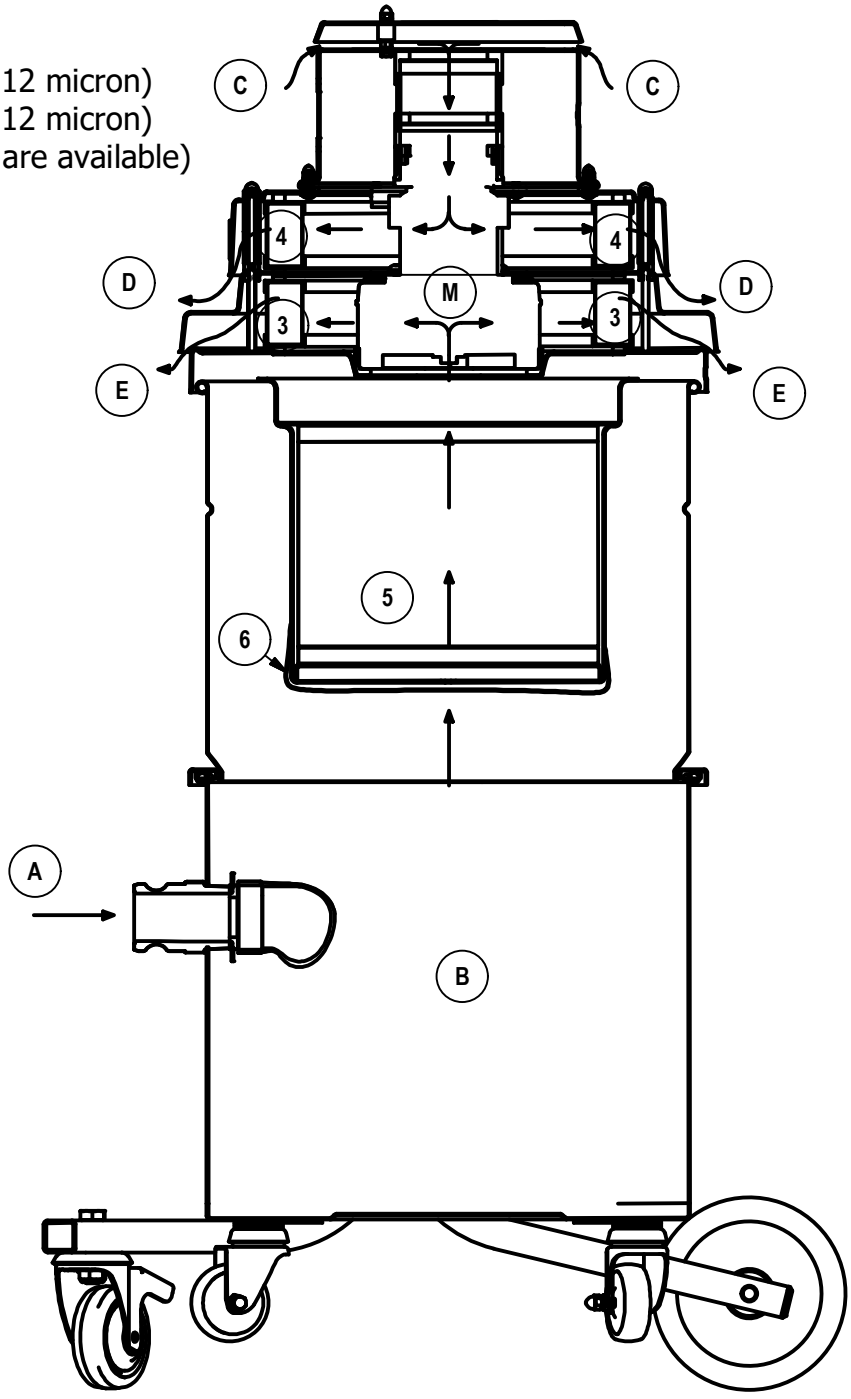
1: Recovery Bag
2: Polyester Main Filter
3: ULPA Filter (Efficiency of 99.995% on 0.12 micron)
4: ULPA Filter (Efficiency of 99.995% on 0.12 micron)



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: Stainless Steel Support Cage for Main filter
G: Autoclavable Floater System
M: Motor

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: Dry or Liquid Recovery System
C: Motor Cooling Air Intake
D: Clean Air Exhaust #1= Motor Cooling Air
E: Clean Air Exhaust #2= Working Air
M: Motor

3: ULPA Filter (Efficiency of 99.995% on 0.12 micron)
4: ULPA Filter (Efficiency of 99.995% on 0.12 micron)
5: Carbon Filter (A variety of carbon filters are available)
6: Cloth Filter