

Characteristics



- 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. U15 by MPPS method as per EN 1822. All of our ULPA Vacuum Cleaners are Aerosol Leak Tested before leaving our facility - Included
- *Cleanroom compatible with ISO Class 4 (former Class 10). Can be used in the pharmaceutical industry
- Static Free and ESD Safe.
- EMI/RFI Shielded
- 5-stage Filtration System includes dual ULPA Filters (U15) (one for the working air and one for the cooling air), Double Cloth filter and Disposable Filter Bags
- Equipped with a Middle Ring with Activated Carbon (MRAC) for the adsorption of toxic/noxious fumes and vapors
- Carbon Cartridge contains 18 lbs (8 kg) of activated carbon pellets. Different types of carbon are available
- Designed for use in Contamination Controlled Environments
- Bypass Heavy Duty motor
- For wet and dry recovery
- Available with a plastic or stainless steel recovery tank.
- Mounted on a 4-wheel dolly for easy maneuverability.
- Includes a complete tool kit.

Specifications

CWR MRAC SERIES	110520B	110520C	110520D	110520E	110524B	110524C
Model Name	CWR-10 (4W) MRAC	CWR-10 (4W) MRAC	CWR-10 (4W) MRAC	CWR-10 (4W) MRAC	CWR-15 (4W) MRAC	CWR-15 (4W) MRAC
Type (Powerhead)	Electric	Electric	Electric	Electric	Electric	Electric
Voltage	240 V					
Hertz	50 Hz					
Phase	Single	Single	Single	Single	Single	Single
Wattage	1050 W					
Power	1 kW					
Amperage	5 amps.					
Air Flow	189 m ³ /h					
Vacuum Pressure	2180 mm H ₂ O					
Sound Level	75 dB(A)					
Plug Type	European	UK	Swiss	Chinese	European	UK
Suction Inlet	50 mm					
Cart Type	4 Wheel Dolly (4W)					
Filter Cleaning	None	None	None	None	None	None
Dry Recovery - Tank	28.4 L	28.4 L	28.4 L	28.4 L	47.3 L	47.3 L
Dry Recovery - Disposable Filter Bag	19 L					
Wet Recovery Capacity	28.4 L	28.4 L	28.4 L	28.4 L	47.3 L	47.3 L
Length	61 cm					
Width	46 cm					
Weight (Vacuum Only)	44 kg.	44 kg.	44 kg.	44 kg.	45 kg.	45 kg.
Height	113 cm	113 cm	113 cm	113 cm	122 cm	122 cm
Cord Length	10.6 m					
CWR MRAC SERIES	110524D	110524E	110528B	110528C	110528D	110528E
Model Name	CWR-15 (4W) MRAC	CWR-15 (4W) MRAC	CWR-15 (4W) POLY MRAC	CWR-15 (4W) POLY MRAC	CWR-15 (4W) POLY MRAC	CWR-15 (4W) POLY MRAC
Type (Powerhead)	Electric	Electric	Electric	Electric	Electric	Electric
Voltage	240 V					
Hertz	50 Hz					
Phase	Single	Single	Single	Single	Single	Single
Wattage	1050 W					
Power	1 kW					
Amperage	5 amps.					
Air Flow	189 m ³ /h					
Vacuum Pressure	2180 mm H ₂ O					

Sound Level	75 dB(A)					
Plug Type	Swiss	Chinese	European	UK	Swiss	Chinese
Suction Inlet	50 mm					
Cart Type	4 Wheel Dolly (4W)					
Filter Cleaning	None	None	None	None	None	None
Dry Recovery - Tank	47.3 L					
Dry Recovery - Disposable Filter Bag	19 L					
Wet Recovery Capacity	47.3 L					
Length	61 cm					
Width	46 cm					
Weight (Vacuum Only)	45 kg.					
Height	122 cm					
Cord Length	10.6 m					

Please note that specifications are subject to change without notice

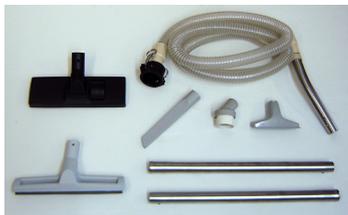
Use only recommended tools & accessories



Activated Carbon Cartridge - Optional



ULPA Filter - Included



CWR Tools and Accessories - Included



CWR Tools and Accessories - Optional



Needle Trap - Optional

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Pharma Applications



Cleanroom Compatible



Wet and Dry Recovery



ULPA - Included



High Efficiency



Static Dissipating



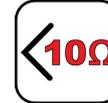
Activated Carbon



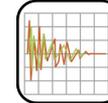
Stainless General



Accessories Included



Less than 10 ohms



EMI Shielded

Specifications for CWR MRAC SERIES

Name	Part Number	Voltage	Hertz	Phase	Wattage	Power	Amperage	Air Flow	Vacuum Pressure	Plug Type	Dry Recovery - Tank	Dry Recovery - Disposable Filter Bag
CWR-10 (4W) MRAC	110520B	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	European	28.4 L	19 L
	Dimensions: H113 cm x W46 cm x L61 cm Weight: 44 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												
CWR-10 (4W) MRAC	110520C	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	UK	28.4 L	19 L
	Dimensions: H113 cm x W46 cm x L61 cm Weight: 44 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												
CWR-10 (4W) MRAC	110520D	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	Swiss	28.4 L	19 L
	Dimensions: H113 cm x W46 cm x L61 cm Weight: 44 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												
CWR-10 (4W) MRAC	110520E	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	Chinese	28.4 L	19 L
	Dimensions: H113 cm x W46 cm x L61 cm Weight: 44 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												
CWR-15 (4W) MRAC	110524B	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	European	47.3 L	19 L
	Dimensions: H122 cm x W46 cm x L61 cm Weight: 45 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												
CWR-15 (4W) MRAC	110524C	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	UK	47.3 L	19 L
	Dimensions: H122 cm x W46 cm x L61 cm Weight: 45 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												
CWR-15 (4W) MRAC	110524D	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	Swiss	47.3 L	19 L
	Dimensions: H122 cm x W46 cm x L61 cm Weight: 45 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												
CWR-15 (4W) MRAC	110524E	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	Chinese	47.3 L	19 L
	Dimensions: H122 cm x W46 cm x L61 cm Weight: 45 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												

CWR-15 (4W) POLY MRAC	110528B	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	European	47.3 L	19 L
	Dimensions: H122 cm x W46 cm x L61 cm Weight: 45 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												

CWR-15 (4W) POLY MRAC	110528C	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	UK	47.3 L	19 L
	Dimensions: H122 cm x W46 cm x L61 cm Weight: 45 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												

CWR-15 (4W) POLY MRAC	110528D	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	Swiss	47.3 L	19 L
	Dimensions: H122 cm x W46 cm x L61 cm Weight: 45 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												

CWR-15 (4W) POLY MRAC	110528E	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m ³ /h	2180 mm H ₂ O	Chinese	47.3 L	19 L
	Dimensions: H122 cm x W46 cm x L61 cm Weight: 45 kg. Sound Level: 75 dB(A)											
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary.												

Please note that specifications are subject to change without notice

Technical Sheet for CWR MRAC SERIES

ULPA FILTER AND ACCESSORIES - Included	
Part #	Description
211027	ULPA FILTER (U15)

HEPA FILTER - INTERNAL - FOR USE WITH MIDDLE RING - Optional	
Part #	Description
211027B	HEPA FILTER 99.995% EFFICIENCY ON 0.3 MICRON (CE VERSION)

FILTERS AND ACCESSORIES - Included	
Part #	Description
211305	DOUBLE CLOTH FILTER ASSEMBLY
211394A	LIQUID FILTER ASSEMBLY WITH STAINLESS STEEL RING

DISPOSABLE FILTER BAGS FOR MODEL CWR-10 (4W) MRAC - Included	
Part #	Description
219028-5	SYNTHETIC RECOVERY BAGS (WHITE) FOR EMI CWR (PACKAGE OF 5)
211840	PVC PIPE CONNECTOR FOR PAPER FILTER BAG -STAINLESS STEEL TANK

DISPOSABLE FILTER BAGS FOR MODEL CWR-15 (4W) MRAC - Included	
Part #	Description
218063-5	SYNTHETIC RECOVERY BAGS, 10" x 28", 50mm COLLAR (PACKAGE OF 5))
211841	PVC PIPE CONNECTOR FOR PAPER FILTER BAG -STAINLESS STEEL TANK

DISPOSABLE FILTER BAGS FOR MODEL CWR-15 (4W) POLY MRAC - Included	
Part #	Description
218063-5	SYNTHETIC RECOVERY BAGS, 10" x 28", 50mm COLLAR (PACKAGE OF 5))
211282	PVC PIPE CONNECTOR FOR PAPER FILTER BAG

ACTIVATED CARBON CARTRIDGE - Optional	
Part #	Description
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)

DRAIN HOSE FOR MODEL CWR-10/15 (4W) MRAC - Included	
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Part #	Description
381093	DRAIN HOSE ASSEMBLY 0.75"(19mm)x5'(1.5m)CLEAR HOSE WITH 0.75"(19mm) STAINLESS STEEL FEMALE CAMLOCK

DRAIN HOSE FOR MODEL CWR-15 (4W) POLY MRAC - Included

Part #	Description
381092	DRAIN HOSE ASSEMBLY 0.75"(19mm)x5'(1.5m)CLEAR HOSE WITH 0.75"(19mm) PVC FEMALE CAMLOCK

TOOLS AND ACCESSORIES FOR MODELS CWR-10/15 (4W) MRAC - Included

Part #	Description
323403	CLEAR URETHANE HOSE ASMBLY 1.25"(32mm) x10'(3m), w/1.5" S/S FFEMALE CAMLOCK, WITH S/S CURVED HANDLE
323330	EXTENSION WANDS, BOTH STRAIGHT, 1.25"(32mm) x 20.5"(52cm), STAINLESS STEEL (SET OF 2)
323311	COMBI TOOL, 1.25"(32mm) x 10.5" (27cm), BEIGE, WITH HOLE FOR BUTTON LOCK
323317	UTILITY FLOOR TOOL WITH WHEELS & WITH SQUEEGEE BLADES 1.25"(32mm) x 12"(30cm), BEIGE PLASTIC
323321	ROUND TOOL, WITH RUBBER BLADES, Ø1.25"(32mm)
323314	UPHOLSTERY FLAT TOOL, Ø1.25"(32mm), PVC
323313	CREVICE TOOL, 1.25"(32mm) x 9"(23cm), BEIG, PVC
211701	DEFOAMING LIQUID (BOTTLE) 909 ml(31 fl oz.)- FOR WET RECOVERY MODE ONLY
211065	GROUND CONTINUITY TESTER

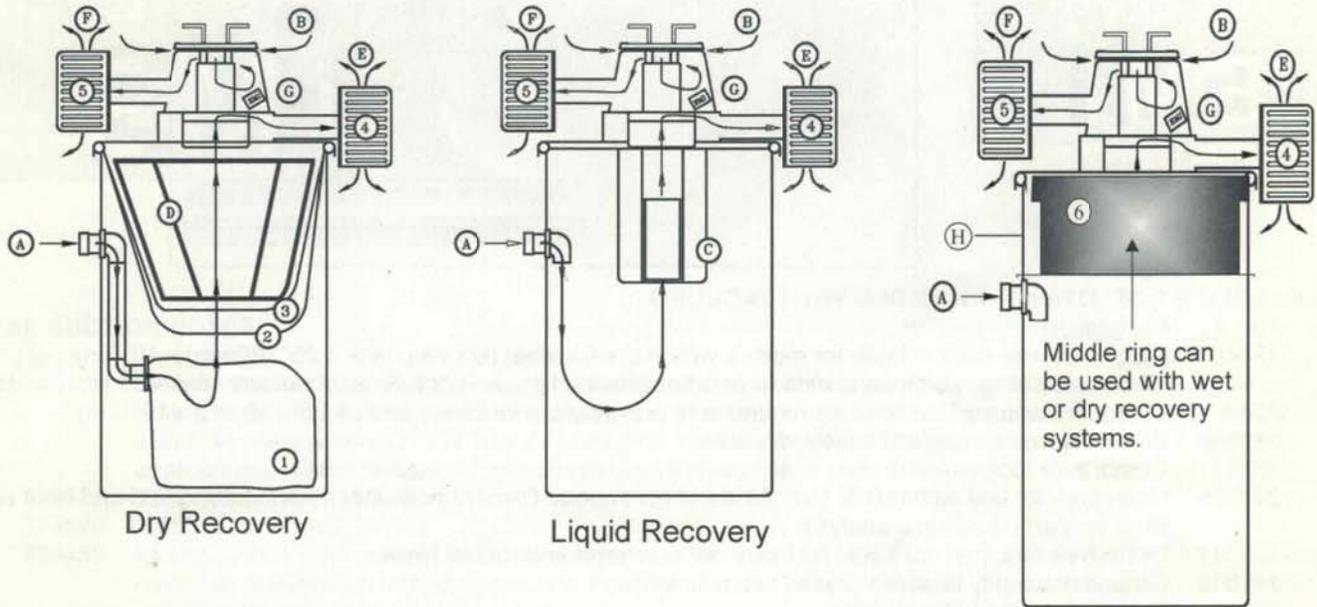
TOOLS AND ACCESSORIES FOR MODEL CWR-15 (4W) POLY MRAC - Included

Part #	Description
323404	SUCTION HOSE ASSEMBLY,1.25"(32mm)x10'(3m)CLEAR URETHANE, ITH SS CURVED HANDLE&PLASTIC FEMALE CAMLOCK
323330	EXTENSION WANDS, BOTH STRAIGHT, 1.25"(32mm) x 20.5"(52cm), STAINLESS STEEL (SET OF 2)
323311	COMBI TOOL, 1.25"(32mm) x 10.5" (27cm), BEIGE, WITH HOLE FOR BUTTON LOCK
323317	UTILITY FLOOR TOOL WITH WHEELS & WITH SQUEEGEE BLADES 1.25"(32mm) x 12"(30cm), BEIGE PLASTIC
323321	ROUND TOOL, WITH RUBBER BLADES, Ø1.25"(32mm)
323314	UPHOLSTERY FLAT TOOL, Ø1.25"(32mm), PVC
323313	CREVICE TOOL, 1.25"(32mm) x 9"(23cm), BEIG, PVC
211701	DEFOAMING LIQUID (BOTTLE) 909 ml(31 fl oz.)- FOR WET RECOVERY MODE ONLY
211065	GROUND CONTINUITY TESTER

NEEDLE TRAP AND ACCESSORIES - Optional

Part #	Description
215500	NEEDLE TRAP ASSEMBLY, STAINLESS STEEL, 2"(50mm) INLET X 1.25"(32mm) OUTLET, ELECTROPOLISHED
500235M	TIGER-CLAW ONLY (TRANSPARENT FOODGRADE SILICONE) Ø2"(50mm)x4.5"(11.5cm)
500231M	CONICAL NOZZLE ONLY (TRANSPARENT FOODGRADE SILICONE) Ø2"(50mm)x7.5"(19cm)

CLEANROOM VACUUM CLEANERS FOR WET & DRY RECOVERY



WET & DRY CLEANROOM VACUUM CLEANERS

- A Suction intake
- B Motor cooling air intake
- C Autoclavable floater system: cuts-off suction when recovered liquids reach capacity
- D Stainless steel support cage for cloth filter
- E Clean air exhaust #1 - for working air
- F Clean air exhaust #2 - for motor cooling air
- G EMI electronic filter suppressor
- H Middle Ring: Allows a variety of carbon filters to be used with the wet & dry cleanroom vacuums. (For use with models CWR-10 and CWR-15)

FILTRATION SYSTEM

1. PAPER FILTER BAG WITH MICRO LINER (one micron efficiency) collects the bulk of recovered materials and keeps other filters free from clogging dust. For dry recovery only.
2. DOUBLE CLOTH FILTER (consisting of two layers):
 DRALON PRE-FILTER prevents caking of fine dust
3. POLYESTER MAIN FILTER (one micron efficiency) prolongs the life of the Ulpa filters.
4. DUAL ULPA (Ultra Low Penetration Air) FILTERS:
 ULPA FILTER for working air with 99.999% efficiency on 0.12 micron. Collects ultra-fine particles that have entered the vacuum system through the suction intake and also filters any contamination generated by the motor fans to ensure clean room compatibility.
5. ULPA FILTER for cooling air with 99.999% efficiency on 0.12 microns. Collects ultra-fine residue generated by the vacuum motor (from carbon brushes, bearings, etc) to ensure clean room Compatibility.
6. CARBON FILTER A variety of carbon filters are available for the adsorption of contaminant vapors and odors. Required when recovering mercury, acids, etc.