



**ATEX 1st Party Certified**  
CE II 3 D  
Ex tc IIIB T200°C Dc IP6X



**Groups F and G** Cleanroom Compatible Dust (Combustible and Toxic/Nuisance)  
**IIIB** Cleanroom Compatible Dust (Combustible and Toxic/Nuisance)

**ESD Safe** Vacuum Cleaners for Hazardous Locations are designed to prevent ignition hazards. We use metal parts or Static Dissipative Powder Coating to prevent Electrostatic Discharge (ESD)

## Characteristics



ULPA - Included



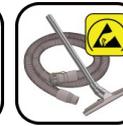
High Efficiency



Static Dissipating



Stainless General



SD Accessories - Included



Dry Recovery



- Available with Brushless Motor where applicable
- Intermittent Housekeeping and General Cleaning.
- Bypass Ametek® long life motor
- EMI/RFI shielded and ESD safe
- 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
- Available with Middle Ring with Activated Carbon (MRAC) for the adsorption of toxic/noxious fumes and vapors
- Includes an indicator light to advise of vacuum blockage.
- Designed to be Autoclavable - SS316 electropolished (except motor housing)

## Specifications

CWR-10 EX (4W)	110540B	110540B-BLSD	110545B
<b>Model Name</b>	CWR-10 EX (4W)	CWR-10 EX (4W) BLSD	CWR-10 EX (4W) MRAC
<b>Type (Powerhead)</b>	Electric	Electric	Electric
<b>Voltage</b>	240 V	220/240 V	240 V
<b>Hertz</b>	50 Hz	50/60 Hz	50 Hz
<b>Phase</b>	Single	Single	Single
<b>Wattage</b>	1050 W	1100 W	1050 W
<b>Power</b>	1 kW	1.3 kW	1 kW
<b>Amperage</b>	5 amps.	8 amps.	5 amps.
<b>Air Flow</b>	189 m <sup>3</sup> /h	215 m <sup>3</sup> /h	189 m <sup>3</sup> /h
<b>Vacuum Pressure</b>	2180 mm H <sub>2</sub> O	2250 mm H <sub>2</sub> O	2180 mm H <sub>2</sub> O
<b>Sound Level</b>	75 dB(A)	75 dB(A)	dB(A)
<b>Plug Type</b>	European	European	European
<b>Suction Inlet</b>	38 mm	38 mm	50 mm
<b>Cart Type</b>	4 Wheel Dolly (4W)	4 Wheel Dolly (4W)	4 Wheel Dolly (4W)
<b>Filter Cleaning</b>	None	None	None
<b>Dry Recovery - Disposable Filter Bag</b>	19 L	19 L	19 L
<b>Length</b>	76 cm	76 cm	cm
<b>Width</b>	46 cm	46 cm	cm
<b>Weight (Vacuum Only)</b>	30 kg.	30 kg.	kg.
<b>Height</b>	64 cm	64 cm	cm
<b>Cord Length</b>	10 m	10.6 m	10 m

Please note that specifications are subject to change without notice

## Use only recommended tools & accessories



CWR-10 EX (4W) MRAC



Static Dissipative Main Filter, Safety Filter and HEPA Filter - Included



Conductive Recovery Bag - Included



CWR EX Tools and Accessories - Included



Activated Carbon Cartridge - Optional



Needle Trap - Optional

### European Headquarters

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**Groups F and G Cleanroom Compatible**  
Dust (Combustible and Toxic/Nuisance)  
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ULPA -  
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High Efficiency



Static  
Dissipating



Stainless  
General



SD Accessories  
- Included



Dry Recovery

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## Specifications for CWR-10 EX (4W)

Name	Part Number	Voltage	Hertz	Phase	Wattage	Power	Amperage	Air Flow	Vacuum Pressure	Plug Type	Dry Recovery - Disposable Filter Bag
<b>CWR-10 EX (4W)</b>	<b>110540B</b>	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m <sup>3</sup> /h	2180 mm H <sub>2</sub> O	European	19 L
	Dimensions: H64 cm x W46 cm x L76 cm    Weight: 30 kg.    Sound Level: 75 dB(A)										
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary. With stainless steel tank.											
<b>CWR-10 EX (4W) BLSD</b>	<b>110540B-BLSD</b>	220/240 V	50/60 Hz	Single	1100 W	1.3 kW	8 amps.	215 m <sup>3</sup> /h	2250 mm H <sub>2</sub> O	European	19 L
	Dimensions: H64 cm x W46 cm x L76 cm    Weight: 30 kg.    Sound Level: 75 dB(A)										
Description: With Brushless Motor											
<b>CWR-10 EX (4W) MRAC</b>	<b>110545B</b>	240 V	50 Hz	Single	1050 W	1 kW	5 amps.	189 m <sup>3</sup> /h	2180 mm H <sub>2</sub> O	European	19 L
	Dimensions: H64 cm x W46 cm x L76 cm    Weight: 30 kg.    Sound Level: 75 dB(A)										
Description: Manufacturer motor performance only on an orifice of Ø2" (Ø50mm). Results may vary. With stainless steel tank.											

Please note that specifications are subject to change without notice

## Technical Sheet for CWR-10 EX (4W)

HEPA/ULPA FILTERS AND ACCESSORIES - Included	
Part #	Description
211854	HEPA FILTER (H14) WITH GASKET, 2"(50mm) HIGH
212304B	HEPA FILTER (H14)
211027	ULPA FILTER (U15)

FILTERS AND ACCESSORIES - Included	
Part #	Description
215393-SD	MAIN FILTER ASSEMBLY, EPITROPIC POLYESTER WITH STAINLESS STEEL BANDS
212244A	SD* MICRO SAFETY FILTER (EPITROPIC POLYESTER w/PTFE) ASSEMBLY WITH CLAMP, FITS HEPA FILTER #212304B

CONDUCTIVE RECOVERY BAG - Included	
Part #	Description
212994-SD64	COLLECTION BAG MADE OF CONDUCTIVE MATERIAL w/64mm COLLAR (PACKAGE OF 3)

**POLY LINER RECOVERY BAGS AND ACCESSORIES - Included**

Part #	Description
212100	CONDUCTIVE POLY LINER FOR 10 GALLON TANK, NO HOLE (INCLUDES TWIST TIE)

**ACTIVATED CARBON CARTRIDGE FOR CWR-10EX (4W) MRAC MODELS - 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)

**TOOLS AND ACCESSORIES - 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)
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
323564	CONICAL NOZZLE ONLY WITH CURVED TIP, Ø1.25"(32mm)x10"(25cm) CLEAR FOODGRADE SILICONE

**SPECIAL SUCTION HOSES - Optional**

Part #	Description
323470	FOODGRADE HOSE ASSEMBLY 1.25"(32mm)x10'(3m) FOR CWR-XX (SMOOTH INSIDE & OUT)
323455	EPDM HOSE ASSEMBLY SD* AUTOCLAVABLE 1.25" x 10' (32mm x3m) w/1.5" s/S SWIVEL CAMLOCK & CURVED HANDLE

**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)