

**CLEANROOM VACUUM CLEANERS, ISO CLASS 4 (US FED STD-209D CLASS 10)
FOR DRY AND LIQUID RECOVERY
SUITABLE FOR PHARMACEUTICAL APPLICATIONS**



Model CWR-8 (4W)

- With dual ULPA filtration to filter both the working and cooling air. Each ULPA filter is individually laser tested to ensure 99.999% efficiency on 0.12 micron. Dual ULPA filter system ensures cleanroom compatibility and allows for maximum suction power.
- Made entirely of stainless steel for easy decontamination and excellent corrosion resistance.
- With autoclavable recovery tanks (stainless steel) and autoclavable floater system. Designed for applications where liquids and detergents are to be recovered in a controlled environment.

- Ideal for a variety of cleanroom environments, including: Pharmaceutical, Semiconductor, Microelectronic, Medical, Bio-medical, etc.
- Static free and ESD safe. Tiger-Vac wet & dry cleanroom vacuums are designed to be grounded during use. With electrical resistivity less than 10 ohms, any static produced while vacuuming is quickly and effectively discharged to ground.
- EMI / RFI shielded: will not disrupt computers and sensitive electronic equipment

Toll free telephone: 1 800 668-4437
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Powerhead with dual ULPA filtration



Autoclavable floater system for model CWR-8: cuts-off suction when recovered liquids reach capacity



Autoclavable recovery tank for model CWR-8 (4W)

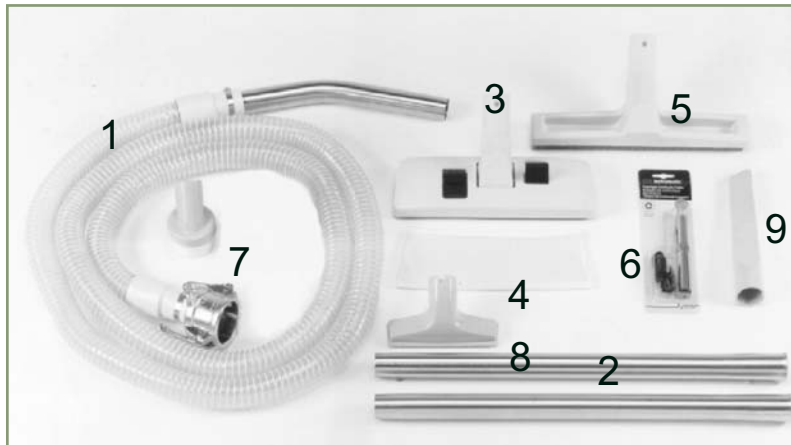


Dry recovery system: includes double cloth filter with stainless steel cage, paper filter bag and connector for paper filter bag

	120V 50/60 Hz	240V 50/60 Hz
Electrical Requirements		
Power	1000 watts	1050 watts
Current Draw	8.5 amps	5 amps
Performance		
Airflow	100 cfm	48 l/sec
Vacuum Pressure	90" H ₂ O	2100 mm H ₂ O
Filtration / Filter Area		
ULPA filter (dual)	2736 inches ²	17 652 cm ²
Pre-filters (dry recovery)	1035 inches ²	6 680 cm ²
Total filter area (dry)	3771 inches ²	24 332 cm ²

Dimensions	
Lenght	18.5" (47 cm)
Height	30" (76 cm)
Weight	50 lbs. (23 Kg)
Recovery Capacity	
Tank	6½ gallons (26 liters)
Paper Bag (dry recovery)	2½ gallons (10 liters)

Ø 1¼" (Ø32mm) Accessories Included (Autoclavables accessories available)



Item	Part #	Description
1.	323403	Clear urethane suction hose for models with stainless steel recovery tank 1.25" (32mm) x 10' (3m). Static dissipating, abrasion resistant, very flexible and light weight. Assembled with stainless steel ends.
	323404	Clear urethane suction hose for models with polyethylene recovery tank. 1.25" (32mm) x 10' (3m).
2.	323330	Extension wands (set of 2), stainless steel
3.	323311	Combi floor tool, PVC
4.	211066	Micro pad, for use with combi tool. Made of continuous filament polyester mesh. Laundered and heat sealed. Ideal for particle sample analysis.
5.	323317	Utility floor tool, PVC, for liquid recovery. With wheels and rubber blades
6.	211065	Ground continuity tester (batteries not included)
7.	323321	Round tool with rubber blades
8.	323314	Flat tool, PVC
9.	323313	Crevice tool, PVC
	211701	De-foaming liquid 31 fl. oz. (909 ml) - NOT SHOWN

CLEANROOM VACUUM CLEANERS, ISO CLASS 4 (US FED STD-209D CLASS 10)
FOR DRY AND LIQUID RECOVERY
SUITABLE FOR PHARMACEUTICAL APPLICATIONS



Model CWR-10/15 (4W)

- With dual ULPA filtration to filter both the working and cooling air. Each ULPA filter is individually laser tested to ensure 99.999% efficiency on 0.12 micron. Dual ULPA filter system ensures cleanroom compatibility and allows for maximum suction power.
- Made entirely of stainless steel for easy decontamination and excellent corrosion resistance.
- With autoclavable recovery tanks (stainless steel) and autoclavable floater system. Designed for applications where liquids and detergents are to be recovered in a controlled environment.

- Ideal for a variety of cleanroom environments, including: Pharmaceutical, Semiconductor, Microelectronic, Medical, Bio-medical, etc.
- Static free and ESD safe. Tiger-Vac wet & dry cleanroom vacuums are designed to be grounded during use. With electrical resistivity less than 10 ohms, any static produced while vacuuming is quickly and effectively discharged to ground.
- EMI / RFI shielded: will not disrupt computers and sensitive electronic equipment

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Powerhead with dual ULPA filtration



Autoclavable floater system cuts-off suction when recovered liquids reach capacity



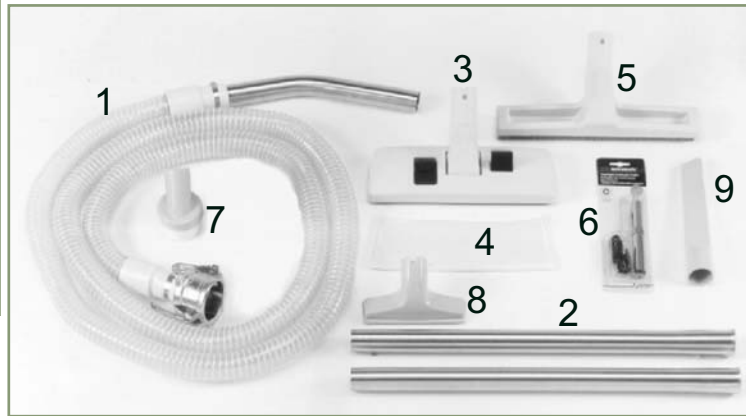
Autoclavable recovery tank.



Dry recovery system: includes double cloth filter with stainless steel cage, paper filter bag and connector for paper filter bag

	Model CWR-10 (4W)	Model CWR-15 (4W)
Dimensions		
Width	19" (48 cm)	19" (48 cm)
Height	34" (86 cm)	39½" (100 cm)
Weight (vacuum only)	62 lbs. (28.5 Kg)	68 lbs. (31 Kg)
Recovery Capacity		
Recovery tank	7½ gallons (28 liters)	12½ gallons (50 liters)
Paper filter bag (Dry only)	5 gallons (19 liters)	5 gallons (20 liters)

	120V 50/60 Hz	240V 50/60 Hz
Electrical Requirements		
Power	1200 watts	1050 watts
Current Draw	10.5 amps	5 amps
Performance		
Airflow	110 cfm	48 l/sec
Vacuum Pressure	110" H ₂ O	2100 mm H ₂ O
Filtration / Filter Area		
Ulpa filter (dual)	2736 inches ²	17 652 cm ²
Pre-filters (dry recovery)	2071 inches ²	13 361 cm ²
Total filter area (dry)	4807 inches ²	31 013 cm ²



Ø 1¼" (Ø32mm) Accessories Included
(Autoclavables accessories available)

Item	Part #	Description
1.	323403	Clear urethane suction hose for models with stainless steel recovery tank 1.25" (32mm) x 10' (3m). Static dissipating, abrasion resistant, very flexible and light weight. Assembled with stainless steel ends.
	323404	Clear urethane suction hose for models with polyethylene recovery tank. 1.25" (32mm) x 10' (3m).
2.	323330	Extension wands (set of 2), stainless steel
3.	323311	Combi floor tool, PVC
4.	211066	Micro pad, for use with combi tool. Made of continuous filament polyester mesh. Laundered and heat sealed. Ideal for particle sample analysis.
5.	323317	Utility floor tool, PVC, for liquid recovery. With wheels and rubber blades
6.	211065	Ground continuity tester (batteries not included)
7.	323321	Round tool with rubber blades
8.	323314	Flat tool, PVC
9.	323313	Crevice tool, PVC
	211701	De-foaming liquid 31 fl. oz. (909 ml) - NOT SHOWN

TIGER-VAC CWR-10/15 (4W)

**CLEANROOM VACUUM CLEANERS, ISO CLASS 4 (US FED STD-209D CLASS 10)
FOR DRY AND LIQUID RECOVERY
SUITABLE FOR PHARMACEUTICAL APPLICATIONS**



Model CWR-10 (4W) MRAC

- With dual ULPA filtration to filter both the working and cooling air. Each ULPA filter is individually laser tested to ensure 99.999% efficiency on 0.12 micron. Dual ULPA filter system ensures cleanroom compatibility and allows for maximum suction power.
- Made entirely of stainless steel for easy decontamination and excellent corrosion resistance.
- With autoclavable recovery tanks (stainless steel) and autoclavable floater system. Designed for applications where liquids and detergents are to be recovered in a controlled environment.
- Ideal for a variety of cleanroom environments, including: Pharmaceutical, Semiconductor, Microelectronic, Medical, Bio-medical, etc.
- The middle ring system allows for a variety of activated carbon filters to be incorporated in the wet & dry cleanroom vacuums for the adsorption of vapors and odors. Ideal for mercury recovery and acid recovery.

- Static free and ESD safe. Tiger-Vac wet & dry cleanroom vacuums are designed to be grounded during use. With electrical resistivity less than 10 ohms, any static produced while vacuuming is quickly and effectively discharged to ground.
- EMI / RFI shielded: will not disrupt computers and sensitive electronic equipment

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Powerhead with dual ULPA filtration



Autoclavable floater system cuts-off suction when recovered liquids reach capacity



Autoclavable recovery tank.



Dry recovery system: includes double cloth filter with stainless steel cage, paper filter bag and connector for paper filter bag



A variety of activated carbon filters are available for use with the middle ring system. Ideal for applications requiring vapor and odor removal: such as mercury recovery and acid recovery.



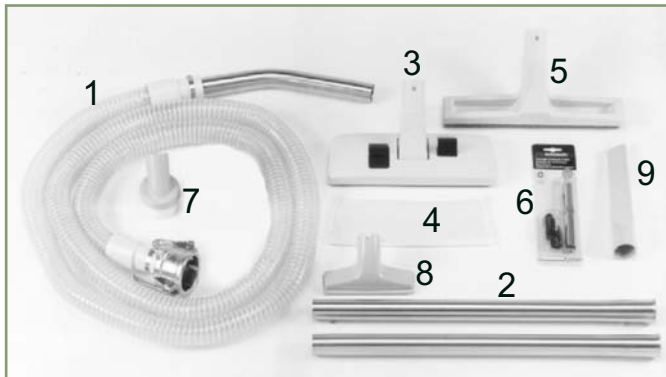
Middle ring (made entirely of stainless steel) allows carbon cartridges to be incorporated into wet & dry cleanroom vacuums. Middle ring is available with or without integrated floater system.

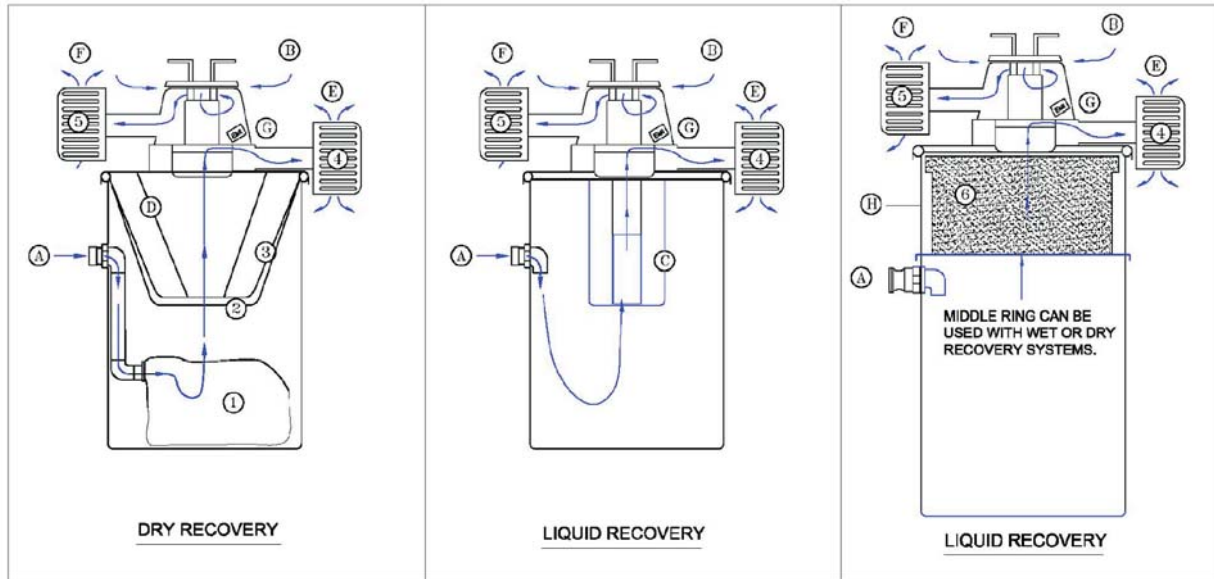
	120V 50/60 Hz	240V 50/60 Hz
Electrical Requirements		
Power	1200 watts	1050 watts
Current Draw	10.5 amps	5 amps
Performance		
Airflow	110 cfm	48 l/sec
Vacuum Pressure	110" H ₂ O	2100 mm H ₂ O
Filtration / Filter Area		
Ulpa filter (dual)	2736 inches ²	17 652 cm ²
Pre-filters (dry recovery)	2071 inches ²	13 361 cm ²
Total filter area (dry)	4807 inches ²	31 013 cm ²

Dimensions	
Length	19" (48 cm)
Height	44.5" (113 cm)
Weight	97 lbs. (44 Kg)
Recovery Capacity	
Tank	7½ gallons (30 liters)
Paper bag (dry recovery)	5 gallons (20 liters)

Ø 1¼" (Ø32mm) Accessories Included
(Autoclavables accessories available)

Item	Part #	Description
1.	323403	Clear urethane suction hose for models with stainless steel recovery tank 1.25" (32mm) x 10' (3m). Static dissipating, abrasion resistant, very flexible and light weight. Assembled with stainless steel ends.
	323404	Clear urethane suction hose for models with polyethylene recovery tank. 1.25" (32mm) x 10' (3m).
2.	323330	Extension wands (set of 2), stainless steel
3.	323311	Combi floor tool, PVC
4.	211066	Micro pad, for use with combi tool. Made of continuous filament polyester mesh. Laundered and heat sealed. Ideal for particle sample analysis.
5.	323317	Utility floor tool, PVC, for liquid recovery. With wheels and rubber blades
6.	211065	Ground continuity tester (batteries not included)
7.	323321	Round tool with rubber blades
8.	323314	Flat tool, PVC
9.	323313	Crevice tool, PVC
	211701	De-foaming liquid 31 fl. oz. (909 ml) - NOT SHOWN





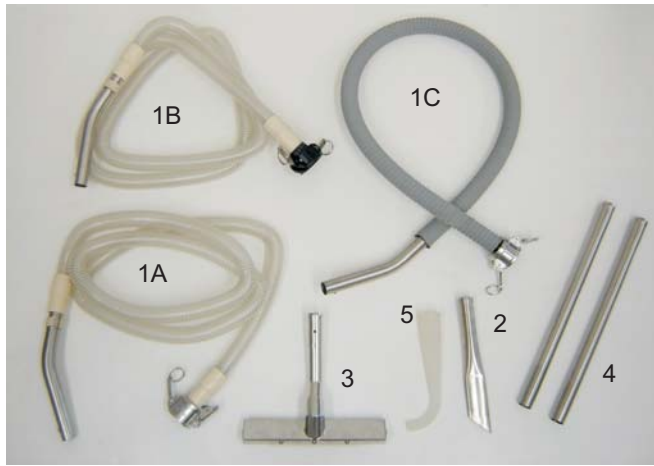
WET & DRY CLEANROOM VACUUM CLEANERS

- 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

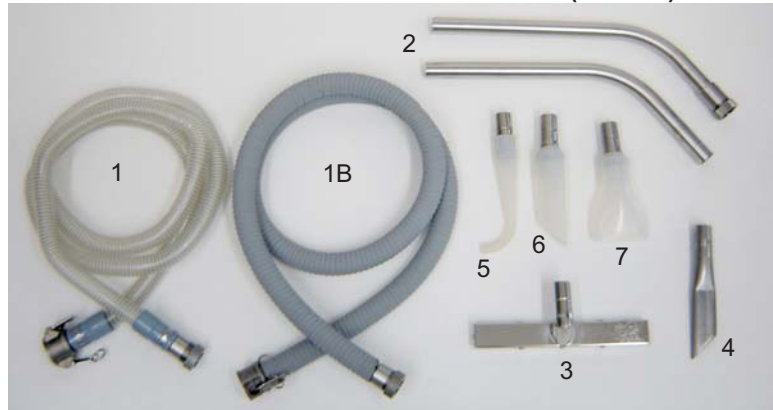
1. PAPER FILTER BAG WITH MICRO LINER (one micron efficiency) collects the bulk of recovered materials and keeps other filters free from clogging dust. For dry recovery only.
 - DOUBLE CLOTH FILTER (consisting of two layers):
 - 2. DRALON PRE-FILTER prevents caking of fine dust
 - 3. POLYESTER MAIN FILTER (one micron efficiency) prolongs the life of the Ulpa filters.
4. DUAL ULPA (Ultra Low Penetration Air) FILTERS:
 - 4. 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.

**OPTIONAL CLEANROOM ACCESSORIES,
FOR DRY & LIQUID RECOVERY Ø1¼" (Ø32mm)**



- 1a. 323403 Clear urethane suction hose for models with stainless steel recovery tank 1¼" (32mm) x 10' (3m). Static dissipating, abrasion resistant, very flexible and light weight. Assembled with stainless steel ends.
- 1b. 323404 Clear urethane suction hose for models with polyethylene recovery tank. 1¼" (32mm) x 10' (3m).
- 1c. 323455 EPDM suction hose (autoclavable) Assembled with stainless steel ends. Ø32mm x 3m
2. 323413 Crevice tool, stainless steel. Autoclavable. Ø32mm x 25cm
3. 323412 Floor tool, stainless steel.. Autoclavable. Nylon wheels with nitrile rubber blades
4. 323330 Extension wands (set of 2), stainless steel Ø32mm x 3m.
5. 323564 Conical tool with curved tip, transparent silicone (food grade) Ø32mm x 25cm
6. 211701 Anti-foaming agent 909 ml. (Not shown)

**OPTIONAL CLEANROOM ACCESSORIES,
FOR DRY & LIQUID RECOVERY Ø1½" (Ø38mm)**



1. 381426 Clear urethane suction hose for models with stainless steel recovery tank. Ø38mm x 3m
- 1b. 381385 EPDM suction hose (autoclavable) Assembled with stainless steel ends. Ø38mm x 3m
2. 381366 Extension wands (set of 2), stainless steel ends. Ø38mm x 1.37m
3. 381370 Floor tool, stainless steel.. Autoclavable. Nylon wheels with nitrile rubber blades Ø38mm x 36cm
4. 381372 Crevice tool, stainless steel.Autoclavable. Ø38mm x 28cm
5. 383464 Conical tool with curved tip, transparent silicone (food grade) Ø38mm x 25cm
6. 383465 Crevice tool, transparent silicone (food grade).Ø38mm x 20cm
7. 383470 Tiger Claw tool, transparent silicone (food grade). Ø38mm x 17.5cm
8. 211701 Anti-foaming agent 909 ml. (Not shown)

CLEANROOM DRAIN HOSES



- 381093 Drain hose for models with stainless steel tank. Ø 0.75" (19mm) x 5' (1.5m). Clear PVC.
- 211815 Drain hose, EPDM. Autoclavable. Ø19mm x 1.5m
- 381092 Drain hose for models with polyethylene tank. Ø 0.75" (19mm) x 5' (1.5m). Clear PVC. (Autoclavable drain hoses also available)