



Legally Certified for use in
NFPA (NEC) 70-500:
Class I - Groups C and D and
Class II - Groups E, F & G

Tiger-Vac®
...The name to vacuum with

Explosion Proof & Dust Ignition Proof Cleanroom Vacuum Cleaner Systems

Electrically Operated



EXP1-10/15 CR



EXP1-10 CR-MRAC

Pneumatic (Air) Operated



SS-10/15 CR



SS-10 CR-MRAC

- Ideal for pharmaceutical, semiconductor and microelectronic plants as well as for medical and biomedical facilities and for the aerospace industry.
- Models EXP1-10/15 CR are single phase vacuum cleaner systems certified CSA for North America and ATEX for Europe.
- Models SS-10/15) CR uses a venturi system to transform compressed air into powerful suction without the use of electricity. Tiger-Vac's venturi system has no moving parts and generates no heat for trouble free operation without wear. These units are ATEX certified and meet the requirements for Class I - Groups C & D and Class II - Groups E, F & G.
- All stainless steel 304/316 construction
- Designed for both wet and dry recovery
- Compatible with ISO Class 4 (former class 10) cleanroom applications
- ULPA filter 99.999% @ .12 micron rated 100 CFM (47 l/s) Filter efficiency of 99.9995% on 0.18 micron. Tested in accordance with IEST RP-CC 001.3 . The ULPA filter is located at the exhaust venting port (downstream).
- Includes an autoclavable recovery tank and standard accessories made entirely of stainless steel.

MRAC (Middle Ring with Activated Carbon)

- Designed for the adsorption of toxic/nuisance fumes and vapors through an activated carbon system. For both wet and dry applications.
- All models include all the features listed above as well as carbon cartridge # 212200B wich contains 18lbs of 3mm regular ctivated carbon for solvent vapors. Several other types of activated carbon filters are available for special applications.

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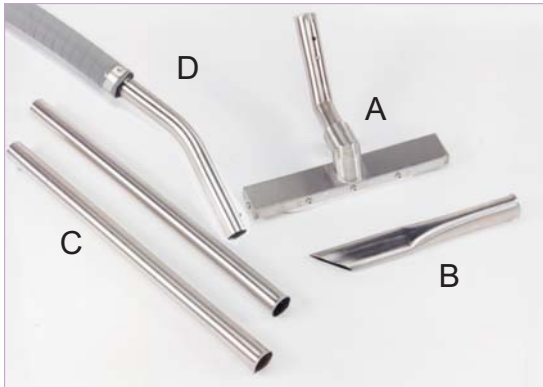
TECHNICAL SPECIFICATIONS

Electrical Requirements Power Current Draw	120V 60 Hz 1000 Watts 9 amps	230V 50 Hz 1000 Watts 4.5 amps
Performance Airflow@2" (50mm) orifice Waterlift@sealed orifice	132 ft ³ /min 69" H ₂ O	58 l/sec 1554 mm H ₂ O
Recovery Capacity: Liquid: Dry:	7.5 gallons 6 gallons	28 l 23 l
Filtration / Filter Area main filter,SD* ULPA Total filter area (dry)	590 inches ² 2160 inches ² 2750 inches ²	0.38 m ² 1.4 m ² 1.78 m ²
Power Cable /	50'	15m
Suction Intake	1½"	38 mm
Noise level: 75 dB(A) at 6.6' (2m)		

Compressed Air Requirements (for ideal performance) Air Supply Hose Air Pressure Air Volume (min.) Compressor (min.)	½" 80 PSI 45 ft ³ /min. 15 HP	12.5 mm 5.6 Kg/cm ² 21 l/Sec 15 HP
Performance Maximum Airflow Maximum Waterlift	132 ft ³ /min 170" H ₂ O	58l/Sec and + 3302 mm H ₂ O
Recovery Capacity: Liquid: Dry:	7.5 gallons 6 gallons	28 l 23 l
Filtration / Filter Area main filter, SD* ULPA Total filter area (dry)	590 inches ² 2160 inches ² 2750 inches ²	0.38 m ² 1.40 m ² 1.78 m ²
Suction Intake	1½"	38 mm
Noise level: 75 dB(A) at 6.6' (2m)		

*Static Dissipating

Autoclavable Ø 1¼" (32mm) Tools & Accessories (included)



- A 323412 Stainless steel floor tool with rubber blades.
- B 323413 Stainless steel crevice tool.
- C 323330 Stainless steel extension wands (2pc.)
- D 323455 EPDM Suction hose. SD*.Ø1¼" (32mm) x 10' (3m) with stainless steel ends.
- E 211832 Air supply hose ½" x 25' (12mm x 7.5m)
- F Air Supply hose with smooth cover for easy decontamination ½" x 50' (12mm x 15m) is available (optional.) 211835

Autoclavable, Ø1½" (38mm) accessories available upon request.

Activated Carbon Cartridges

	Part No	Description
	212200B	Carbon cartridge with 18 Lbs (8 Kg) of 3mm regular carbon for fuel and solvent vapors
	212200C	Carbon cartridge with 18 Lbs (8 Kg) of 3mm Mersorb brand carbon for mercury vapors
	212200K	Carbon cartridge with 18 Lbs (8 Kg) of 3mm Kina 3 brand carbon for chloride vapors and acid vapors (HF, HCL, etc)
	212200L	Carbon cartridge with 18 Lbs (8 Kg) of 3mm Nusorb A-3 brand carbon for arsine and phosphine Also suitable for certain types of acid vapors

WARNING!

Only tools and accessories provided by Tiger-Vac should be used with this vacuum cleaner. Any other tools used will render the warranty null and void and may cause an explosion which could result in bodily harm. Tiger-Vac will not assume any responsibility for damage that may occur due to the improper use or handling of the vacuum cleaner system.

Please be aware that when recovering metal dusts (Class II - Group E), especially if you are combining more than 1 alloy, that there could be a negative reaction. For this reason we recommend the use of Tiger-Vac Model IT-25 Interceptor Recovery Tank with Parafina Oil.

For complete details please visit our website at WWW.TIGER-VAC.COM or contact one of our technical representatives.

Specifications are subject to change without notice. Tiger-Vac is a registered trademark.