



Legally certified for use in
NFPA (NEC) 70-500
Class I-Groups D and
Class II-Groups E, F and G.

Tiger-Vac®
...The name to vacuum with

**EXPLOSION PROOF AND DUST IGNITION PROOF VACUUM CLEANER SYSTEMS
ELECTRICALLY OPERATED
MODELS CD-4 EX, CD-5 EX (AVAILABLE WITH MFS, MRP)
CLEANROOM COMPATIBLE**



CD-4/5 EX (MFS)
Manual Filter Shaker



CD-4/5 EX (MRP)
Manual Reverse Purge

- All Stainless Steel AISI 304 Construction (AISI 316L electropolished available).
- Cleanroom Compatible.
- Detachable tank, recovery capacity (dry only) 15/26 gallons (60/104 ℓ).
- Disposable static dissipating polyliner available with depressor kit (optional).
- HEPA Filter efficiency of 99.995% @ 0.3 micron. Tested: IEST RP-CC001.3. Rated 700 CFM (330 l/s) or ULPA Filter efficiency of 99.999% @ 0.12 micron. Tested: IEST RP-CC001.3. Filtration efficiency of 99.9995% @ 0.18 micron. Tested: IEST RP-CC001.3. Rated 700 CFM (330 l/s). Compatible with ISO class 4 (former class 10) cleanroom conditions. -AVAILABLE

DESIGN APPLICATION

- Explosion proof / dust ignition proof for dry recovery. Liquids to be recovered into a separate primary recovery tank.
- Controlled environments and hazardous locations such as:
 - Pharmaceutical plants, cleanrooms, food processing industries, packaging facilities,
 - Industries using aluminum, magnesium and other commercial alloys in the fabrication of metal products such as powder, ingot, plate, sheet, strip, ribbon, foil, rod and tubing,
 - Industries involved in the handling of carbon black, coal and coke dust.
- Interceptor Recovery Tank. Conductive dust, including magnesium, aluminum, zirconium, perchlorate powder or any other commercial alloys as well as unspent gun powder, sulphur, heat powder, anode powder or any other explosive dust are recovered into the interceptor tank and are neutralized by liquid immersion. 4 gallons (15 litres) of water or some type of neutralizing liquid is placed into the Interceptor Tank. The recovery capacity of the Interceptor Tank depends on the type of powders being recovered.

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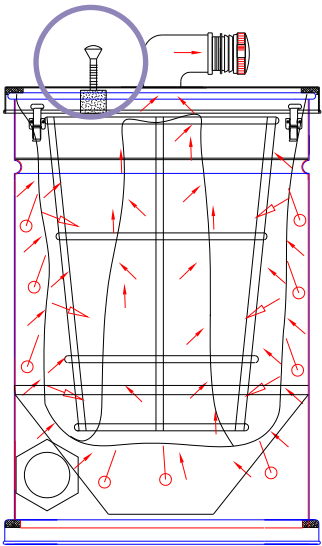
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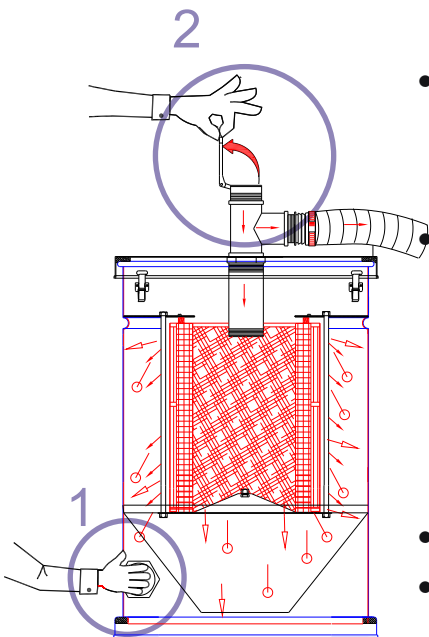
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MANUAL FILTER SHAKER SYSTEM (MFS)

- A filter shaker system for hazardous locations consisting of a safe mechanism operating directly on the stainless steel filter cage in order to dislodge caked on dusts off of the filter. The system is operated by pressing on the ergonomic handle located on the filter chamber.
- The filter can be easily removed from the filter chamber and washed with lukewarm water and mild detergents.
- Static dissipating pre-filter for fine dusts. The pre-filter is installed first. It sits on the lip of the tank and is held in place by an elastic. Made of polyester, it is static dissipating and conductive. The Pre-Filter is washable and reusable.
- The reusable (washable) and conductive polyester filter with a fluorocarbon treatment has a surface area of 14 ft² (13006 cm²).



MANUAL REVERSE PURGE SYSTEM (MRP)

- The Manual Reverse Purge (MRP) allows for the cleaning of caked-on powder off of the filter thus maximizing performance. The filter cleaning is achieved by having the air intake reversed through the filter thus purging the clogged filter.
- The Manual Reverse Purge (MRP) works by :
 - ① Placing a hand over the opening to block the suction intake orifice for approximately 5 seconds while the vacuum is running. (No.1)
 - ② Then quickly open Purge Valve (No.2). Air is now flowing via the valve through to the filter.
 - ③ Keep Purge Valve open for 1-2 seconds then close (repeat above steps 2 or 3 times).
- Reverse Purge System will cause dust to fall off of the filter.
- The filter cartridge is made of conductive spun bond polyester with PTFE membrane and has a surface area of 60 ft² (55 742 cm²)

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.