

Eurovac

Eurovac has a full range of High Volume and High Vacuum Wet Mix Dust Collectors

Wet Mix Dust Collectors for the Safe Removal of Explosive Metals



The Ultimate in Wet Collector Technology

Wet mix dust collectors remove explosive dust by driving the particulate deep into the water via a venturi. Dust then passes through a set of baffles (entrapping the dust in water) which then settles to the bottom of the collector.

Meets NFPA and OSHA guidelines.

Applications

- Processing and finishing of aluminum, magnesium & titanium
- Stainless steel
- Plasma cutting & plasma spraying
- Laser cutting
- Sanding, grinding & cutting with source capture vacuum tools

EUROVAC - HIGH VOLUME CENTRAL WET COLLECTOR *TYPE "A" - SLUDGE RAKE*

- Type "A" Central Wet Collectors are built with a modular design and range in size from 400 to 50,000 CFM at a typical external static pressure of 8" WC suitable for dust collection ports/takeoffs 3" and above.
- Designed for applications where height restrictions require a lower footprint.
- Debris is removed via a sludge rake. A final drain valve is included below the hopper for complete system drainage when needed.
- Optional additions include conveyor waste removal system, water recirculation system and final filtration spray tower system.



Type "A" Central Wet Collectors - Sludge Rake Dust Removal

EUROVAC - HIGH VOLUME CENTRAL WET COLLECTOR *TYPE "B" - DRAIN VALVE*

- Type "B" Central Wet Collectors are built with a modular design and range in size from 400 to 50,000 CFM at a typical external static pressure of 8" WC suitable for dust collection ports/takeoffs 3" and above.
- System design is suitable where height restrictions are not an issue.
- Debris is removed via a drain valve at the bottom of the collector which allows for a simple and fast method of waste disposal.
- Optional additions include automatic waste drainage, water recirculation system and final filtration spray tower system.



Type "B" Central Wet Collectors - Drain Valve Dust Removal



DUCTING & BLEED VALVES

Eurovac has all your duct, fittings and accessory requirements in stock.

EUROVAC I - HIGH VACUUM CENTRAL WET COLLECTORS

- Eurovac I - High Vacuum Central Wet Collectors range in size from 150 to 650 CFM at a typical static pressure of 80" WC suitable for dust collection ports/takeoffs that are 2.5" and below in size.
- The Eurovac I systems come with either a 5HP, 10HP or 20HP induction motor and regenerative blower. Induction motors have a 20,000 hour rating and the pumps and separators are designed to run continuously with little or no maintenance required.
- Ideal for 1 to 8 operators using source capture vacuum ready tools (see bottom of page) or stationary equipment in use at the same time.



EI 5HP, 10HP & 20HP High Vacuum Systems for 1 to 8 pickup points in operation at the same time.

EUROVAC III - HIGH VACUUM CENTRAL WET COLLECTORS

- Eurovac III - High Vacuum Central Wet Collectors range in size from 500 to 5,000 CFM at a typical static pressure of 95" WC suitable for dust collection ports/takeoffs 2.5" and below.
- The Eurovac III systems utilize centrifugal blowers with induction motors ranging in size from 15HP to 150HP. Large aluminum impellers and fabricated one piece housings result in vacuum pumps that are able to offset friction losses on relatively long pipe runs.
- Ideal for 4 to 40+ operators using source capture vacuum ready tools (see bottom of page) or stationary equipment in use at the same time.
- Eurovac's industrial grade induction motors have a 20,000 hour rating.



EIII 15HP - 150HP High Vacuum Systems for 4 to 40+ pickup points in operation at the same time.

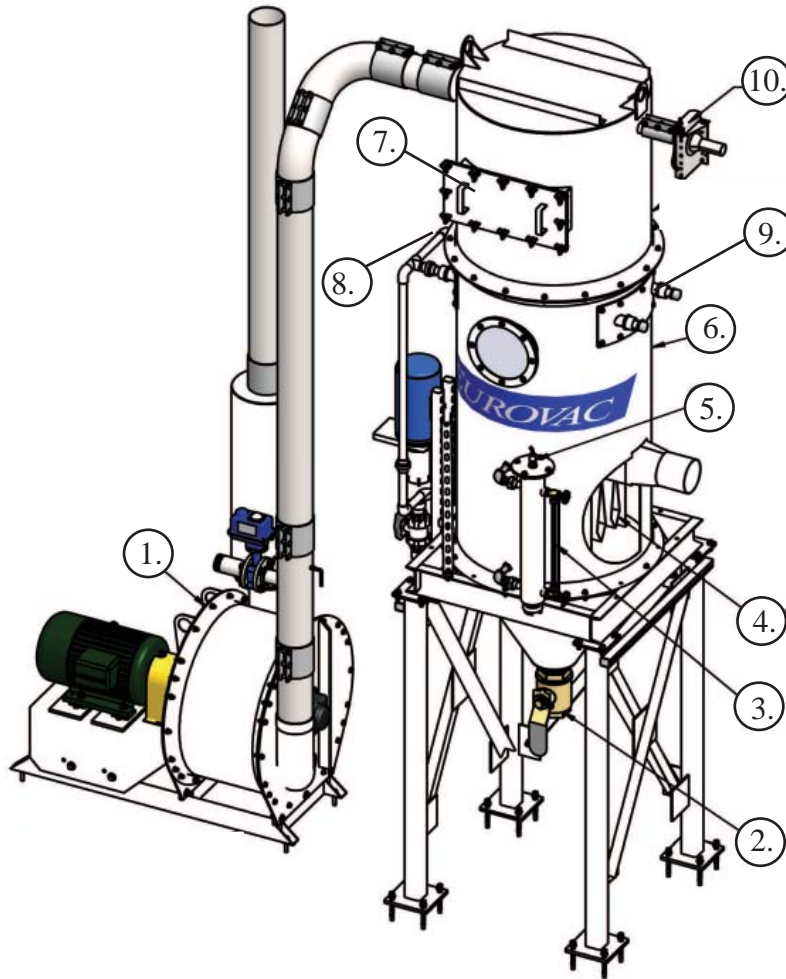
VACUUM ASSIST HAND TOOLS & VACUUM READY SANDPAPER/BACKUP PADS



EUROVAC

How the unit works:

Contaminated air is drawn into the unit through the inlet of the collector and forced down through a venturi deep into the water, capturing and settling a large portion of the dust immediately. Those particles that manage to escape this first stage of water filtration, are forced through curtains of water and are deflected by a series of baffles into the water turbulence, separating the remaining dust/debris. The moist clean air is drawn through a final mist eliminator, where all remaining moisture is eliminated before the high volume or high vacuum fan/blower. The dust which has settled to the bottom of the unit will be removed through a drain valve, rake out hopper or drag bar conveyor.



Legend for above schematic

- | | |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1. High volume or high vacuum blower | 6. Zinc primer & powder coat painted steel.
(optional upgrade to stainless steel) |
| 2. Manual drain valve
(optional upgrade to auto drain valve) | 7. Stainless steel mist eliminator |
| 3. Water level site glass | 8. Hydrogen relief vent (Optional Upgrade) |
| 4. Stainless steel venturi | 9. Spray tower (Optional Upgrade) |
| 5. Automatic water level control system | 10. Water recirculation (Optional Upgrade) |

Specialists in Central Dust
Collection Systems

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