

EUROVAC



WET MIX DUST COLLECTORS (FOR SAFE REMOVAL OF EXPLOSIVE MATERIALS)

EXPERIENCE THE ULTIMATE IN WET COLLECTION 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 settles to the bottom of the collector. All systems meet 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

- Built with a modular design and range in size from 400 to 50,000 CFM with 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 and 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



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

EUROVAC HIGH VOLUME CENTRAL WET COLLECTOR

TYPE "B" - DRAIN VALVE

- Built with a modular design and range in size from 400 to 50,000 CFM with 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



DUCTING & BLEED VALVES

All duct, fittings and accessory requirements are available and in stock.



EI 5HP, 10HP & 20HP High Vacuum Systems

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
- Comes 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 or stationary equipment in use at the same time

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
- Utilizes centrifugal blowers with induction motors ranging in size from 15HP to 150HP (large aluminum impellers and fabricated one piece housing units 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 or stationary equipment in use at the same time
- Industrial grade induction motors have a 20,000 hour rating



EIII 15HP - 150HP High Vacuum Systems

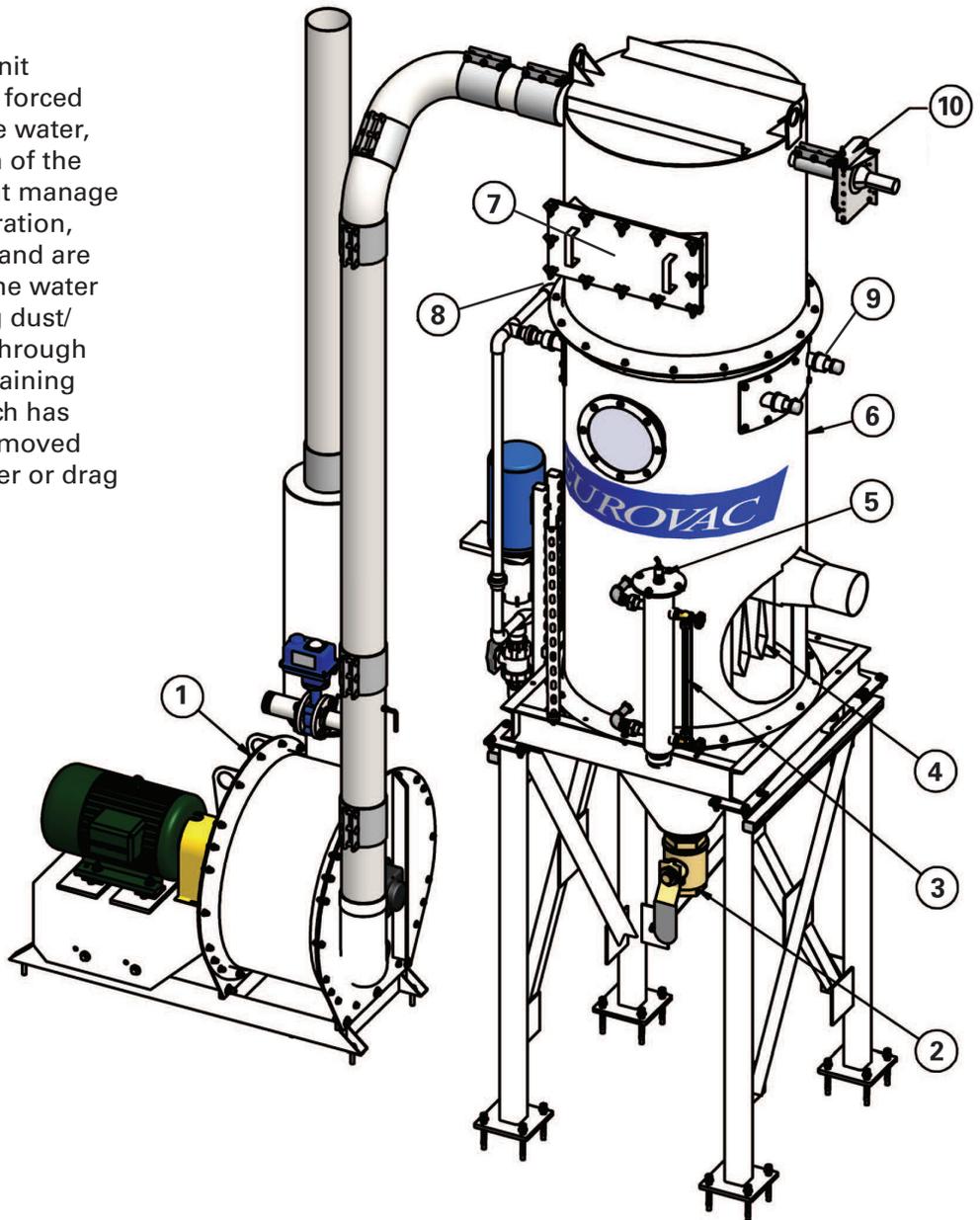
VACUUM-ASSIST HAND TOOLS & VACUUM-READY SANDPAPER/BACKUP PADS



HOW IT 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. The dust which has settled to the bottom of the unit is removed through a drain valve, rake out hopper or drag bar conveyor.

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



***For every need and budget,
trust the dust collection specialists.***

For more information, contact Eurovac:

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