

Ruwac

NA35

WET COLLECTION FOR EXPLOSIVE MATERIALS

IMMERSION SEPARATORS



NA35-100
NA35-110
NA35-1220

Neutralizes 100% of intake material

Safely rules out any risk of explosion

Quenches any possible ignition source that enters the vacuum

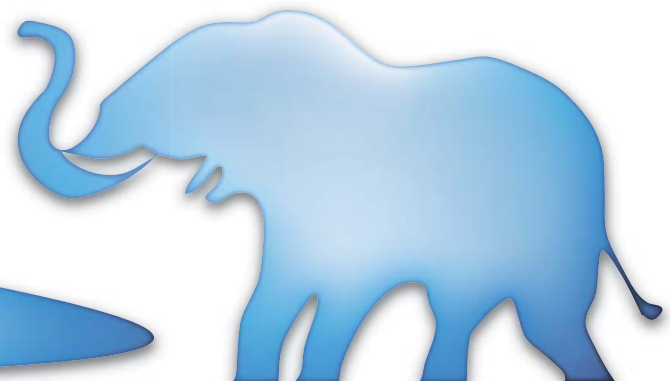
Grounded hoses and tools insure operator safety

Maintenance free modular design provides hassle free filter maintenance

Non sparking, anti-static housing eliminates any risk of static build up or arc



www.WorkDustFree.com



IMMERSION TECHNOLOGY: WET COLLECTION FOR EXPLOSIVE MATERIALS

Ruwac manufactures explosion proof vacuums for use with many different materials and atmospheres. For materials that are sensitive an immersion separation system must be used. Ruwac immersion separation systems are designed to safely collect explosive material, by submerging 100% of material in liquid. When particulate enters the vacuum, it penetrates turbulent water due to the pressure inside the vacuum. The force of this rapidly moving air and water forces all collected material to be submerged. This quenches any possible ignition source from entering the vacuum, allowing for a safe working environment, and eliminating any risk of an explosion.

When would I need an Immersion Separation System?

- ★ When your material may contain an ignition source.
- ★ When your material is explosive and the environment may not be.
- ★ If you are picking up any metallic dusts such as Aluminum, Magnesium, Zirconium, or Titanium.
- ★ If you are currently using wet dust collectors on your process equipment.
- ★ If the material being collected is glowing or sparking.
- ★ If your material is impact sensitive or unstable.

Do I need explosion proof motors and switch gear?

- If your atmosphere is classified as a Class I or Class II atmosphere then
- ★ you will need to insure that the vacuum has the appropriate electronics for use in that atmosphere. Ignition temperature and flash point of the material must also be taken in to consideration.

NA35 SERIES IMMERSION SEPERATORS

Powerful and quiet:

- Rated for continuous duty operation 24/7
- High vacuum performance up to 180 cfm
- High vacuum pressure up 13 Hg
- Silencers with all models

Explosion proof components:

- Non sparking, anti-static
- Dispersion screen, stainless steel
- Grounded hoses and tools
- Stainless steel demisting pad water mist filter

User friendly:

- Modular design: upgradable to HEPA filter
- Low center of gravity
- Durable composite housings (lifetime warranty)
- Mess free emptying (no heavy lifting)
- Sight glass for water level detection
- Hydrogen relief valve
- Hydrophobic filtration (low maintenance)
- Optional power sources (air & electric)

NA35 Series Performance



Technical Data	NA35-110	NA35-1220	NA35-100
Power Source	Electric	Electric	Air *
Voltage	110	208, 230/460	N/A
Horsepower	1.5 HP	3.0 HP	N/A
Motor Type	Single Phase	Three Phase	Single Venturi
Vacuum Pressure	5.0 Hg	5.7 Hg	13 Hg
Air Flow	135 CFM	180 CFM	150 CFM
Main Filter Area	44 sq. ft	44 sq. ft	44 sq. ft
Filter Efficiency	99.9% @ .5 microns	99.9% @ .5 microns	99.9% @ .5 microns
Noise Emission	68 dBA	68 dBA	72 dBA

* Requires 70 PSI and 60 CFM with a 1/2" unrestricted airline to operate.

FEATURES AND BENEFITS OF THE NA 35 SERIES

Vacuum Producer - Single Phase / Three Phase / Air Powered
Multi-stage centrifugal turbine produces more suction using less horsepower any other in its class. The TEFC motor is maintenance free, and rated for continuous duty.

Low Maintenance

Clamps allow for easy and quick access to stainless steel dispersion screen, demisting pad, and hydrophobic filters.

Discharge Hose

Constructed of clear urethane, this static conductive hose easily disconnects to remove sludge and debris build up from inside the vacuum. The hose also doubles as a second source for water level detection.

Hydrogen Relief Valve

Allows for the escape of gases from metals, that would otherwise build up pressure in the vacuum and cause an explosion.

External Sight Glass

Easily monitor water and debris levels with the durable lexan sight glass.

Durable Housings

Constructed with 900 tons of pressure, the compression cast composite housing will not dent, break or rust. The carbon impregnated housing is chemically neutral and static dissipating (<10⁻⁶ Ohms) to eliminate static discharge. Housing is modular to accommodate filter upgrades and is backed by our lifetime warranty.

Sturdy Base

The heavy duty 3" double casters, counterbalanced base, and low inlet provide stability and easy maneuverability. All components have electrical continuity to eliminate static loading.



All of Ruwac's electric NA35 Immersion Separation Systems are supplied with standard dust tight switch gear and TEFC motors. Classified explosion proof motors and switch gear are available and can be presented after a detailed analysis of your application by a certified Ruwac applications engineer. The air powered systems are intrinsically safe and are suitable for all explosion proof environments.

Each NA35 Series Immersion Separator includes the following accessory kit:

151525DEX: Accessory Kit w/ 1.5" hose



- 350025 25' Hose, 1.50" ID
- 3502 54" Wand, SS
- 3507 11" Crevice Tool
- 3520C 3" Round Brush
- 3512AM 14" Floor Brush
- 5225-BL Reducer, 2" to 1.50"

