

# SiMoom

## Diatomaceous earth blending unit

### APPLICATIONS

- Diatomaceous earth filter press operations
- Safer handling of dry additives
- Blending and mixing water-wet products

### BENEFITS

- Removes airborne dust and prevents transmission to work environment
- Enables safer handling of diatomaceous earth
- Helps personnel avoid working and lifting at height
- Minimizes manual handling and exposure to airborne particulates

### FEATURES

- Powerful dust extraction system
- Ergonomic design
- Dust-containment enclosure

The SiMoom\* diatomaceous earth blending unit combines technology for safer handling of dry additives with expertise in vacuum ejector mixing. Designed for securely managing diatomaceous earth for clear fluid filtration operations, the ergonomic unit reduces working and lifting at unsafe heights. It also minimizes manual handling and exposure to airborne particulates. The mixing station can be containerized and custom fitted into existing work locations. All products conveyed by the vacuum control are dispersed into the base liquid and delivered at the ejector mixer.

#### Conveyance Specifications

Product transfer rate	11.1 lbm/min [5 kg/min]
Maximum transfer height	13.1 ft [4 m]
Maximum transfer distance	65.6 ft [20 m]

Design	Standard
Operation classification	ATEX <sup>†</sup> (CAT 2) Zone 1
Transit frame	DNV <sup>‡</sup> 2.7-1
Design	CE <sup>§</sup> compliant

Design Features	Standard
Control unit	Stainless steel
Ejector mixer	Stainless steel
System design	Modular or self-contained

<sup>†</sup> Atmospheric Explosives

<sup>‡</sup> Det Norske Veritas

<sup>§</sup> Conformité Européenne



*Interior and exterior of SiMoom unit.*