

Slurry Eductor



Waste water Treatment



Water Treatment



Flue Gas Treatment

Slurry Eductor

Sodimate liquid/slurry eductors have been installed with a broad range of products such as micro sand, limestone, powder activated carbon, etc.

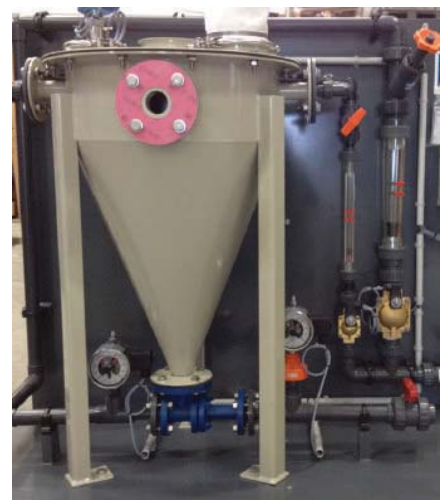
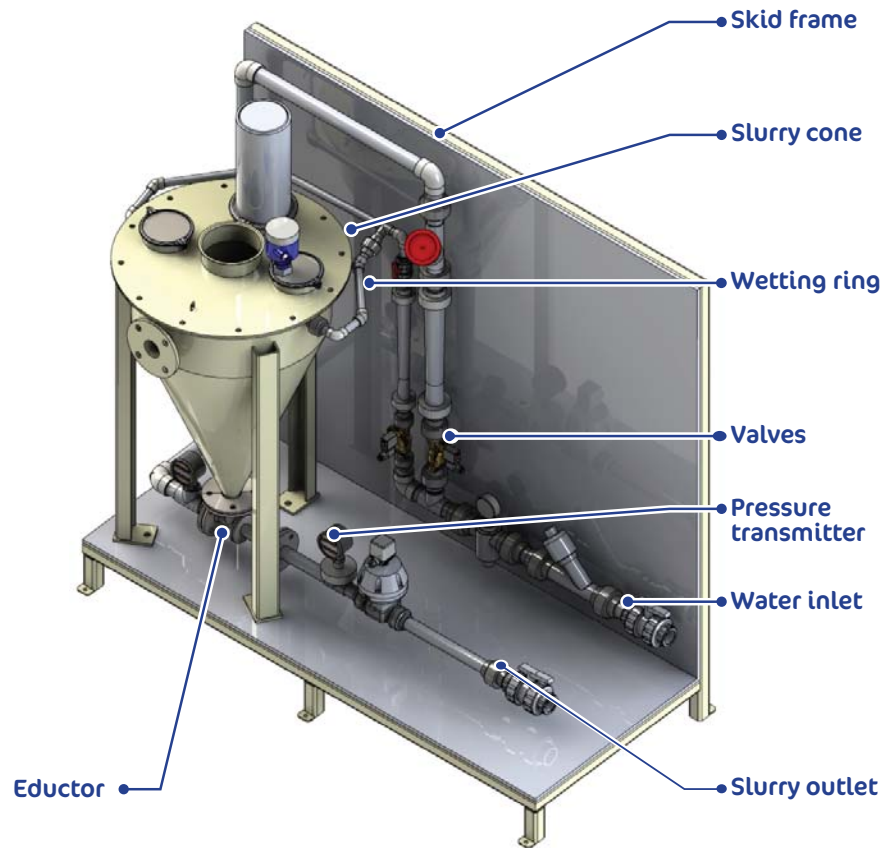
Applications of Sodimate slurry eductors range from adding a few pounds per hour to transporting over thousands of pounds per hour.

Sodimate Slurry eductor eliminates the use of slurry mixing tank, reduces the electrical consumption and floor footprint. The resulting slurry can be transfer horizontally and vertically with few pound of pressure at the process end injection point.



Advantages

- Dust free
- Long transfer distances with elevations and back pressure
- Low energy consumption
- Can be mounted on a skid
- Optional instrumentation



Operation Principle

Sodimate slurry eductors use water or other liquids under pressure as the motive fluid, and operate on the venturi principle to mix dry chemicals into slurries.

Water is constantly injected inside the slurry cone to provide instantaneous hydration, reduce dust, and avoid clumps and 'fish-eyes'. The high-velocity jet of liquid from the eductor nozzle creates a vacuum, which causes the suction of the mixed liquid.

Eductors are an ideal way to continuously produce solutions or well blended slurries and are commonly used in chemical, food, power, pharmaceutical, and waste water applications.

The slurry eductor can be supplied with all necessary flow, pressure, control and regulation instrumentation.



Features

- Slurry transfer without mixing tank
- Can be adapted to existing process
- Dust free unit system

Options

- Contact parts made of stainless steel
- Explosion proof instrumentation
- Skid mounted system

Examples of transferred products
Powder activated carbon
Polymer
Soda Ash
Microsand

Ejector Size	Powder throughput
1"	2.2 gpm max
2"	4.4 gpm max
3"	11 gpm max
4"	22 gpm max