

## Pump skid



Wastewater Treatment



Water Treatment



Flue Gas Treatment

### Pump Skid

In order to convey and inject dry products from long distances, the dry powders are mixed with water to create a slurry. Sodimate designed an optimal turnkey pump skid system that includes pumps, valves, and pressure reducers attached to a frame made of HDPE or steel.

### Operation:

The pump draws the liquid into a pipe due to two rotating and compressing rollers that pinch the reinforced rubber tube. This strong compression creates a vacuum effect at the pump inlet and pushes the slurry through the outlet.

This process ensures that the slurry will only come in contact with the hose, reducing the risk for contamination.

Sodimate pump skids include a flush system to easily clean the pumps when stopped.

Sodimate can also integrate a backup pump with automatic switch for the pump on duty. Centrifugal pumps are integrated per request.

### Advantages:

- Discharge pressure up to 220 PSI
- No contamination with other liquid
- All parts assembled on a single frame





Powder handling expert

## Products conveyed:

- Powdered Activated Carbon
- Hydrated Lime Slurry Sodium Carbonate
- Polymer
- Other dry powders per request

## Features:

The pump skid is a complete set including pumps, valves and analog controllers.

The hoses are made of high quality rubber and reinforced with polyamide to ensure a better lifespan.

Each hose provides high levels of volumetric accuracy for metering applications

## Options:

- Leaking and tube failure detection sensors
- Rollers to operate without lubricant
- Pulsation dampeners
- Made of HDPE, painted carbon steel or stainless steel
- Electric/pneumatic wiring
- NEMA 4X Control panel
- Centrifugal pump skid



Wastewater Treatment



Water Treatment



Flue Gas Treatment

## Single pump skid



## Double pump skid

