

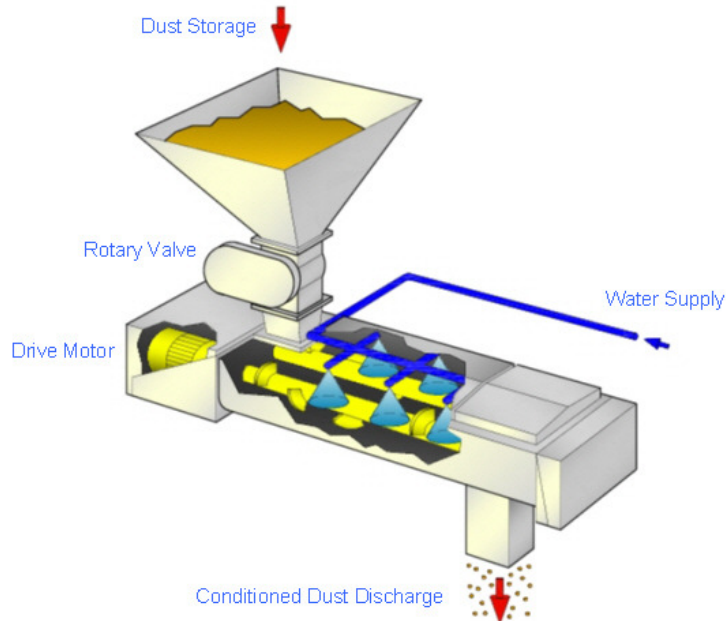
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**A Nalco Company**

**Dust Control Contractors to the Minerals Extraction & Processing Industry**

## ENVIRO DUST CONDITIONER



The Enviro Dust Conditioner is a dust control device designed to add water, or in some cases, a wetting agent to dry granular materials so as to 'dampen down' or condition the product prior to off-loading from a storage hopper or bunker. Water conditioning reduces or in some cases eliminates the release of dust to atmosphere from the product as it falls into an open vehicle, skip or onto the ground below.

It is normal to feed the product volumetrically by means of a rotary valve. The conditioner has a number of paddles mounted on two parallel shafts and these shafts are driven by means of a geared motor. The water is added via a solenoid valve to the product in the conditioner by means of a number of centrifugal sprays and the product and water are mixed together during the passage along the length of the conditioner. A discharge opening is provided at the end of the conditioner.

Featuring:

- ★ Heavy duty construction to suit abrasive products and abrasive applications.
- ★ Quick release top covers to gain access to the spray and paddle area.
- ★ Safety switch on top covers to prevent paddle rotation should covers be removed.
- ★ Centrifugal involute nozzles to reduce clogging.
- ★ Individually adjusted paddle tips for optimum mixing.
- ★ Individually removable paddle tips for convenient replacement or maintenance.
- ★ Solenoid valve and water control valve on pipework to control introduction of water.
- ★ Flanged inlet connection and spigot outlet connection (spigot outlet to suit the fitting of a vehicle loading sock).
- ★ Drive motor and heavy duty gearbox with flexible coupling to drive shaft followed by spur gear drive to the second shaft.



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