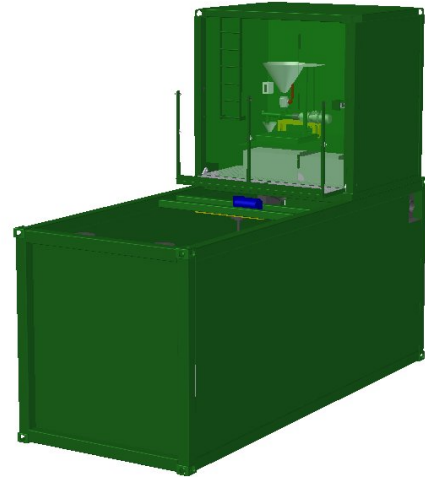


SOLID GRADE FLOCCULANT FEEDER

The SOLID GRADE FLOCCULANT FEEDER is a purpose built compact unit for the mixing of anionic, cationic or non-ionic solid grade polymers with water for use as flocculants. This unit is specifically designed for use in the flocculation of active muds, waste muds, contaminated bentonite muds and other process fluid applications.

The system is situated within a weatherproof enclosure and incorporates a stainless steel feed hopper with loading shelf, mounted over an electric variable speed powder dosing screw. A 3" Bauer connection allows for a water feed to be connected to the unit. The dosing screw discharges powder into the water line where the polymer is wetted. The unit requires mounting above a flocculant mixing and storage tank into which the wetted polymer would fall by gravity. A variable speed positive displacement dosing pump may be used to dose the dilute polymer to the process fluid for flocculation. Flocculant mixing tanks and dosing pumps are available from PSD.



The unit has a heavy duty hollow section frame with lifting eyes for ease of handling. The overall transport size of the system is 2418x2000x2420mm high. A folding platform is fitted for ease of access to the unit. If this unit is supplied with a dosing pump and one of PSD's standard 20' container sized mixing or storage tanks, the SOLID GRADE FLOCCULANT FEEDER and a dosing pump can normally be transported inside the tank.

The SOLID GRADE FLOCCULANT FEEDER is designed to mix solid grade polymers or flocculants with water to provide dilute concentrations. When used in conjunction with a mixing and storage tank, a dosing pump and suitable solid grade polymers, dilute flocculant can be added accurately to the process fluid to achieve successful flocculation.

TECHNICAL DATA:

Electrical: The unit requires power at 415V, 50Hz, 3-phase and earth. Lighting is provided inside the unit. The variable speed dosing screw is powered by a 0.25kW motor and has Direct-On-Line starting. This would have a maximum starting current of 6A and an anticipated maximum running current of 4.0A. The unit is supplied with a 15m power cable. It is recommended that a generator of at least 12.5KVA capacity be used to run this unit. If used with a dosing pump and mixing tank, the additional power requirements should be taken in to account. The unit does not have earth leakage protection.

Overall size: For transit: 2418x2000x2420mm high.

Weight: For transit: 3 Tonnes.

Water inlet: 3" female Bauer connection.

Size with tank: 6058x2438x5011mm high