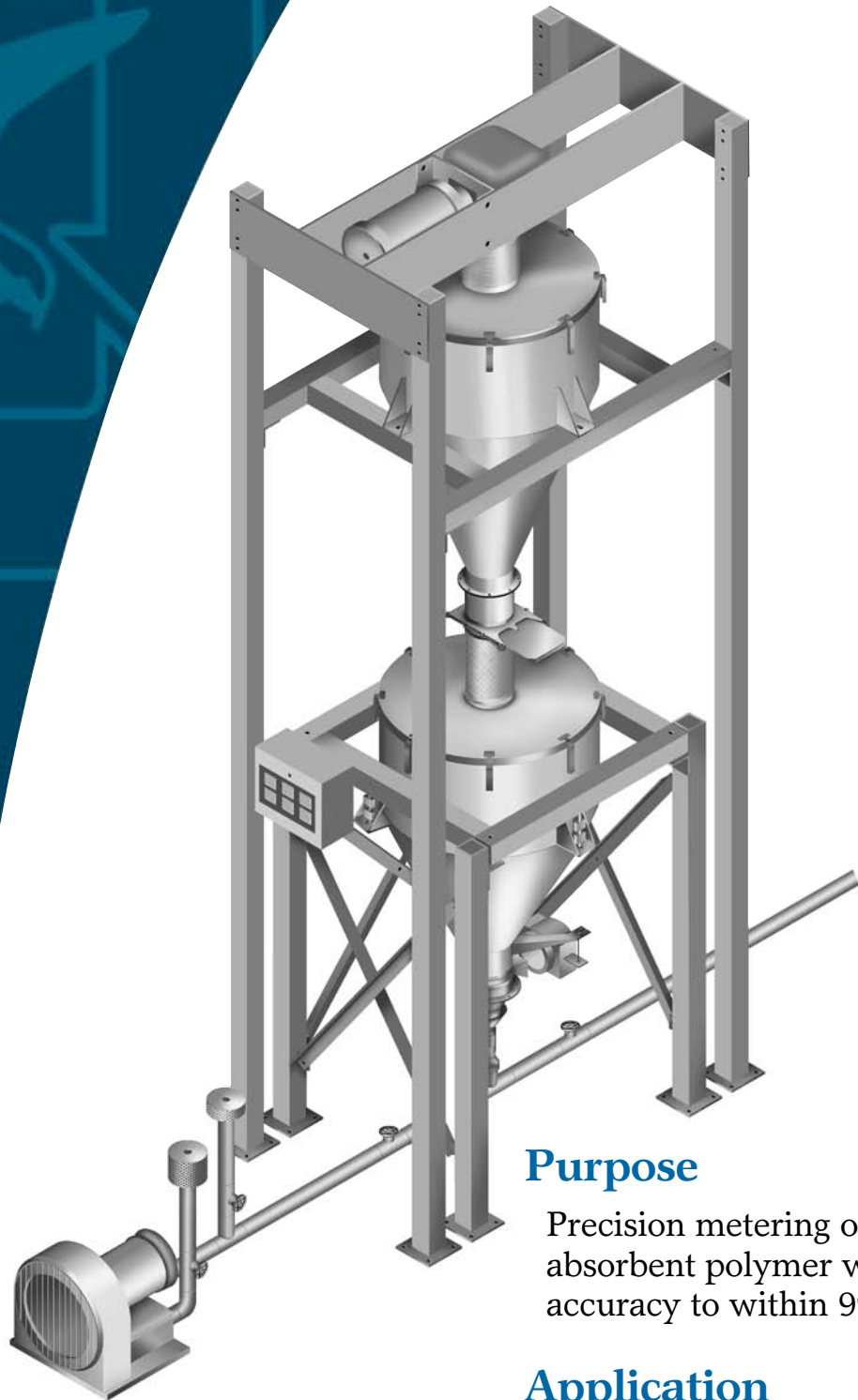


LOSS-IN-WEIGHT SAP METERING UNIT



Purpose

Precision metering of super-absorbent polymer with an accuracy to within 99.5%.

Application

Disposable hygienic production processes.



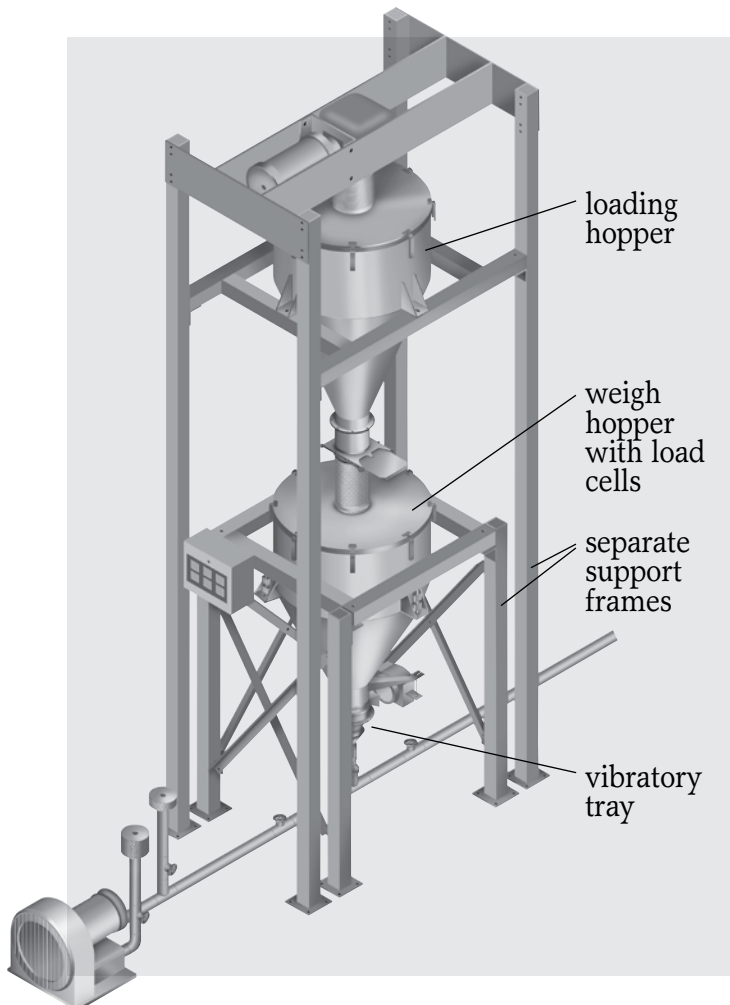
OSPREY
CORPORATION

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LOSS-IN-WEIGHT SAP METERING UNIT

Operation

SAP is metered into the production process by a multi-slot vibratory tray. The flow rate of the SAP is constantly adjusted by a microprocessor controller, which continuously monitors the drop in SAP weight as it exits the hopper above the feed tray. Periodically the hopper is automatically refilled with SAP conveyed from a bulk bag by a screw conveyor or vacuum loader. During this brief period the feeder switches from loss-in-weight metering to volumetric dosing until the hopper is re-filled and stabilized.



Features

- Microprocessor controller for continuous monitoring of SAP weight and adjustment of feed tray vibration.
- Programmable options for initial start-up feed rates.
- Automatically compensates for density changes in SAP material.
- Independent suspension of vibratory feeder tray.
- Heated outlet to prevent humidity build-up.
- Separate support frame for loading and weigh hoppers.
- Pneumatic, butterfly shut-off gate.
- Suitable for retrofit installations using same transport system as the standard Osprey DU-125.

Options

- Remote control panel.

Accuracy: 99.5%.

Electrical Requirements: Operates at world voltages.