EXCELL SERIES 7000S
Dry Polymer Auger Feeder

The EXCELL Series 7000S Dry Polymer Auger Feeder is engineered to provide a reliable means of feeding dry polymers and other difficult to feed materials. The material being fed is vacuumed by the Polyductor suction air flow. This prevents polymer build up. The feed rate is controlled by variable speed gear motor.

The feeder is easy to operate and simple to maintain.

The EXCELL Dry Polymer Auger Feeder Assembly is a modular system. It is available complete with tanks and pumps. It can also be adapted for use with existing tanks.

POLYDUCTOR The Polyductor is a high energy eductor. It was engineered, by **EXCELL**, specifically for polymer service. The Polyductor suctions, disperses, and hydrates the polymer. The suction air flow causes the polymer to enter the Polyductor wetting section with a very high velocity. This results in a finer dispersion and a faster hydration. The dilution water continuously rinses the interior walls to prevent build-up.

SERIES 7000S MODELS

MODEL NUMBER	DRY POLYMER FEED RATE / Hour	WATER FLOW RATE GPH (LPH)
7010S	1 to 25 lbs (0.5 to 11 Kg)	480 to 600 GPH (1800 to 2270 LPH)
7020S	2 to 50 lbs (1 to 22 Kg)	960 to 1200 GPH (3600 to 4500 LPH)
7030S	3 to 75 lbs (1.5 to 33 Kg)	1440 to 1800 GPH (5450 to 6800 LPH)
7040S	4 to 100 lbs (2 to 45 Kg)	1920 to 2400 GPH (7200 to 9000 LPH)
7080S	8 to 200 lbs (4 to 90 Kg)	3840 to 4800 GPH (14400 to 18000 LPH)
7100S	10 to 300 lbs (5 to 135 Kg)	4800 to 6000 GPH (18200 to 22,700 LPH)

TECHNICAL INFORMATION

* The dry polymer suction tube is translucent to allow observation of the polymer flow.
* The standard hopper has a 1.5 ft^3 (42 L) capacity. The top of the hopper is only 30" (76 cm) above grade. It provides a comfortable working height without the use of platforms.
* A hopper screen traps polymer lumps.
* A hopper vibrator assures consistent polymer flow.
* A hopper bottom drain allows complete draining of the hopper contents.
* The feeder frame, the hopper, and the auger are all made of stainless steel. The hopper lid is gasketed.
* A dehumidifying air heater provides low humidity air to the feeder discharge.
* Proximity sensors monitor that polymer is being fed.
* A spring loaded plate keeps the auger discharge sealed until the feeder is operated. The plate is retracted by an air operated cylinder when the auger is in operation.
* The auger feed rate can be easily checked.
* A low flow switch monitors the dilution water flow to the Polyductor. The feeder operates with dilution water pressure from 40 to 100 psi (2.7 to 6.8 bar)
* PLC control, with an operator interface, provides improved reliability.
* The feeder runs on 120 VAC. Power consumption is less than 10 Amps.

AVAILABLE OPTIONS

* Larger capacity hoppers.
* Frame with hoist and trolley to allow the use of bulk bags up to 2000 lbs (900 kg).
* Controls package for filling: A. Tanks that are placed one over the other and gravity drain.
  B. Tanks that are placed next to each other.
  C. One tank.
* Mixing-Aging tanks sized to meet your needs.
* Solution transfer or metering pumps.
* Voltages other than 120 VAC.
* Custom designed to meet your needs.

EXCELL FEEDERS, INC; Somerset, NJ USA
800-250-9037; 732-828-8655; Fax:732-828-2611
www.excellfeeders.com