

Blue River Technologies

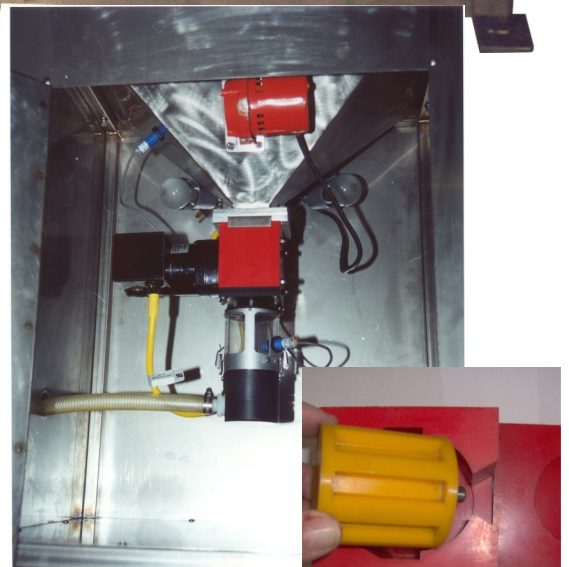
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3.0 Cubic Foot Hopper/Feeder Assembly

TECHNICAL INFORMATION

- The Blue River 3.0 Hopper/Feeder Assembly is designed to precisely meter out polymer from the hopper into a transfer chamber located directly under the feeder. The feeder utilizes a slotted rotor turned by an AC or DC drive gear motor. This arrangement provides a uniform and precise feed rate into the polymer conveyance stream.
- Feeders are available with a 17, 22 and 33 RPM AC drive motor or can be equipped with a 0-25 RPM variable speed DC motor. A variety of rotor sizes are available to allow feeder discharge rates of from 0–125 cubic inches of material per minute.
- The hopper will hold approx 3 cubic feet of material. (Approx 3 Bags) Hoppers are fabricated from 16 ga 304 Stainless Steel. The Enclosure is also 16 ga Stainless Steel and is fitted with a hinged and latched door at the front of the hopper. The hopper includes a removable trash screen and the lid is hinged, latched and includes a gasket. Side panels can be removed for service. The hopper is isolated from the enclosure frame with rubber bushings to provide maximum efficiency for the vibrator.
- The hopper is fitted with an electric vibrator wired to run whenever the feeder motor is operating.
- Lighting is provided inside the enclosure. These lamps also provide heat to reduce problems with humidity.
- A slide valve is fixed under the hopper between the hopper and the feeder to facilitate service of the feeder assembly.
- The transfer chamber is manufactured with a clear acrylic chamber to allow visual inspection for any buildup or plugging. The lower housing of the chamber is equipped with two stainless steel latches to allow easy cleaning or inspection.
- The optional proximity switches located inside the hopper and transfer chamber will trigger an alarm condition in the event of an out of polymer or plugged transfer chamber condition.
- The outside dimensions of this feeder are 28 1/4" X 22 1/4" X 40 3/4" Tall.



**BRT RotoFeed
Polymer Feeder**