

Bulkflo

The Guttridge **Bulkflo** is a large capacity mobile loading hopper with integral screw elevator designed for use within the food, chemical and pharmaceutical industries.

The loading hopper has an integral horizontal discharge screw with an end discharge into the elevating screw. The elevating screw is adjustable from a 90° vertical position down to 70° (or optionally to a horizontal position), thus allowing unique flexibility and onsite convenience. The discharge screw is usually manufactured with a varying pitch to give an even discharge over the hopper length and its speed can be specified to give the required volumetric discharge rate. Optionally a paddle or ribbon type discharge screw can be fitted to agitate the hopper contents.

Ideal for handling pellets, flakes, powders, granules and any free flowing materials. Typical uses include feeding, mixing, processing and packaging machinery or in applications where intermediate storage is needed. The **Bulkflo** can be fed from bags, boxes, drums or big bag systems.

The **Bulkflo** machine is designed, in common with all Guttridge machines, with ease of cleaning and maintenance in mind and has many unique design features.



- *316 Stainless steel contact parts*
- *Adjustable elevating screw angle*
- *Tough powder coated finish on mild steel components*
- *Rapid-release screw tube clamp system for easy clean down*
- *Available with non-standard hopper capacities and 3 elevator sizes*
- *Robust packing gland seals protect bearings against product ingress*

Construction

- The Bulkflo machine is sturdily constructed, using high quality materials throughout. All components are precision punched and fabricated for ease of assembly and interchangeability.
- All contact parts are manufactured from 316 grade stainless steel, external surfaces polished with a uniform grained finish to 180 grit.
- Non-contact parts are manufactured from mild steel with external surfaces powder coated for maximum durability.
- The discharge and elevating screws are separately driven from two geared motor units, IP55 rated.
- Conventional flange bearings support the stainless steel drive shafts which rotate in a packing gland seal to provide an effective seal against most types of products.
- The non-driven shafts run in nylon bushes ensuring a long trouble-free life.

Operation

- Careful attention has been paid to the design of the Bulkflo machine to ensure ease and safety of operation.
- A single Allen key is the only tool necessary for a typical clean-down operation between batches.
- The main tube sections are joined by a special tube clamp which provides a strong and secure joint that can be easily disassembled by undoing a single captive set screw.
- The drive shaft and screw sections are connected using special slip-fit couplings which require no gudgeon bolts making disassembly remarkably quick and easy.
- The Bulkflo elevating screw is designed for use at an incline angle of 70°, adjustable to 90° or optionally to any angle down to horizontal (with appropriate support).

Maintenance

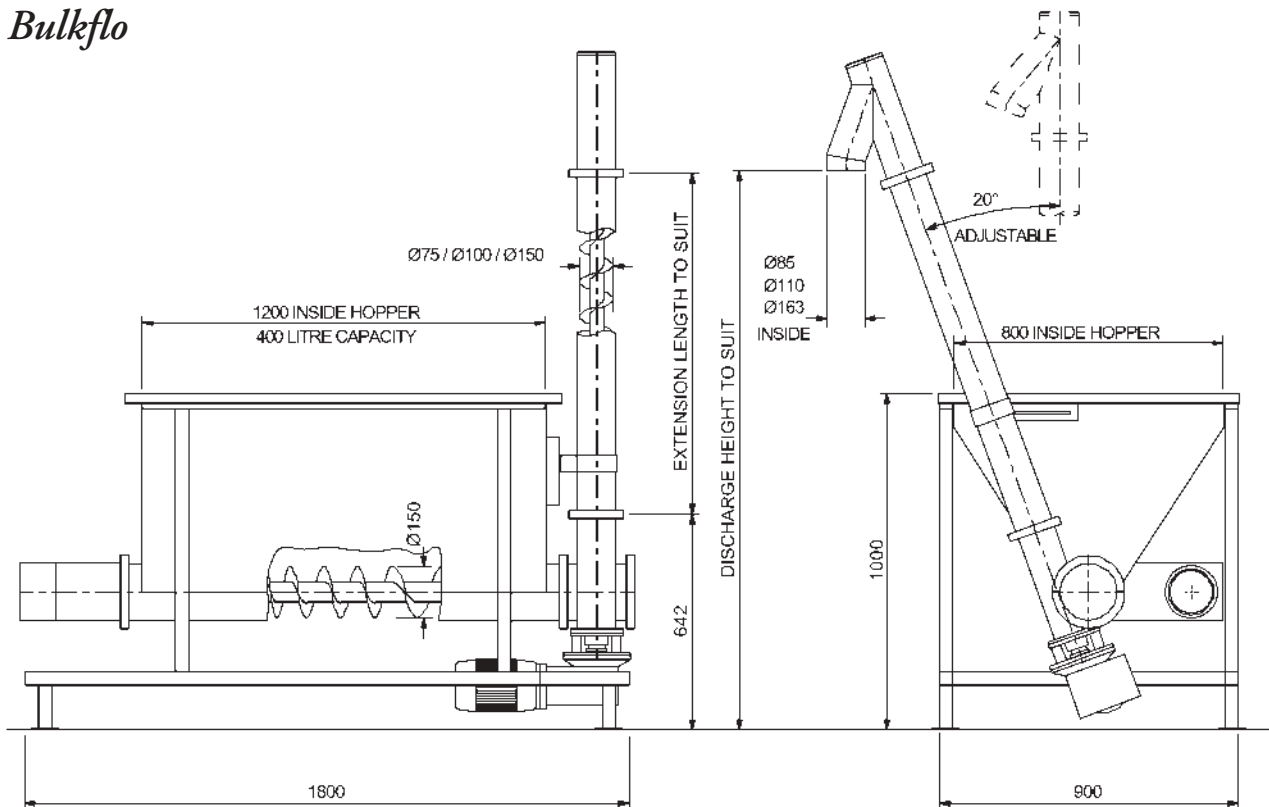
- The Bulkflo machine has been designed to be reliable and easy to maintain so that non-productive downtime is kept to a minimum.

Optional Extras

- Fully wired unit with DOL starters.
- Variable speed inverter drive
- Electronic soft start unit
- Paddle or ribbon type discharge screw
- Dust control hood
- Hinged hopper cover
- Check sieve in feed station built in.
- Big bag discharge frame
- Jacketted screw tubes and panels for temperature control
- Stainless steel construction throughout, including non-contact parts
- Stainless steel polished to special requirements.
- Special purpose machines, fabricated to customers' own specifications.

Our policy is one of continuous improvement, all dimensions and technical details are subject to change without notice. Please check at time of ordering.

Bulkflo



Capacity Chart:

Elevating Screw Size	Output Capacity approx. max.
75mm dia.	1.5 cu m/hr
100mm dia.	3.5 cu m/hr
150mm dia.	12 cu m/hr

Note:

Capacities are very dependent on product flowability and density. Please seek advice before specifying.

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