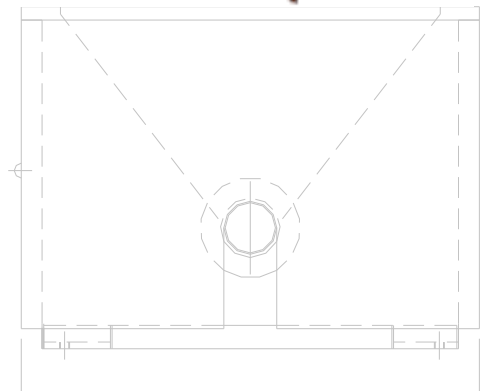


Duraflex™ Series

Volumetric & Gravimetric Feeders



A high standard,
accurate and reliable
feeder system

DURAFLEX



KLAUSEN PROCESS MACHINERY PTY. LTD.

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Manufactured To The Highest Standards:

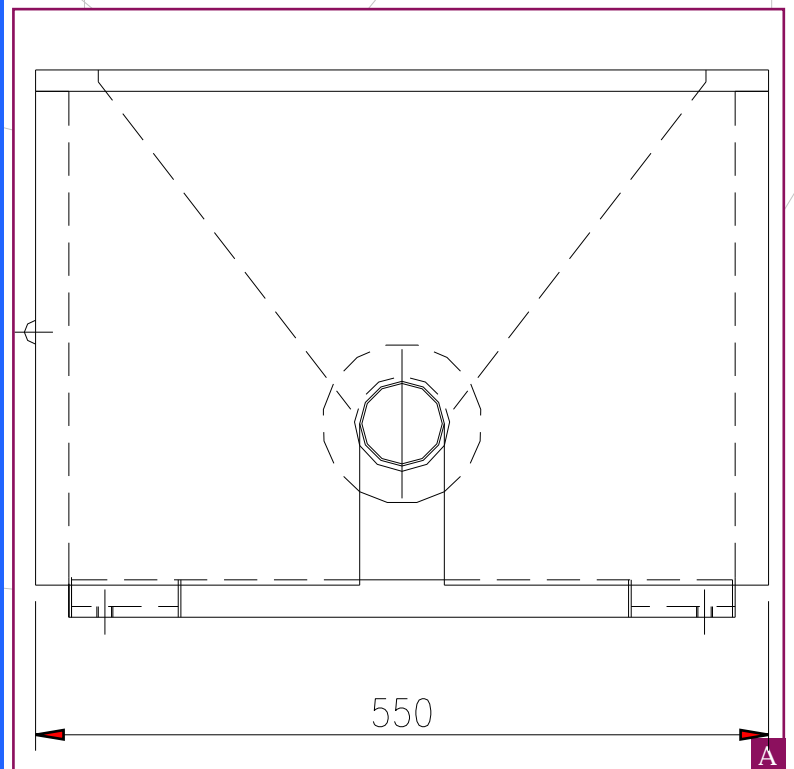
Duraflex™ volumetric feeders are manufactured to the highest standards, utilizing a polyurethane hopper which is unsurpassed for toughness and does not suffer fatigue even with constant 24 hour day operation.

The flexing hopper eliminates wear which generally occurs with fixed hoppers. With gentle flexing and massaging, abrasion does not occur, giving the use year after year of trouble free performance. All Duraflex feeders are Australian designed and manufactured, under strict quality control.

Accuracy And Dependability:

Duraflex™ dry material feeders handle an extensive range of materials from fine powders such as pigments to coarse granules in many major food, chemical, pharmaceutical, plastic and water treatment industries.

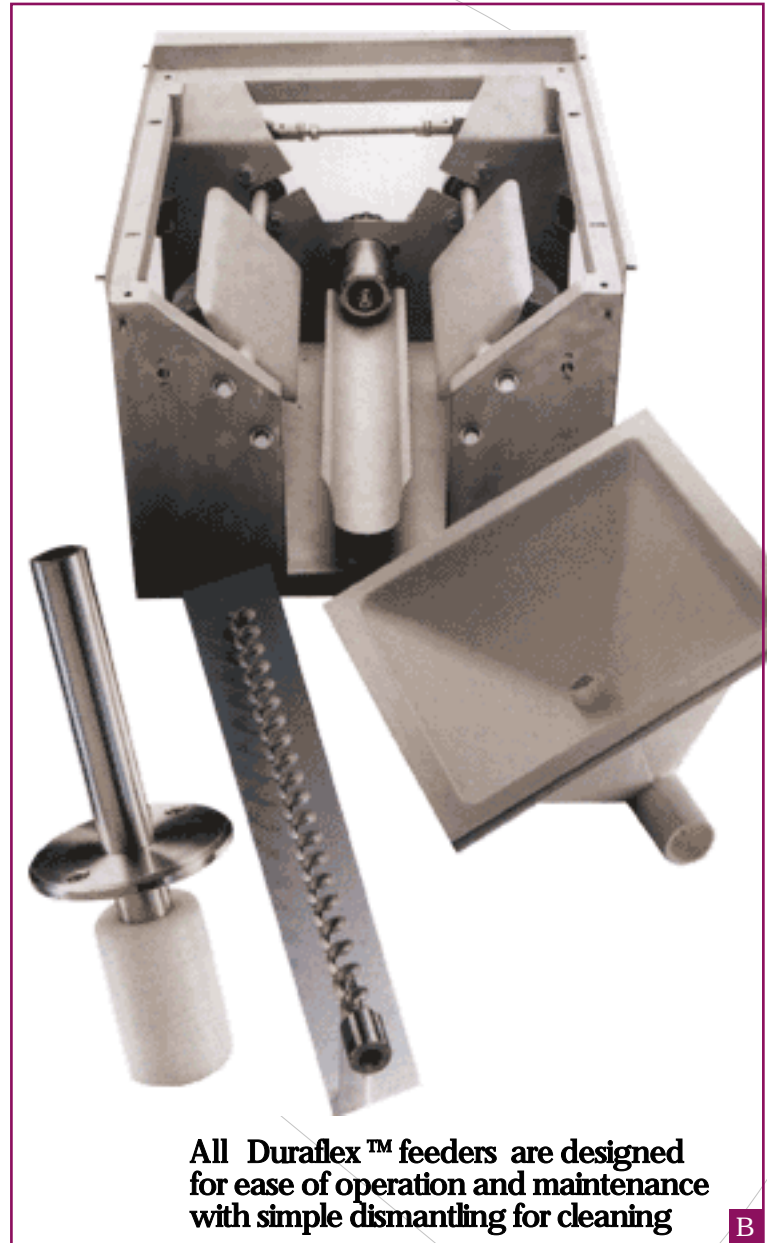
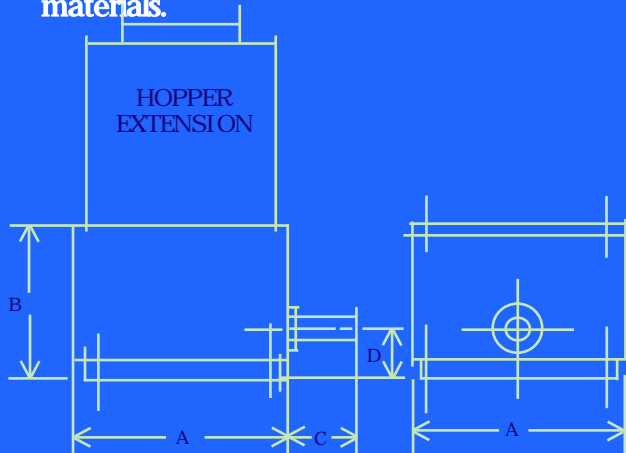
All Duraflex™ feeders employ a distinctive form of agitation with unique polyurethane hopper. The paddles can be easily adjusted for a varying amount of flexing to suit the particular material being metered. This flexing action gently conditions the material into the screw, preventing bridging and ratholing providing a uniform bulk density and exceptional volumetric accuracy.



Designed For Optimum Performance:

The Duraflex™ feeder has been specially designed to provide a high degree of product performance. With extensive research into product behaviour we have developed a Feeder which features:

- A polyurethane hopper which is the strongest and most durable in the world. It will withstand highly abrasive products* with little wear and comes with a 5 year warranty.
*(Made from food grade material)
- The hopper slides into its frame without the need for clamps enabling easy removal for changeover, cleaning and dismantling.
- A quick disconnect helix and nozzle adaptor without the need for tools - simply push in and clip shut.
- A paddle assembly which can be removed and replaced in seconds for maintenance with minimum downtime.
- A specially designed quill with double lipped seals and bearing arrangement which prevents ingress of dust, subsequent quill breakdown and shaft jamming.
- Quick release, removable side panels, (without the need for tools) for cleaning, access and maintenance.
- Unsurpassed volumetric metering accuracies. Deviations range from 0.5 to 2% for most materials.

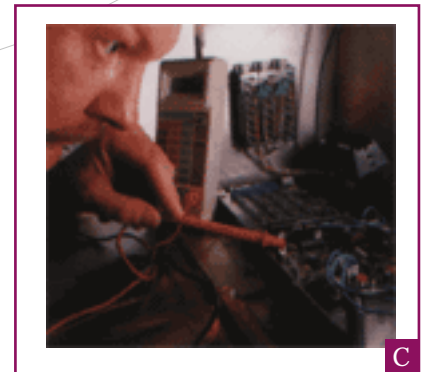


All Duraflex™ feeders are designed for ease of operation and maintenance with simple dismantling for cleaning

B

Tested & Guaranteed:

At our factory we have full testing facilities which enables our trained solids handling engineers to access your requirements and provide you with a complete report showing test sample weights and computations.



C

Dimension Data					Feeder Model Specifications				
Series	A	B	C	D	Technical Data				
					Standard Motor (Kw)	Weight (Kg)	Helix Size Available	RPM	Standard Hopper Capacity
150	370	295	105	110	0.09	30	6-25	1-160	9lt
250	550	400	180	145	0.18	65	13-57	1-160	25lt
750	720	621	370	216	0.55	150	45-107	1-160	75lt
950	720	621	370	216	0.75	150	76-152	1-160	78lt

Optional Controls:

There are a wide range of control options available

Loss In Weight Control:

The Feeders are mounted on special counter-balanced scales and controlled via LIW (Loss In Weight) controller, giving precise and continuous weigh feeding and verification of feed rate and standard deviations.



Fast And Dribble Controls:

Incorporates 2nd potentiometer and LED display. Excellent for loss in weight or gain in weight applications. The controller can be incorporated into weigh systems set-point modules and PLC controllers.



Dual Control:

This is standard on model 02 Feeder and has two controls for separate feed screw and agitation adjustment.



Remote Speed Signal:

Control is fitted with 4-20 Ma or 0-10 volt to enable remote speed setting adjustment and paddle agitation settings.



Totalizer:

Counts the number of revolutions and effectively the amount of material dispensed with each revolution.



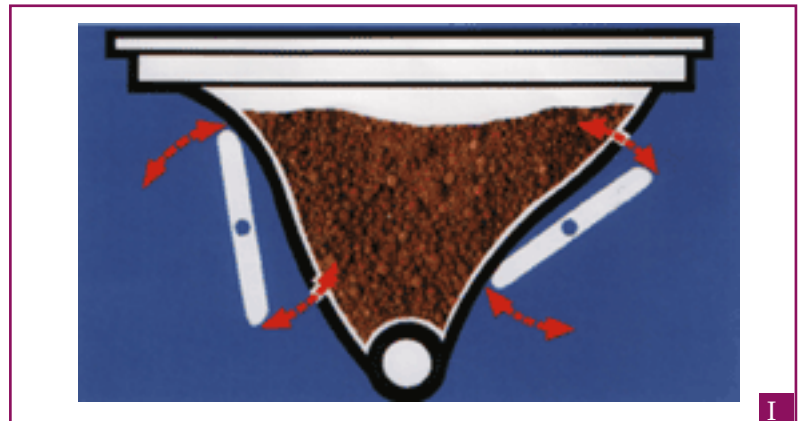
Batch Timer:

Automatically shuts off feeder at a Preset time, which is an excellent feature for batch filling operations.

Optional Features:

Available to suit your needs:

- Extension hoppers
- Specially designed helixes and nozzle adaptors for material spreading, or side discharge for flood materials
- Extended helixes - up to 6.0 meters
- Full sanitary design
- Bulk Bag unloading and metering systems
- Hydraulic drives for special applications



Duraflex™ Series

Series 150:

The 150 is the smallest in the range and has capacities from 0.005 - 100 lt./hr. Ideal for light to medium duty applications or where material is relatively easy to handle. Ideal for laboratory use.

Series 250:

The 250 is a larger unit capable of capacities 0.01 - 1350 lt./hr.

Fitted with a heavier drive and agitation mechanism this is the most commonly used feeder and is suitable for most materials for 24 hour - 360 day operation

Series 750:

The 750 is an even larger capacity unit offering rates of upto 9000 lt./hr. This unit is used where the 250 model does not have sufficient capacity or when the material is particularly difficult and requires a larger throat and helix to achieve better results.

Series 950:

The 950 is the largest unit in the range, specifically built for locating under large hoppers at silos or applications requiring high capacities. This unit will feed upto 27000 lt./hr. with a 152mm helix.



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