

WEIGHING & STATIC HOPPERS



MODEL AW/1

AB Capacities from 1-5 tonnes

AB Convenient bolt together assembly

AB Special hopper designs available

AB Mechanical or electronic weighing

AB Automatic control of ingredient feed

AB Heavy duty construction

Giving reliable control of ingredients by positive weight displacement, leading to improved plant efficiency.

Weighting/static hopper combination feeding two hammermills (giving uninterrupted feed)

MODEL A/AWI

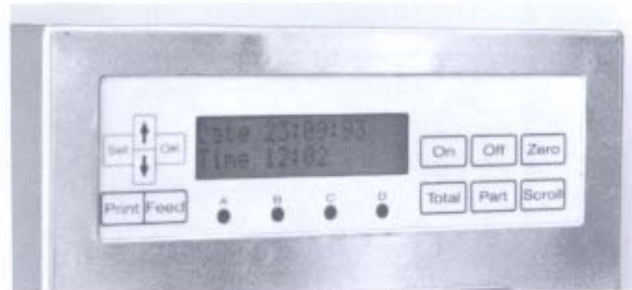


APPLICATION: In most cases, hoppers are used in conjunction with Alvan Blanch combined milling/mixing systems – to provide a known quantity of grain, (and other ingredients in some cases), for incorporation with the batch mix. Static hoppers provide a volumetric means of batch collation and are also used as surge bins for processing plants or as reserves to sack weighers. Weighing hoppers offer a more accurate, reliable and flexible solution for batch collation in feed milling systems.

CONSTRUCTION: Static Hoppers – ('A' range) – These are free standing with tubular and channel section framework – and have height adjustable legs. Bolt together hopper panels in heavy gauge steel (2mm as standard) with central outlet and control slide.



Electronic weighing hoppers (AWE range). Fitted with three high quality, shear beam precision load cells mounted on a frame at the hopper base. These provide very accurate weighing performance. The standard controller with digital display, monitors the weight and automatically controls up to four feed augers according to pre-selected



Programmable controller

settings. The controller is available with a dustproof casing or can be incorporated into a main plant control panel.

OPTIONS:

- Perspex panel** – for level determination in static hoppers.
- Proximity switch** – feed auger control in static hoppers.
- Dial display** – for mechanical weighing hoppers – in place of steelyard.
- Weighting/Static combination** – as shown on front page – for continuous batch milling/mixing operations. The static hopper holds a weighed batch above hammermills. As quick unloading of the weighing hopper is necessary to avoid delays, this is now of a special construction with 'bomb door' discharge.

SPECIFICATIONS						
MODEL	CAPACITY	DIMENSIONS MM				SUIT MIXER
		Tonnes (1)	Length (2)	Width	Height (3)	
AW1 Short leg	1	1800	2000	1750	1830 - 2130	M28/M45
AW1 Long leg	1	1800	2000	1750	2290 - 2590	M65/M90
AW2	2	1800	2000	2200	2640 - 2950	M150
AW3	3	1800	2000	2650	2640 - 2950	M230
AW5	5	2360	2490	2970	3200 - 3510	M400

NOTES

- (1) Capacity is based on grain at bulk density of 770kg per m³
- (2) Length/width – overall frame.
- (3) Height – covers basic hopper in frame but without legs and includes 150mm (6") discharge height. On static hoppers heights are 150mm (6") less.
- (4) Extension – covers range of extra heights available – in 150mm (6") increments. For total heights add these dimensions to figure in height column.

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