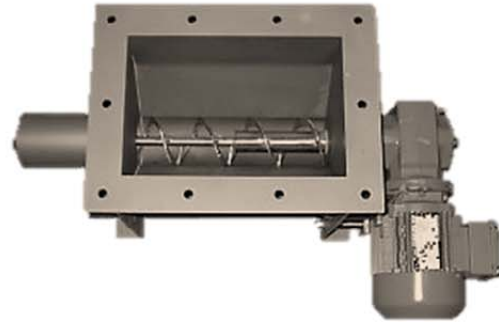**LOSS IN WEIGHT FEEDER (FLW)**

Materials for hopper: Stainles Steel

Capacity to: 300 l/h

Feeding accuracy: ± 0.2 %

Warrranty: 12 Months

<p style="text-align:center">**SPECIFICATIONS**</p>

WORKING PRINCIPLE

A loss-in-weight feeder is used to precisely dose a product into a process at a desired flow rate or in batches. The feeding device with a hopper containing the product to be fed is placed on a platform scale or suspended on load cells.

The product is discharged from the hopper by the metering device and the resultant weight loss per unit of time is determined by the weighing and control system. This actual weight loss per unit time is compared to a desired weight loss per unit time.

Loss-in-Weight feeders operating in batch mode feed multiple ingredients simultaneously into a collection hopper.

A Loss-in-Weight batch controller monitors material weight loss from the hopper and controls the start/stop functions of the feeder. With each feeder possessing its own dedicated weighing system, the LIW batching system delivers each ingredient with greater accuracy and in less time.

APPLICATION

Loss-in-Weight batch feeding is the optimum solution when a recipe calls for micro ingredients. These minor ingredients frequently require highly accurate weighing to remain within spec of the recipe, and they are usually expensive, making cost control a high priority.

FEATURES

- Metering Accuracy
- Versatile
- All Steel Construction

Twin Screw Loss-in-Weight Feeder Models

Materials Fed: Twin screw loss-in-weight feeders are most effective for pigments, sticky, bridging or flooding powders and fiberglass.

Model	Low feed rate		High feed rate	
	dm^3/hr	ft^3/hr	dm^3/hr	ft^3/hr
LWF20	0.1	0.004	200	7.0
LWF35	1.8	0.063	2500	88
LWF60	22	0.78	7200	250
LWF80	25	0.88	30600	1070

Single Screw Loss-in-Weight Feeder Models

Materials Fed: Single screw Loss-in-Weight feeders are used for pellets and free-flowing powders.

Model	*Low feed rate*		*High feed rate*	
	dm^3/hr	ft^3/hr	dm^3/hr	ft^3/hr
LWF45	0.1	0.004	4500	160
LWF150	10	0.4	15800	560
LWF450	70	2.45	45300	1585
LWF300	0.06	0.002	313	11.05