

SAL300 Series Hopper Loaders

The SAL300 series of hopper loaders are designed to be cost-effective, high quality units which helps eliminate contamination and manual handling and particularly good for the transportation of free flowing virgin granules.

This integral single-phase suction motor creates a flow of air which carries granules through the material line for the (operator) selected time. The granules are then discharged directly into the processing machine hopper and the cycle is repeated until both the machine hopper and hopper loader bowl are full.

All units have microprocessor control giving digitally: - setting and display of loading time, loading function and mode selection. Furthermore, operational fault diagnosis is provided as standard.

Cleaning of the filter can be carried out away from the machine by removing the complete suction head.

Other features include:

- Robust stainless steel bowl.
- Motor is to a low noise (For the unit fitted with cloth filter only).
- Mesh filter or cloth filter.
- Counter-balanced flap or electric level control.
- Adjustable loading time.
- Flow-path indicator lamps.
- Audible low level alarm.
- Telescopic suction probe (For the unit fitted with cloth filter only).
- Self-cleaning of filter (SAL300A and SAL300 SEA only).
- Electrical circuit built to comply with **CE Safety Requirements.**



Pneumatic solenoid valve & blow-back filter fitted to SAL300A/SEA

Specifications

SAL model		300	300A	300SE	300SEA
Conveying capacity*	kg/hr	up to 200			
Bowl volume	litre	6			
Conveying height	m	4			
Conveying hose	mm	38			
Type of filter	-	mesh filter or cloth filter			
Type of level control	-	mechanical flap		electric sensor	
Self-filter-cleaning	-	N/A	standard	N/A	standard
Suction motor	W	1000			
Voltage (phase)	V	220 ~ 240 (1Ø)			
Width	mm	360			
Depth	mm	370			
Overall height	mm	530		610	
Weight (approx.)	kg	18	19	20	21

* Capacities are based on 0.6 bulk density and 60hz operations.



Sight-glass with electric level sensor fitted to SAL300SE/SEA

SAL400 Series Hopper Loaders

The SAL400 series of hopper loaders provide rapid and economical transportation of free flowing virgin granules and regrind, eliminating the risk of contamination.

The powerful 3 phase suction motor creates a flow of air which carries granules to the tangential inlet on the hopper loader bowl for the (operator) selected time. The granules are then discharged directly into the processing machine hopper and the cycle is repeated until both the machine hopper and hopper loader bowl are full.

All units have microprocessor control giving digitally: - setting and display of loading time, loading function and mode selection. Furthermore, operational fault diagnosis is provided as standard.

Filter cleaning via the reversing action of the suction motor is automatic before each suction phase thus blowing fines from the filter before the next loading cycle. Cleaning of the filter can be carried out away from the machine by removing the complete suction head.

Other features include:

- Robust stainless steel bowl.
- Mesh filter or cloth filter.
- Counter-balanced flap level control.
- Adjustable loading time.
- Motor overload protection with alarm.
- Flow-path indicator lamps.
- Audible low level alarm.



- Automatic reverse action filter cleaning.
- Telescopic suction probe (For the unit fitted with cloth filter only).
- Electrical circuit built to comply with CE Safety Requirements.

Specifications

Conveying capacity*	up to 300kg/hr
Bowl volume	12 litres
Conveying height	4 m
Conveying hose diam.	38 mm
Type of filter	mesh filter or cloth filter
Type of level control	mechanical flap
Self-filter-cleaning	standard
Suction motor	750 W
Voltage (phase)	380 ~ 460V (3Ø)

Dimensions

Width	450 mm
Depth	430 mm
Overall height	760 mm
Weight (approx.)	29 kg

*Capacities are based on 0.6bulk density and 60hz operations.