



"Standard" Drying Loader

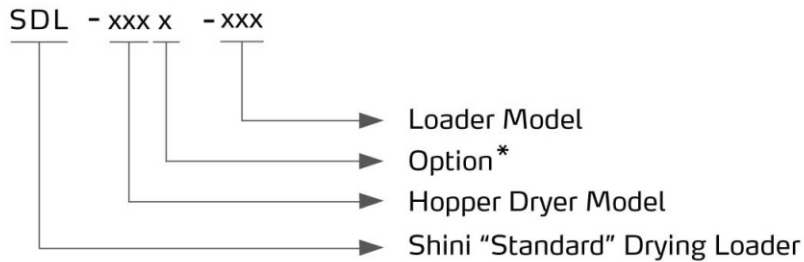
SDL-100-800G



Refer carefully to this manual before operation.

SDL Series

■ Coding Principle



Notes:*

T=Timer M=Magnetic Base S=Single Phase Power

I=Double Insulated Layer

■ Features

Standard configuration

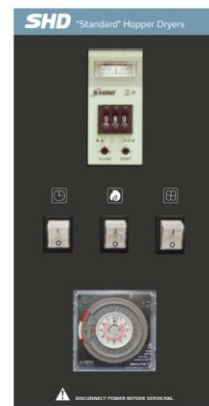
- Adopts proportional deviation display thermostat, which controls the temperature accurately.
- Stainless steel hopper ensures no material contamination.
- Hopper separated from its base, which ensures convenient cleaning.
- Single tube suction box is standard equipment.
- SDL-300 and even smaller models below are equipped with standard base. SDL-400 and even bigger models above it are equipped with magnetic base.
- For SHD-25~150, heater pipes are connected by aluminum sheets and other models are equipped with temperature protection to prevent heater pipe from damaging by blower faults.
- Overheat tripping can automatically cut off power when drying temperature exceeds set deviation value.
- Adopts heat-insulated blower to prolong blower lifespan.
- For SDL-100 and models above, standard equipped with 24-hour auto start/stop timer.

Accessory option

- Hot air recycler is optional, featuring energy-saving, no exhaust of hot air and dust, and environmental protection.
- Hot air recycler, blower inlet filter, air filter, cyclone dust collector, magnetic base, hopper magnet as your options.
- For SDL-75 and models below, 24-hour auto start/stop timer is optional.



SDL-25 -700G



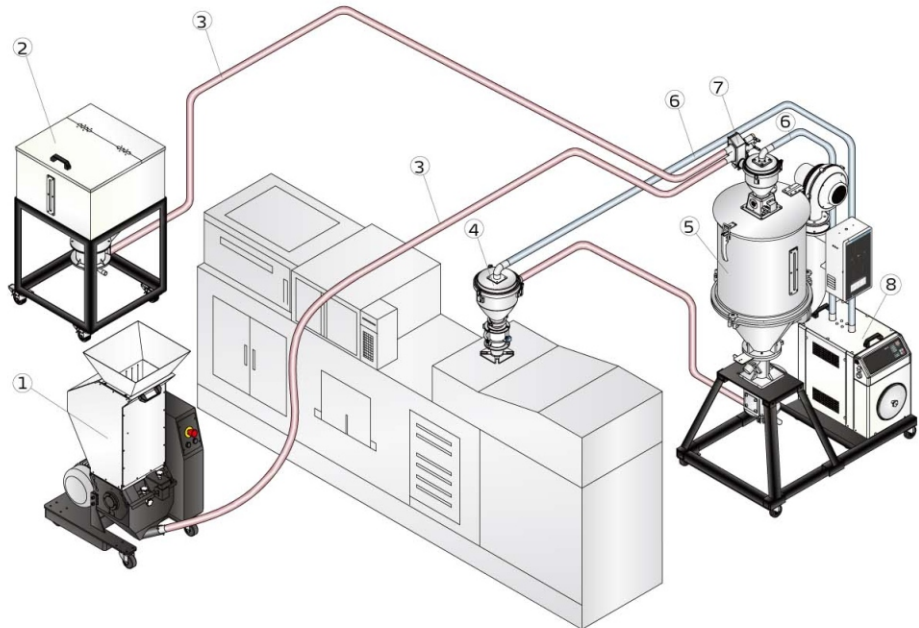
Control Panel (with timer)



Hopper Inside

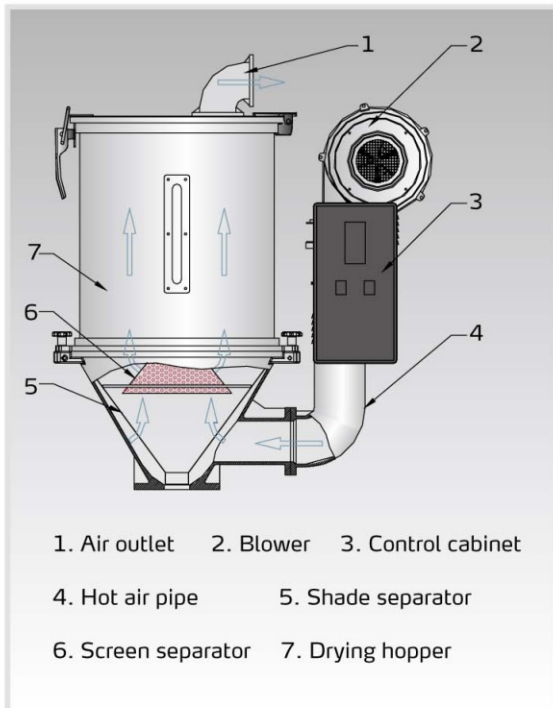
Application

1. Low-speed granulator
2. Material tank
3. Material pipe
4. Photosensor hopper SVH
5. Hopper dryer
6. Vacuum pipe
7. Proportional valve
8. Auto loader



SDL-xxx-900G Application (Two-stage Conveying)

Working Principle



Drying: air blown out of drying blower becomes high temperature drying air after being heated. Through screen separator and shade separator, hot air can be equably dispersed in material storage tank. Hot air recycler can be equipped to filter and recycle the air from the outlet and form a closed loop circle.

Conveying: firstly vacuum will be formed inside the hopper by the suction of high-pressure blower which produces differential pressures between hopper inside and outside. Under the force of differential pressures and continuous suction, material and air mixture will be sucked into hopper. Due to blocking of internal filter, material will be accumulated in the hopper while air is sent out through air outlet by blower. Use SAL-700G/ 800G for a single conveying system, use SAL-900G for two-stage conveying system. Return circuit of material suction is controlled by the three way valve inside hopper loader.

Options

Cyclone Dust Separator



Effectively filter 80% of dust-contain air discharged from dryer to avoid air pollution.

Model	Applied to	Dia. (inch)
HCF-2	SHD-25-150	3

Exhaust Air Filter



Effectively filter 99% of dust-contain air discharged from dryer to avoid air pollution.

Model	Applied to
ADC-1	SHD-12
ADC-2	SHD-25-150
ADC-3	SHD-200-1000

Hot Air Recycler



Work with hopper dryer to make the hot air form a semi-closed circulated loop and has features as follows:

- 1) Hot air recycling and circulating avoids indoor temperature rising up.
- 2) Keep air in factory clean and ensure good product quality.
- 3) Heating by fast hot air circulation can lower energy consumption by 40%.

Model	HAR-12	HAR-25	HAR-50	HAR-100	HAR-200	HAR-600	HAR-800
Filtering Barrel Dia	mm	157	175	219	245		
	inch	6.2	6.9	8.6	9.6		
Inlet Air Pipe Dia.(inch)	2	2.5	3		4		
Flange of Air Outlet (inch)							
Applied to	SHD-12	SHD-25	SHD-50/75	SHD-100/150	SHD-200-500	SHD-600	SHD-800-1000

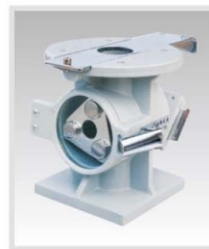
Blower Inlet Filter



Model	Applied to
AIF-12	SHD-12
AIF-25	SHD-25
AIF-50	SHD-50/75
AIF-100	SHD-100/150
AIF-200	SHD-200-500
AIF-600	SHD-600
AIF-800	SHD-800-1000

Notes: refill air input of the blower is adjustable.

Magnetic Base



Made of aluminum with built-in hopper magnet, can effectively separate metal scraps out to avoid material contamination. (MB-400 is standard configuration)

Model	MB-12	MB-100	MB-50	MB-400
Applied to	SHD-12	SHD-25-75	SHD-100-300	SHD-400 and models above
Magnetic Frame	MR-3			
Aluminum Holder × 2	88.5×78×2.3		118.5×105×2.3	147 × 130 × 2.3

SDL Series

Outline Drawings



To work with



SVH



SMH

Specifications

Model	SDL-25	SDL-50	SDL-75	SDL-100	SDL-150	SDL-200	SDL-300	SDL-400	
Applicable Dryer	SHD-25	SHD-50	SHD-75	SHD-100	SHD-150	SHD-200	SHD-300	SHD-400	
Applicable Loader	SAL-700G or 800G					SAL-800G		SAL-800G2	
	SAL-900G					SAL-900G		SAL-900G2	
Applicable Hopper Receive	1 × SVH-6L							1 × SVH-12L	
	1 × SVH-6L							1 × SVH-12L	
	1 × SMH-6L							1 × SMH-12L	
Conveying Capacity	kg/hr	300							400
	lb/hr	661							882
Hopper Capacity	kg/hr	450							700
	lb/hr	992							1,543
Dimension H×W×D	L	6							12
	gal	1.59							3.2
	L	2 × 6							2 × 12
	gal	2 × 1.59							2 × 3.2
mm	1620×1000	1750×1000	1850×1000	1950×1080	2200×1080	2385×1140	2690×1140	2800×1240	
	×640	×640	×640	×710	×710	×840	×840	×1020	
Inch	63.8×39.4	68.9×39.4	72.8×39.4	76.8×42.5	2200×42.5	93.9×44.9	105.9×44.9	110.2×48.8	
	×25	×25	×25	×28	×28	×33	×33	×40	
Weight	kg	95	110	115	155	160	210	220	285
	lb	209	243	254	342	353	463	485	628

Notes: 1) Install 24hr timer, add "T" at the end of the model code.

2) Magnetic bases are applied to SHD-300 and models below, add "M" at the end of the model code.

3) When applying double insulated layer, add "I" at the end of the model code.

4) Power: 3Φ, 230/400/460/575VAC, 50/60Hz.

We reserve the right to change specifications without prior notice.

Shini Group

Addr.: No. 23, Minhe St., Shulin Dist.,
New Taipei, Taiwan

Tel: +886 2 2680 9119

Fax: +886 2 2680 9229

Email: shini@shini.com

Factories:

- Taiwan
- Dongguan
- Pinghu
- Ningbo
- Mumbai

2015-03-15-04 Copyrights Reserved.

www.shini.com