



# Separate-vacuum Hopper Loaders



SAL-5HP-UG



SHR-24U

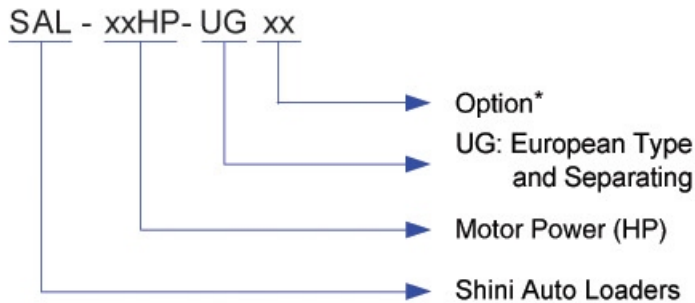


Refer carefully to the manual before using products.



# SAL-UG/UGP Series

## ■ Coding Principle



Note: \*

D=Double-stage Blower

P=Powder Loader

A = Add Air Accumulator

CE=CE Conformity



SAL-1HP-UG & SHR-6U-E

## ■ Features

### Standard configuration

- Data backed up on EPROM in case of power failure and does not require back up battery.
- It consists of a cyclone dust separator and a dust collective bin to effectively reduce the load of filter.
- Function for setting regrind mix ratio via optional SPV-U.
- SAL-UGP series units are equipped with single and double-stage blower (3.5HP and above).
- Standardly equipped with warning lamp as the alarm device.
- Based on customer's requirements, there are two types of filters: bag and plate, for 30% and 100% powder conveying respectively. The air accumulator and self-cleaning device are standard equipment for hopper.

### Accessory option

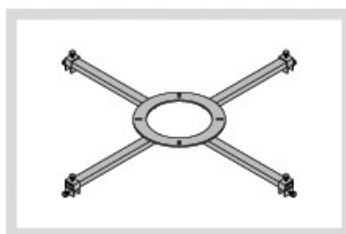
- In the case of much impurity or recycled materials included in raw materials, main unit can be equipped with air accumulator auto washing unit as options, and add "A" at the model behind. (Suitable for SAL-3.5HP-UG and models above)
- Optionally provide multi-functional installation frame HMB-900 with 900 mm largest dia.adjusting range for selection.
- Provide both standard and optional heat-insulative Euro collective hopper SCH-6U/12U/24U for selection (Except for SAL-UGP series, which will use special collective hopper).
- Optional cyclone dust separator is available for SAL-1HP/2HP-UG.
- Buzzer available as an option.



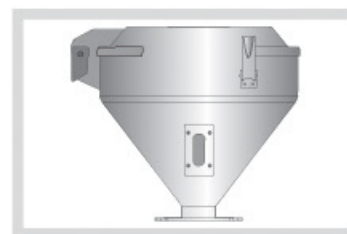
SHR-P-60U+Storage  
Collective Hopper (Option)



Filter Plate and Filter Bag



HMB-900(Option)



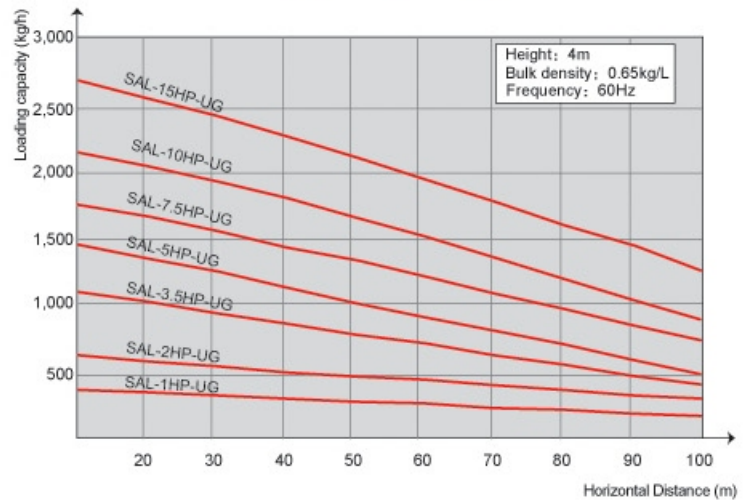
SCH-12U(Option)

## ■ Application

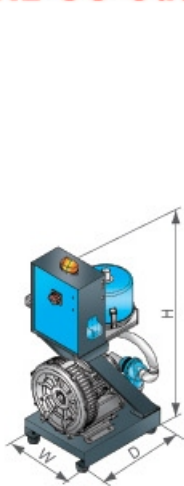
SAL-UG series separate-vacuum hopper loaders are based on the established design and now feature more attractive appearance, better performance, and improved ease of operation. The whole range comprises of seven models equipped with vacuum blower from 1 to 15 HP. Economy models can be offered on request.

SAL-UGP series separate-vacuum hopper loaders has all features that come with SAL-UG series product. There is also double-stage blower available as an option. Different model of hopper is available for each individual output capacity needs, especially suitable for 30% and 100% powder loading.

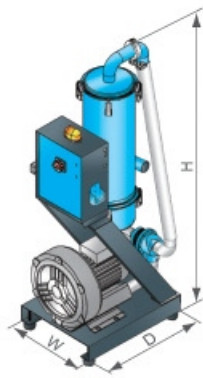
## ■ SAL-UG Loading capacity



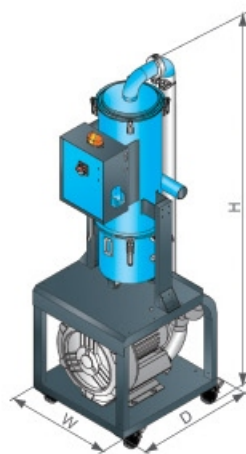
## ■ SAL-UG Outline Drawings



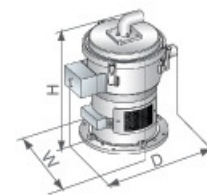
1 & 2HP (Main Unit)



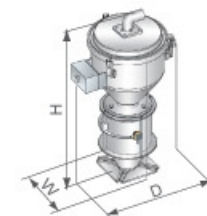
3.5 & 5HP (Main Unit)



7.5~15HP (Main Unit)

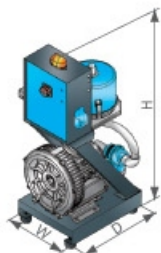


SHR-U

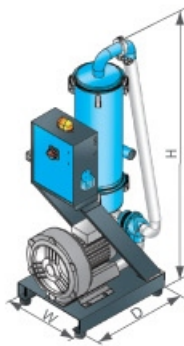


SHR-U-E

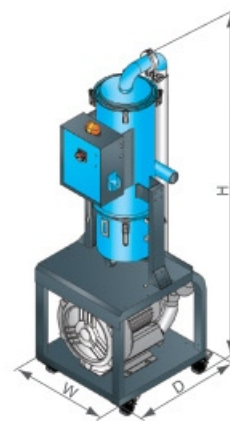
## ■ SAL-UGP Outline Drawings



1 & 2HP (Main Unit)



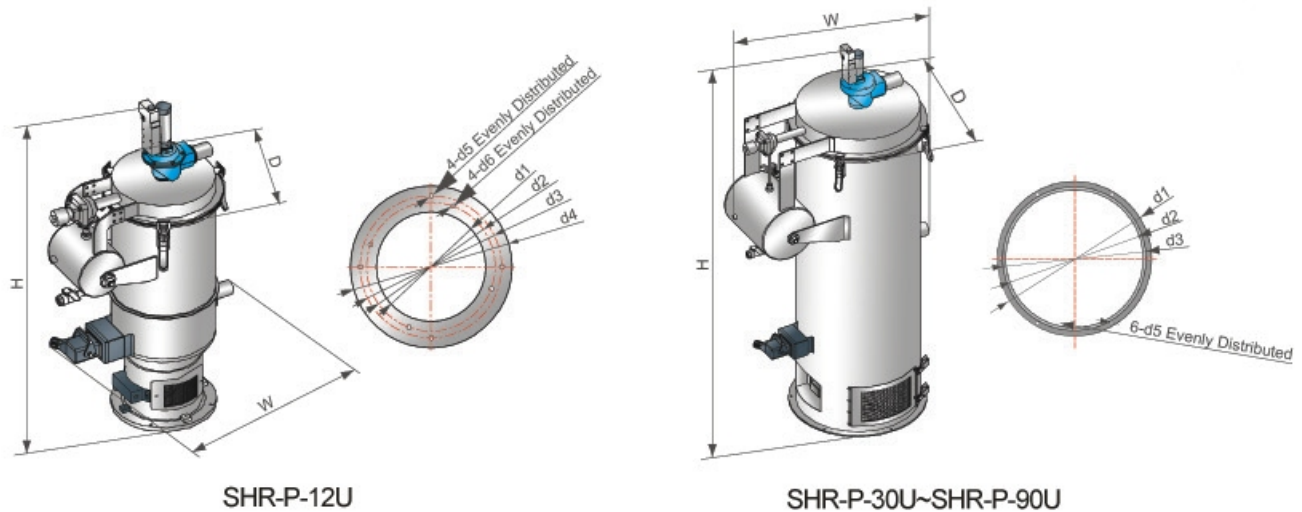
3.5 & 5HP (Main Unit)



7.5~10HP (Main Unit)

# SAL-UG/UGP Series

## Outline Drawings for SAL-UGP



SHR-P-12U

SHR-P-30U~SHR-P-90U

## Specifications for SAL-UG

Model	Main Unit				Hopper Receiver				Loading Pipe Dia. (mm)	Air Suction Pipe Dia. (inch)	Loading Capacity (kg/hr)
	Motor Power (kW) (50/60Hz)	Specification	Dimensions (mm) H×W×D	Weight (kg)	Applicable Model	Capacity (L)	Dimensions (mm) H×W×D	Weight (kg)			
SAL-1HP-UG	0.75/0.85	3Φ	1000 × 400 × 500	50	SHR-6U × 1	6	420 × 285 × 360	6	1.5	1.5	300
					SHR-6U-E × 1		600 × 275 × 360	8			
SAL-2HP-UG	1.5/1.8	3Φ	1000 × 400 × 500	54	SHR-12U × 1	12	470 × 315 × 400	7	1.5	1.5	500
					SHR-12U-E × 1		700 × 315 × 400	12			
SAL-3.5HP-UG	2.4/2.6	3Φ	1380 × 490 × 590	73	SHR-24U × 1	24	690 × 315 × 400	9	2	2	750
					SHR-24U-E × 1		1120 × 360 × 400	13			
SAL-5HP-UG	3.75/4.2	3Φ	1380 × 490 × 590	74	SHR-24U × 1	24	690 × 315 × 400	9	2	2	1000
					SHR-24U-E × 1		1120 × 360 × 400	13			
SAL-7.5HP-UG	5.5/6.3	3Φ	1830 × 585 × 675	156	SHR-36U × 1	36	930 × 315 × 400	11	2	2.5	1200
SAL-10HP-UG	7.5/8.6	3Φ	1830 × 585 × 675	160	SHR-36U × 1	36	930 × 315 × 400	11	2	2.5	1600
SAL-15HP-UG	9/13	3Φ	2100 × 680 × 800	226	SHR-48U × 1	48	975 × 350 × 485	15	2.5	3	2000

- Note: 1) "G" stands for separate design of main unit and hopper receiver (S). We reserve the right to change specifications without prior notice.
- 2) "SHR-U-E" stands for photosensor hopper receiver, "SHR-U" refers to vacuum hopper receiver.
- 3) For hopper inside polished ones, add "P" at hopper model behind.
- 4) It is available to select ACF-1 cyclone dust separator (Applicable to SAL-1HP-UG or SAL-2HP-UG main unit).
- 5) Main unit can be equipped with air accumulator auto washing unit as options, and add "A" at the model behind. (Suitable for SAL-3.5HP-UG and models above)
- 6) All main units has vacuum breaking valve to protect the blower.
- 7) Test condition of conveying capacity: Plastic material of bulk density 0.65kg/L, dia. 3~5 mm, vertical conveying height: 4m, horizontal conveying distance: 5m.
- 8) Power supply: 3Φ, 230/400/460/575V, 50/60Hz.

**Specifications for SAL-UGP For Conveying Raw Material Contains 30% Powder (BAG FILTERS are fitted to powder receiver)**

Main Unit			Hopper Receiver							Dimensions (mm)	
Model	Motor Power (kW)(50/60Hz)	Specification	Model	Material Line (inch)	Vacuum Line (inch)	Volume (L)	Diameter (mm)	Loading Capacity (kg/hr)	Quantity of filter cloth slice	(Main Unit) H x W x D	(Receiver) H x W x D
SAL-1HP-UGP	0.75/0.85	3Φ	SHR-P-12U	1.5	1.5	12	Φ 270	300	3	1000 x 400 x 500	940 x 535 x 380
SAL-2HP-UGP	1.5/1.8	3Φ	SHR-P-30U			30	Φ 380	400	7		1325 x 730 x 470
SAL-3.5HP-UGP	2.4/2.6	3Φ	SHR-P-60U	2	2	60	Φ 440	800	10	1380 x 490 x 590	1500 x 780 x 500
SAL-5HP-UGP	3.75/4.2	3Φ						1200			
SAL-5HP-UGP-D											
SAL-7.5HP-UGP	5.5/6.3	3Φ	SHR-P-90U	2.5	2.5	90	Φ 550	1500	19	1830 x 585 x 675	1640 x 890 x 635
SAL-7.5HP-UGP-D										1830 x 740 x 675	
SAL-10HP-UGP	7.5/8.6	3Φ	SHR-P-90U	2.5	2.5	90	Φ 550	2000	19	1830 x 585 x 675	1640 x 890 x 635
SAL-10HP-UGP-D										1830 x 740 x 675	

**Specifications for SAL-UGP For Conveying Raw Material Contains 100% Powder (PLATE FILTERS are fitted to powder receiver)**

Main Unit			Hopper Receiver							Dimensions (mm)	
Model	Motor Power (kW)(50/60Hz)	Specification	Model	Material Line (inch)	Vacuum Line (inch)	Volume (L)	Diameter (mm)	Loading Capacity (kg/hr)	Quantity of filter cloth slice	(Main Unit) H x W x D	(Receiver) H x W x D
SAL-1HP-UGP	0.75/0.85	3Φ	SHR-P-30U-1	1.5	1.5	12	Φ 270	300	1	1000 x 400 x 500	940 x 535 x 380
SAL-2HP-UGP	1.5/1.8	3Φ	SHR-P-30U-2			30	Φ 380	400	2		1325 x 730 x 470
SAL-3.5HP-UGP	2.4/2.6	3Φ	SHR-P-60U-3	2	2	60	Φ 440	800	3	1380 x 490 x 590	1500 x 780 x 500
SAL-5HP-UGP	3.75/4.2	3Φ						1200			
SAL-5HP-UGP-D											
SAL-7.5HP-UGP	5.5/6.3	3Φ	SHR-P-90U-5	2.5	2.5	90	Φ 550	1500	5	1830 x 585 x 675	1640 x 890 x 635
SAL-7.5HP-UGP-D										1830 x 740 x 675	
SAL-10HP-UGP	7.5/8.6	3Φ	SHR-P-90U-5	2.5	2.5	90	Φ 550	2000	5	1830 x 585 x 675	1640 x 890 x 635
SAL-10HP-UGP-D										1830 x 740 x 675	

- Note: 1) "P" stands for powder loader, "D" stands for double stage blower.  
 2) All SAL-UGP series has vacuum breaking valve to protect the blower.  
 3) PU heat-resistant material pipe is optionally available.  
 4) Test condition of conveying capacity: Use dried powder plastic material without any viscosity and its bulk density is 0.6kg/L, vertical conveying height: 4m, horizontal conveying distance: 5m.  
 5) Collective hopper can be optionally selected if needed.  
 6) Power supply: 3Φ, 230/400/460/575V, 50/60Hz.

**SHR-P-U Hopper Receiver Dimensions**

Model	d1(mm)	d2(mm)	d3(mm)	d4(mm)	d5(mm)	d6(mm)
SHR-P-12U	Φ197	Φ231.5	Φ254.5	Φ275	Φ9	Φ9
SHR-P-30U	Φ430	Φ413	Φ377	-	Φ7	-
SHR-P-30U-1	Φ430	Φ413	Φ377	-	Φ7	-
SHR-P-30U-2	Φ430	Φ413	Φ377	-	Φ7	-
SHR-P-60U	Φ490	Φ470	Φ437	-	Φ7	-
SHR-P-60U-3	Φ490	Φ470	Φ437	-	Φ7	-
SHR-P-90U	Φ600	Φ583	Φ547	-	Φ7	-
SHR-P-90U-5	Φ600	Φ583	Φ547	-	Φ7	-

We reserve the right to change specifications without prior notice.



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