



SAL Series "Standard" Hopper Loader SAL

SAL-360

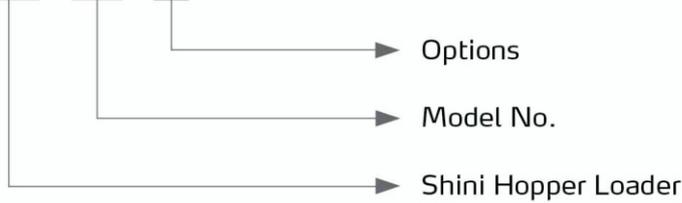


Refer carefully to this manual before operation.

SAL Series

■ Coding Principle

SAL - xxx - xx



SAL-460

■ Features

- Stainless steel hopper and with motor overload protection.
- SAL-330 integrated design features compact and light structures.
- All the machines are equipped with auto reverse cleaning kit and cloth mesh filter.
- This series is equipped with manual control switch for convenient power switch when installed in high places.
- SAL-430/460 is equipped with RS485 port



Control Panel
(SAL-330/360)



Control Panel
(SAL-430/460)



Reverse Cleaning Kit
(SAL-330/360)



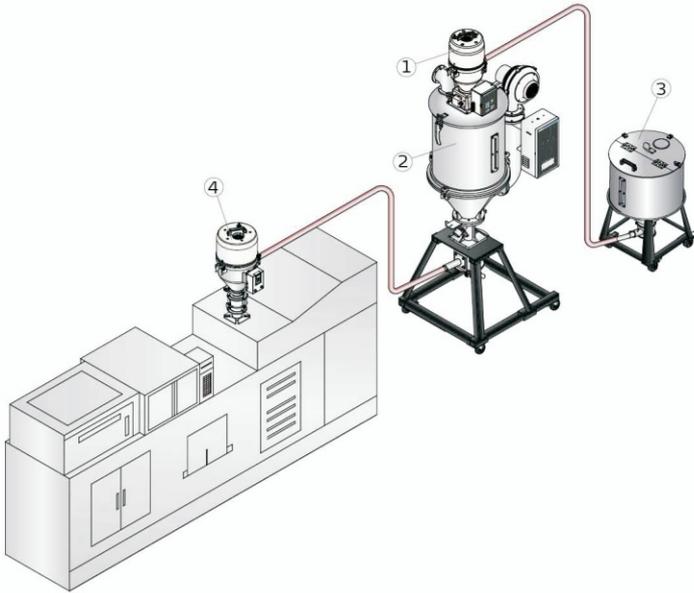
Cloth Filter

■ Options

- Optional enhanced mixing technology for proportional valve SPV-U application. Add "QM" at the end of the model code.
- Optional internal polished hopper loader. Add "P" at the end of the model code.

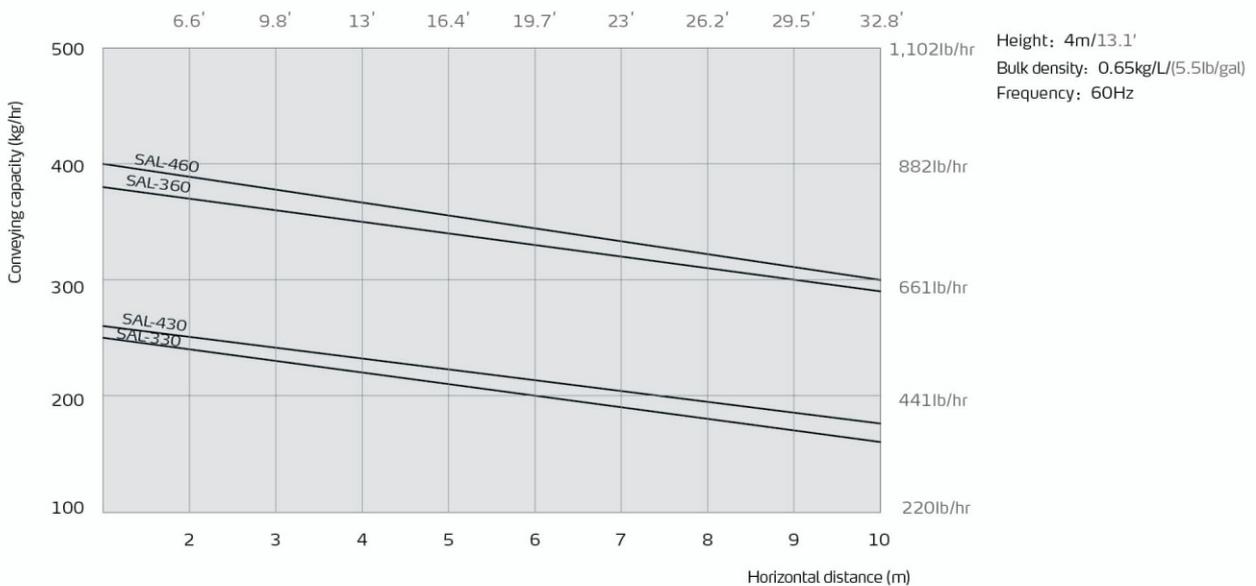
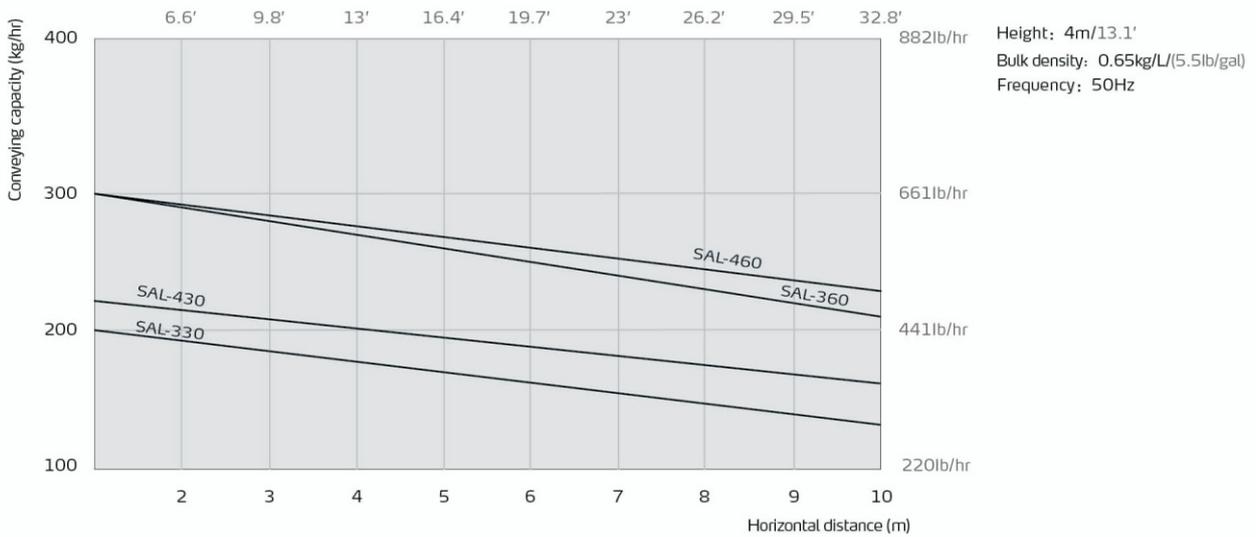
■ Application

SAL series of models are mainly used beside injection molding machines, extrusion machines or other machines to dry the plastic materials, which are installed on the drying hopper directly. It also can collocate with the SICH or SCH collective hoppers to work on the inlet of the injection molding machine. After setting, the machine can work automatically and independently without frequent adjustment.



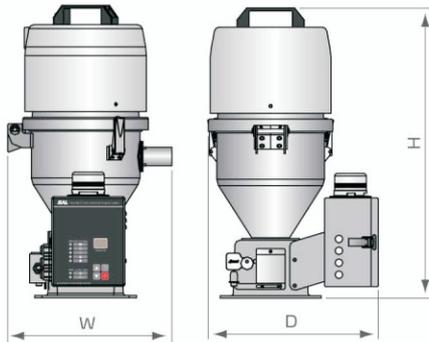
1. Hopper loader
2. "Standard" hopper dryer
3. Material storage tank
4. Photosensor hopper loader

■ Conveying Capacity

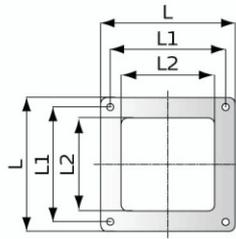


SAL Series

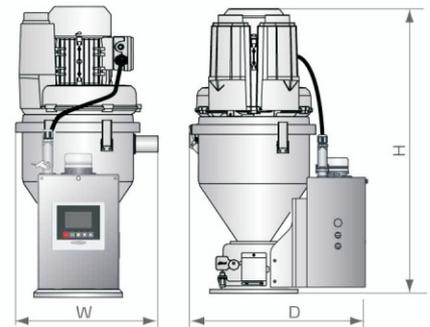
Outline Drawings



SAL-330/360



Mounting base



SAL-430/460

Specifications

Model		SAL-330	SAL-360	SAL-430	SAL-460	
Blower Type		Carbon brush	Carbon brush	Inductive	Inductive	
Motor Power (kW, 50/60Hz)		1.15/1.32	1.15/1.32	0.37/0.42	0.75/0.85	
Conveying Pipe Dia. (inch)		1.5	1.5	1.25	1.5	
Conveying Capacity (50/60Hz)	kg/hr	200/250	300/380	220/260	300/400	
	lb/hr	441/551	661/837	485/573	661/881	
Hopper Capacity	L	3	6	3	6	
	gal	0.8	1.6	0.8	1.6	
Material Level Control		Microswitch				
Compressed Air Purge		●	●	—	—	
Cloth Filter		●	●	●	●	
Motor Reverse Purge		—	—	●	●	
Dimensions	H	mm	610	670	660	735
		inch	24	26.4	26	28.9
	W	mm	345	385	310	350
		inch	13.6	15.2	12.2	13.8
	D	mm	355	380	430	455
		inch	14	15	16.9	17.9
	L	mm	210			
		inch	8.3			
	L1	mm	180			
		inch	7.1			
L2	mm	146				
	inch	5.7				
Weight	kg	13	14	23	26	
	lb	28.7	30.9	50.7	57.3	

Notes: 1) Test condition of conveying capacity: Plastic material of bulk density 0.65kg/L(5.5lb/gal), dia. 3~5mm/0.12~0.2 inch, vertical conveying height: 4m/13.1Feet, horizontal conveying distance: 1m/3.28Feet.

2) "●" stands for standard, "○" stands for options, "-" stands for none.

3) SAL330/360 Input Voltage: 1Φ, 115/230VAC, 50/60Hz;

SAL430/460 Input Voltage: 3Φ, 230/400/460/575VAC, 50/60Hz.

We reserve the right to change specifications without prior notice.



"Standard" Separate-vacuum Hopper Loader

SAL-910G&SMH-6L

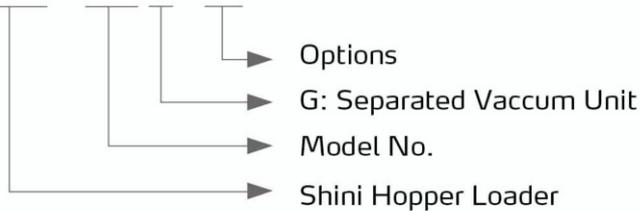


Refer carefully to this manual before operation.

SAL-G Series

■ Coding Principle

SAL - xxx G - xx



SAL-910G & SVH-6L

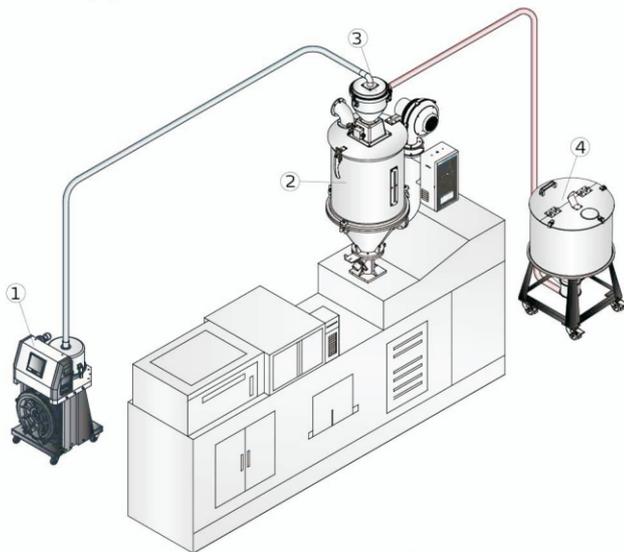
■ Features

- Motor overheat protector that can increase the service life.
- Shortage alarm informs the customer to troubleshoot.
- SAL-810G/820G/830G can control the proportional valve SPV-U and shut-off suction box independently.
- The filter barrel adopts PC (polycarbonate) that is easy to check the dust in the barrel for cleaning.
- The loader equips with RS485 interface for information exchange, which is controlled by central integrator.
- SAL-910G/920G has two-stage conveying function.

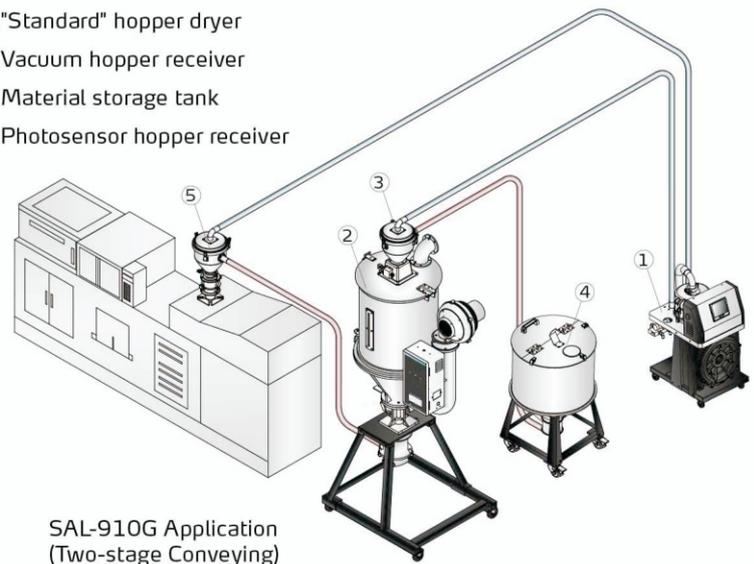


SAL-810G

■ Application



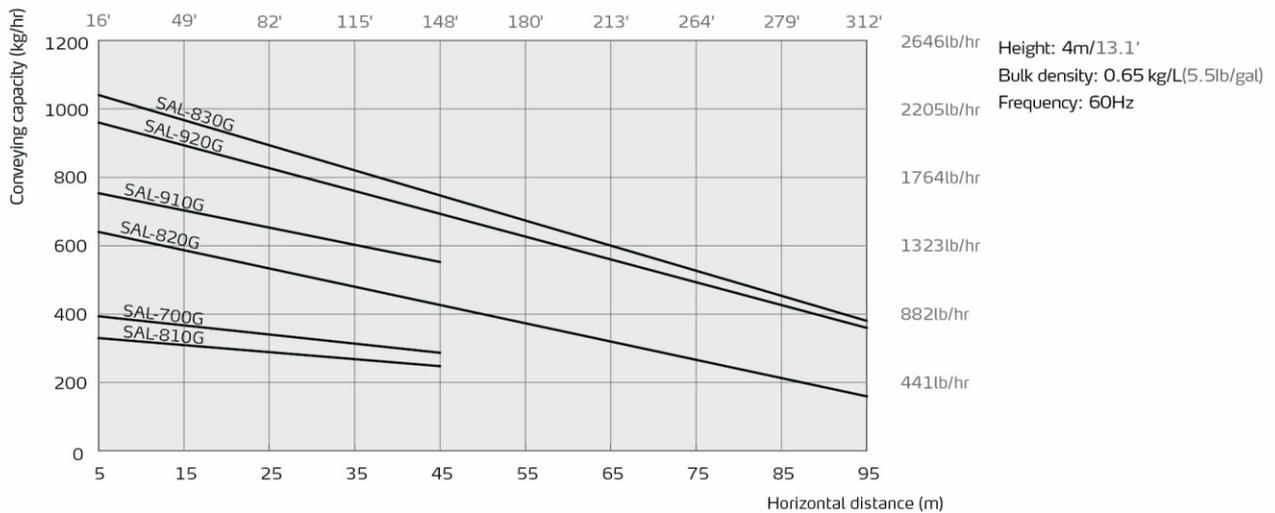
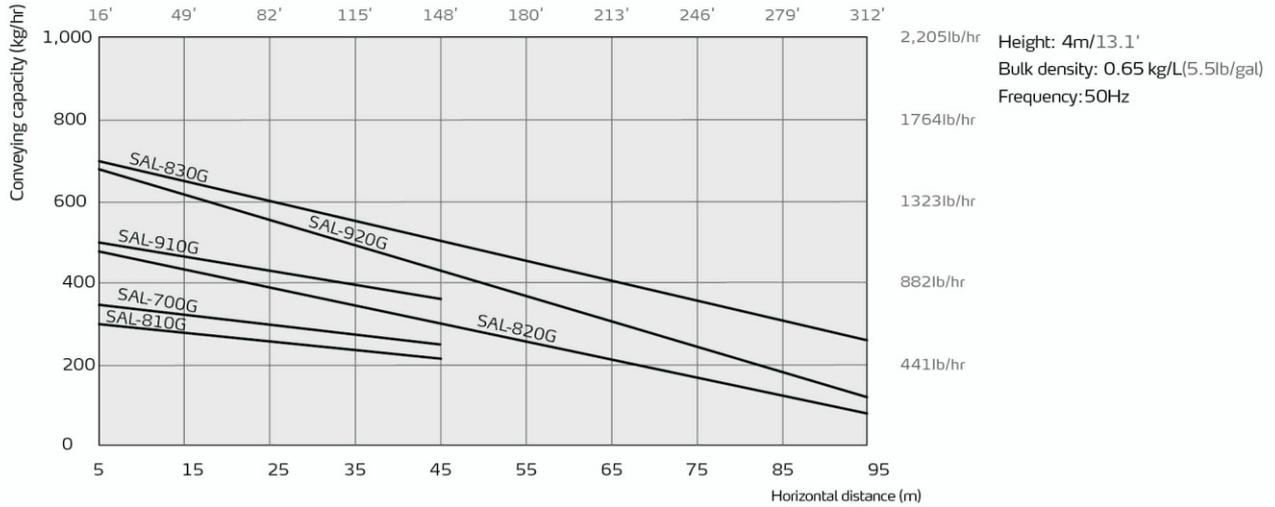
1. Main (Vacuum) unit
2. "Standard" hopper dryer
3. Vacuum hopper receiver
4. Material storage tank
5. Photosensor hopper receiver



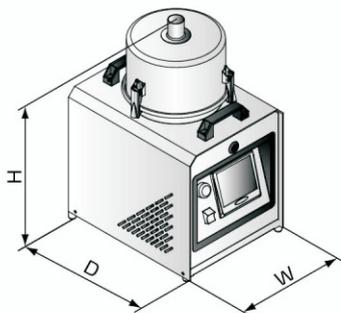
■ Options

- Optional internal polished hopper loader. Add "P" at the end of the model code.

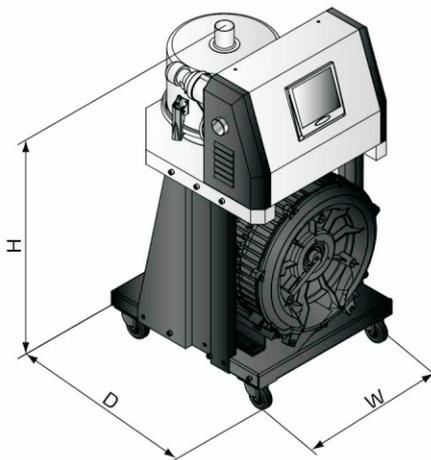
Conveying Capacity



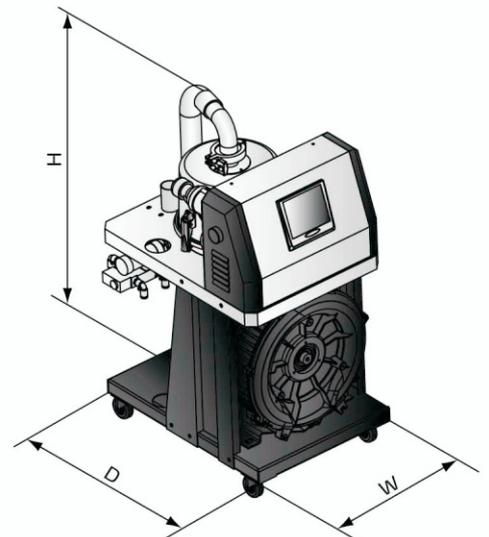
Outline Drawings



SAL-700G (Main Unit)



SAL-810G/820G/830G (Main Unit)



SAL-910G/920G (Main Unit)

SAL-G Series

Specifications

Model	Motor Type	Motor Power (kW, 50/60Hz)	Main Unit				Hopper Receiver				RS485 interface	Conveying Pipe Dia (inch)	Vacuum Pipe Dia. (inch)	Conveying Capacity (50/60Hz)		
			Dimension H x W x D		Weight		Applied Model	Hopper Capacity		Weight				kg/hr	lb/hr	
			mm	inch	kg	lb		L	gal	kg						lb
SAL-700G	Carbon brush	1.2(1Φ)	595×300×410	23.2×11.8×16	18	40	SMH-6L	6	1.6	6	13	●	1.5	1.5	350/	771/
							SVH-6L			7	15				410	903
SAL-810G	Inductive	0.75 (3Φ)	740×400×410	29.1×15.7×16.1	42	93	SMH-6L	6	1.6	6	13	●	1.5	1.5	300/	661/
							SVH-6L			7	15				340	749
							SHR-6U			6	13					
SAL-820G	Inductive	1.5 (3Φ)	740×400×410	29.1×15.7×16.1	45	99	SMH-12L	12	3.2	7	15	●	1.5	1.5	480/	1057/
							SVH-12L			11	24				640	1410
							SHR-12U			7	15					
SAL-830G	Inductive	1.85 (3Φ)	785×400×410	30.9×14.6×15.9	48	106	SMH-24L-50A-38M	24	6.4	9	20	●	2	2	700/	1543/
							SVH-24L-50A-38M			13	29				1040	2291
							SHR-24U-50A-38M			9	20					
SAL-910G	Inductive	0.75 (3Φ)	500×395×800	19.7×15.6×31.5	42	93	SMH-6L	6	1.6	6	13	●	1.5	1.5	500/	1102/
							SVH-6L			7	15				760	1674
							2×SMH-6L			11	24					
							2×SVH-6L			7	15					
SAL-920G	Inductive	1.5 (3Φ)	500×395×800	19.7×15.6×31.5	45	99	SMH-12L	12	3.2	7	15	●	1.5	1.5	680/	1498/
							SVH-12L			11	24				960	2115
							2×SMH-12L			7	15					
							2×SVH-12L			11	24					

Notes: 1) "SVH" stands for photosensor hopper receiver; "SMH" stands for vacuum hopper receiver.

"SHR-U" stands for Euro-hopper receiver.

2) Test condition of conveying capacity: Plastic material of bulk density 0.65kg/L(5.5lb/gal),

dia. 3~5mm/0.12~0.2 inch, vertical conveying height: 4m/13.1Feet, horizontal conveying distance: 5m/16.4Feet.

3) Power supply: 3Φ, 230/400/460/575V, 50/60Hz for all models except SAL-700G (1Φ, 115/230V, 50/60Hz).



SAL-U Series Hopper Loader

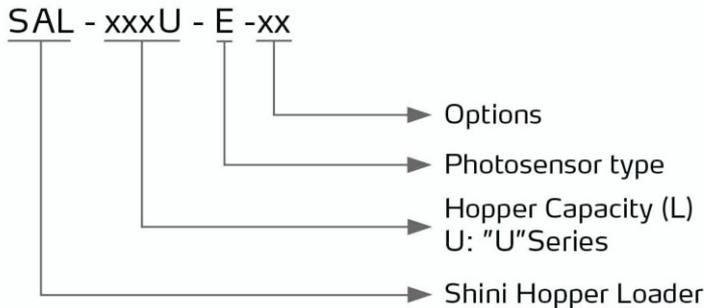
SAL-6U



Refer carefully to the manual before operation.

SAL-U Series

Coding Principle



SAL-1U

Features

- Compact and lightweight, and the high-speed carbon brush motor easy installation and superior vacuum.
- User-friendly extended wire controller. All models equipped with auto-purge function and a cloth filter.
- Preventive service alert for motor's carbon brush.
- Controller build-in proportional valve SPV-U control function.
- Left and right 360-degree base mounting.
- All models equipped with auto-purge function, a cloth filter, and purge alarm.

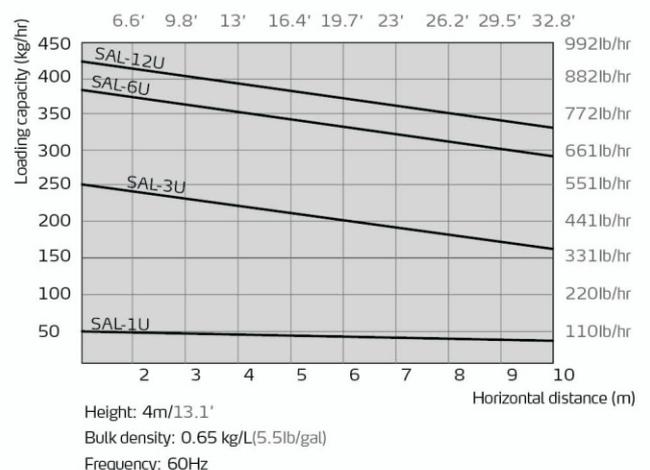
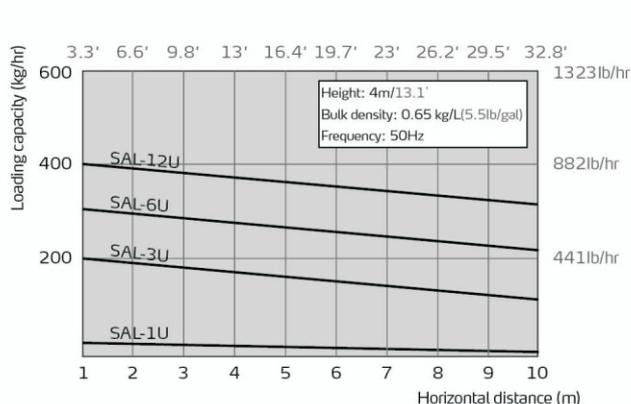


Air Accumulator

Options

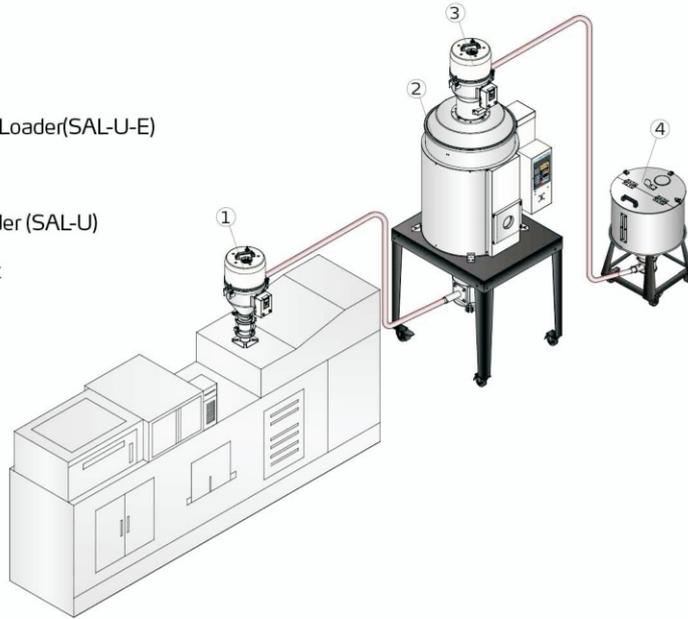
- Optional air accumulator for max auto-purge function (available on 6U/12U only). Add "A" at the end of the model code.
- Optional enhanced mixing technology for proportional valve SPV-U application. Add "QM" at the end of the model code.
- Optional internal polished hopper loader. Add "P" at the end of the model code.

Conveying Capacity

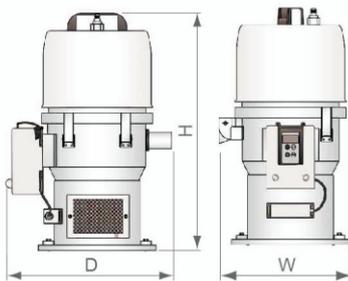


Application

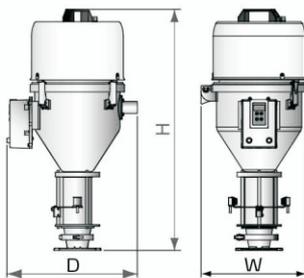
1. Photosensor Hopper Loader(SAL-U-E)
2. Hopper dryer
3. Vacuum Hopper Loader (SAL-U)
4. Material storage tank



Outline Drawings



SAL-U



SAL-U-E

Specifications

Model	SAL-1U	SAL-3U	SAL-6U	SAL-12U	SAL-1U-E	SAL-3U-E	SAL-6U-E	SAL-12U-E		
Motor Type	Carbon brush									
Motor Power (kW, 50/60Hz)	0.46/0.53		1.15/1.32		0.46/0.53		1.15/1.32			
Conveying Pipe Dia. (inch)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
Conveying Capacity (50/60Hz)	kg/hr	30/50	200/250	300/383	400/425	30/50	200/250	300/383	400/425	
	lb/hr	66/110	441/551	661/845	882/937	66/110	441/551	661/845	882/937	
Hopper Capacity	L	1	3	6	12	1.5	3	6	12	
	gal	0.26	0.79	1.59	3.17	0.4	0.79	1.59	3.17	
Hinge Hopper Cover	●	●	●	●	●	●	●	●		
Compress Air Purge	●	●	●	●	●	●	●	●		
Air Accumulator	-	-	○	○	-	-	○	○		
Dimension	H	mm	525	555	645	745	630	740	800	940
		inch	20.7	21.8	25.4	29.3	24.8	29.1	31.5	37
	W	mm	240	305	340	340	270	305	340	340
		inch	9.5	12	13.4	13.4	10.5	12	13.4	13.4
	D	mm	325	370	410	410	325	370	410	410
		inch	12.8	14.6	16.1	16.1	12.8	14.6	16.1	16.1
Weight	kg	10	11	12	14	11	13	16	18	
	lb	22	24.3	26.5	30.9	24.3	28.7	35.3	39.7	

Notes:1) Test condition of conveying capacity: plastic material of bulk density 0.65kg/L(5.5lb/gal), dia. 3-5mm/0.12-0.2inch, vertical conveying height: 4m/13.1Feet, horizontal conveying distance: 1m/3.28Feet.

2) Compressed air supply: 4-6kgf/cm².

2) "●" stands for standard, "○" stands for options, "-" stands for none.

4) Power Supply: 1Φ, 115/230VAC, 50/60Hz

Separate-vacuum Hopper Loader

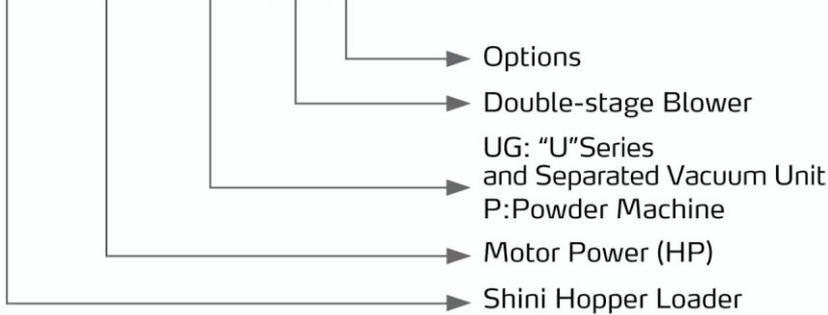
SAL-20HP-UG & SHR-48U



Refer carefully to the manual before operation.

■ Coding Principle

SAL - xxHP-UG(P)-(D)-xx



SAL-5HP-UG&SHR-24U-E

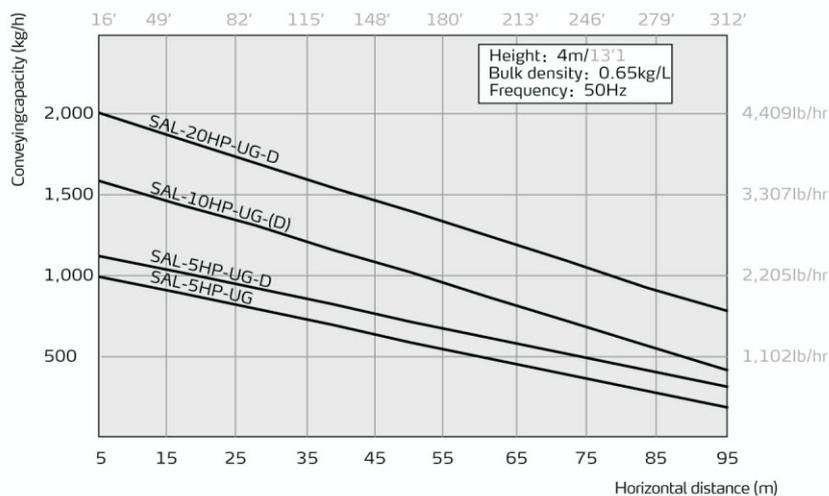
■ Features

- Two-stage cyclone and filter technology with large dust bin for quick and easy maintenance.
- Controller build-in proportional valve SPV-U control function.
- Standard vacuum breaking valve for quick material discharge.
- Stainless steel hopper receiver.
- All series of models have standard filter purging devices
- All series of models are equipped with standard filter purging devices

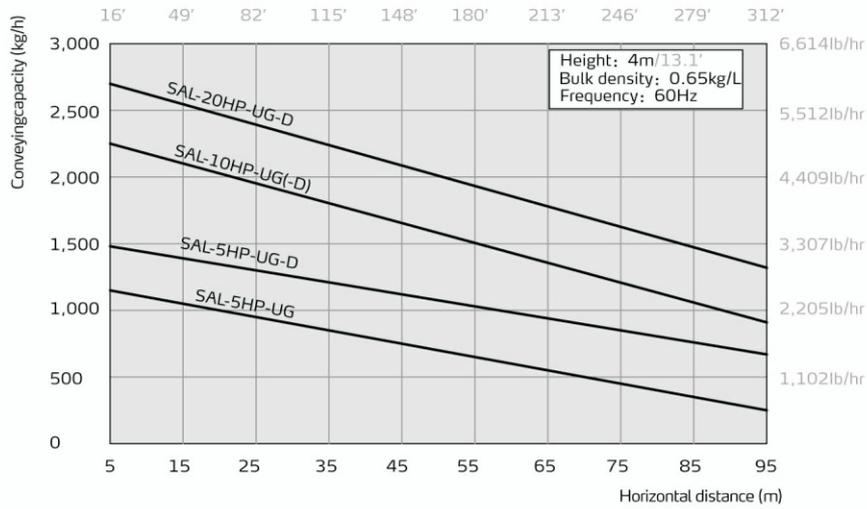


Vacuum breaking valve

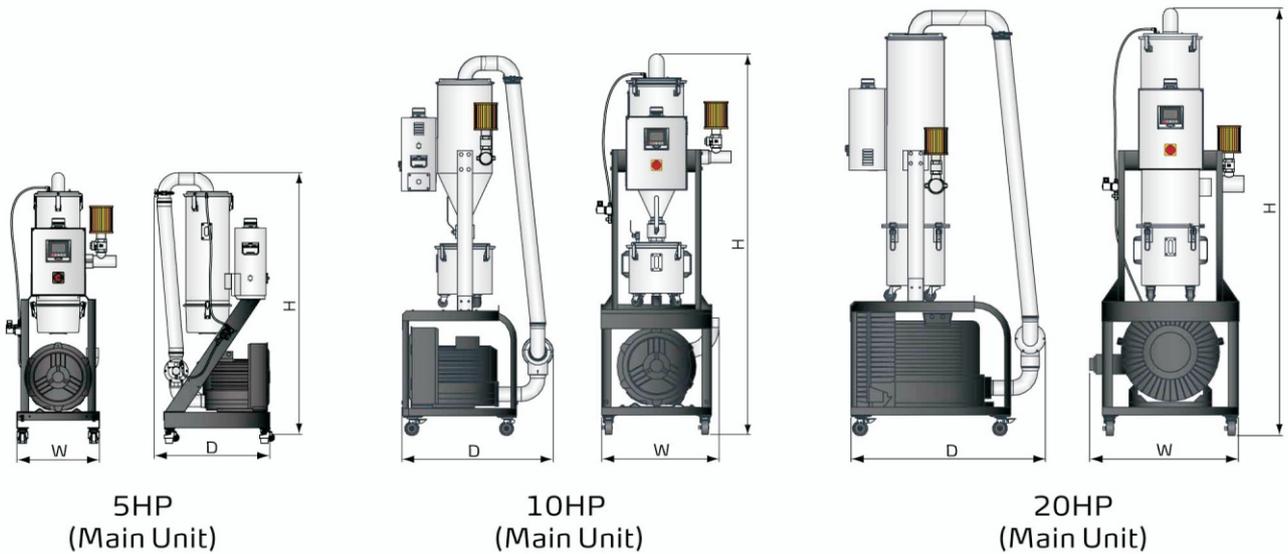
■ SAL-UG Conveying Capacity



SAL-UG/UGP Series



SAL-UG Outline Drawings



SAL-UGP Outline Drawings





■ SAL-UG Specifications

Main Unit					Hopper Receiver				Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)	Conveying Capacity (50/60Hz)			
Model	Motor Power(kW) (50/60Hz)	Dimension H×W×D		Weight		Applied to		Hopper Capacity			kg/hr	lb/hr		
		mm	inch	kg	lb	L	gal	kg					lb	
SAL-5HP-UG	3.75/4.2	1380×470×600	54.3×18.5×23.6	74	163	SHR-24U×1 SVH-24L×1	24	6.4	9	20	2	2	1000/ 1100	2205/ 2423
SAL-5HP-UG-D	3.4/3.8	1380×670×600	54.3×26.4×23.6	76	168				13	29			1125/ 1480	2480/ 3260
SAL-10HP-UG	7.5/8.6	2015×620×795	79.3×24.4×31.3	160	353	SHR-36U ×1	36	9.5	11	24	2	2.5	1600/ 2250	3527/ 4957
SAL-10HP-UG-D		2015×790×795	79.3×31.1×31.3	162	357				15	33			2000/ 2700	4409/ 5948
SAL-20HP-UG-D	13/18.7	2200×745×1000	86.6×29.3×39.4	236	520	SHR-48U ×1	48	12.7	15	33	2.5	3	2000/ 2700	4409/ 5948

- Notes: 1) "SVH-L" stands for photosensor hopper receiver, "SHR-U" refers to vacuum hopper receiver.
 2) Test condition of conveying capacity: Plastic material of bulk density 0.65kg/L(5.5lb/gal), dia. 3~5mm/0.12~0.2inch, vertical conveying height: 4m/13.1feet, horizontal conveying distance: 5m/16.4feet.
 3) Power supply: 3Φ, 230/400/460/575V, 50/60Hz

■ SAL-UGP Specifications (With cloth filter, this series is suitable for conveying materials containing 30% powder.)

Main Unit		Hopper Receiver							Cloth Filter Quantity	(Main Unit) H×W×D			
Model	Motor Power (kW, 50/60Hz)	Applied to	Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)	Hopper Capacity		Hopper Dia.			Conveying Capacity(50HZ)		mm	inch
					L	gal	mm	inch	kg/hr	lb/hr			
SAL-1HP-UGP	0.75/0.85	SHR-P-12U	1.5	1.5	12	3.2	Φ270	Φ10.6	300	661	3	1000×400×500	39.4×15.7×19.7
SAL-2HP-UGP	1.5/1.8	SHR-P-30U			30	7.9	Φ380	Φ15	400	882			
SAL-3HP-UGP	1.85/2.0	SHR-P-60U	2	2	60	15.9	Φ440	Φ17.3	650	1433	10	1380×470×600	54.3×18.5×23.6
SAL-5HP-UGP	3.75/4.2								1200	2646			
SAL-5HP-UGP-D										1350	2976		1380×670×600
SAL-10HP-UGP	7.5/8.6	SHR-P-90U	2.5	2.5	90	23.8	Φ550	Φ21.7	2000	4409	19	2015×620×795	79.3×24.4×31.3
SAL-10HP-UGP-D												2015×790×795	79.3×31.1×31.3

We reserve the right to change specifications without prior notice.

SAL-UGP Specifications (With plate filter, this series is suitable for conveying materials containing 100% powder.)

Main Unit		Hopper Receiver							Plate Filter-Quantity	(Main Unit) H×W×D			
Model	Motor Power (kW, 50/60Hz)	Applied to	Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)	Hopper Capacity		Hopper Dia.			Conveying Capacity(50HZ)		mm	inch
					L	gal	mm	inch	kg/hr	lb/hr			
SAL-1HP-UGP	0.75/0.85	SHR-P-30U-1	1.5	1.5	30	7.9	Φ270	Φ10.6	300	661	1	1000×400×500	39.4×15.7×19.7
SAL-2HP-UGP	1.5/1.8	SHR-P-30U-2			30	7.9	Φ380	Φ15	400	882			
SAL-3HP-UGP	1.85/2.0	SHR-P-60U-3	2	2	60	15.9	Φ440	Φ17.3	650	1433	3	1380×470×600	54.3×18.5×23.6
SAL-5HP-UGP	3.75/4.2								1200	2646			
SAL-5HP-UGP-D										1350	2976		1380×670×600
SAL-10HP-UGP	7.5/8.6	SHR-P-90U-5	2.5	2.5	90	23.8	Φ550	Φ21.7	2000	441	5	2015×620×795	79.3×24.4×31.3
SAL-10HP-UGP-D												2015×790×795	79.3×31.1×31.3

- Notes: 1) Test condition of conveying capacity: Use dried powder plastic material without any viscosity and its bulk density is 0.6kg/L(5.5lb/gal), vertical conveying height: 4m/13.1feet, horizontal conveying distance: 5m/16.4feet.
 2) Power supply: 3Φ, 230/400/460/575V, 50/60Hz.

We reserve the right to change specifications without prior notice.



"Multi-station" Hopper Loader

SAL-5HP-UG124 & SHR-12U-S

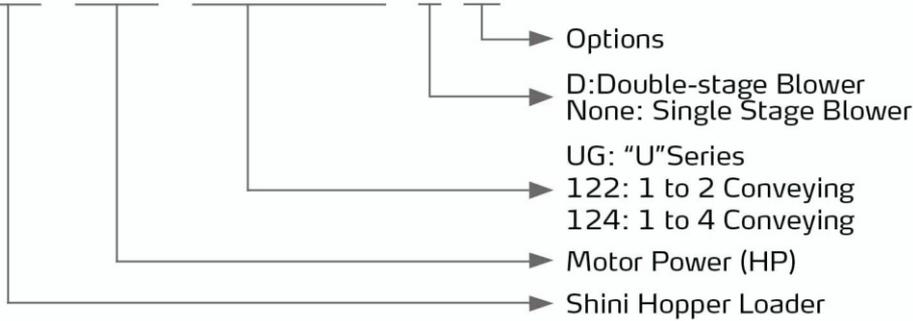


Refer carefully to the manual before operation.

SAL-UG122/UG124 Series

Coding Principle

SAL - xxHP - UG122/124 - D -xx



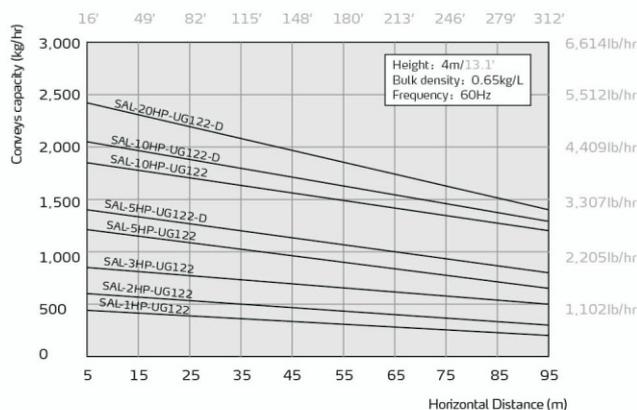
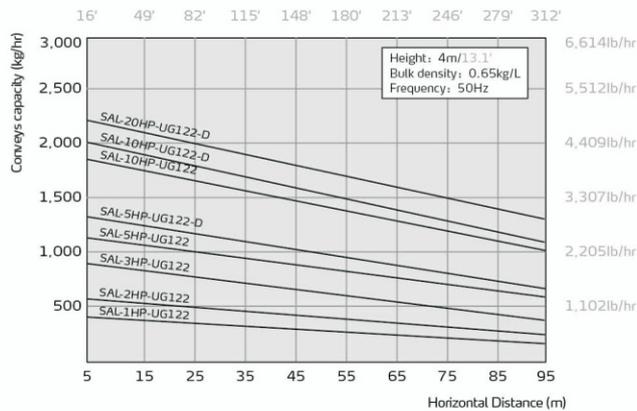
Features

- One main vacuum unit for 2 or 4 hopper receivers, suitable for height or long-distance conveying.
- Two-stage cyclone and filter technology with large dust bin for quick and easy maintenance.
- Standard vacuum breaking valve for quick material discharge, maximize load, and energy consumption.
- Industrial grade safety plug ensures safe and reliable operation.



Vacuum breaking valve

Conveying Capacity (SAL-UG122)



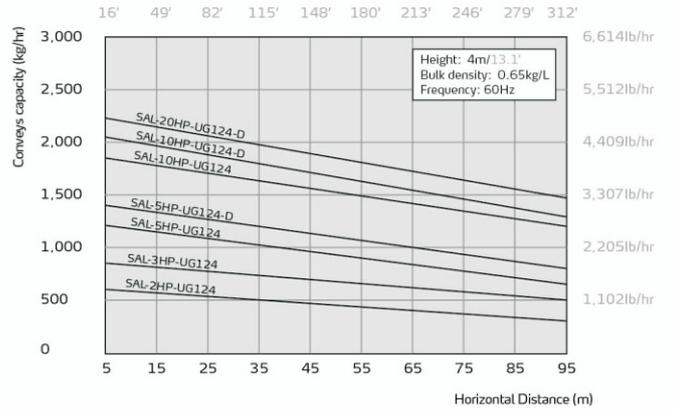
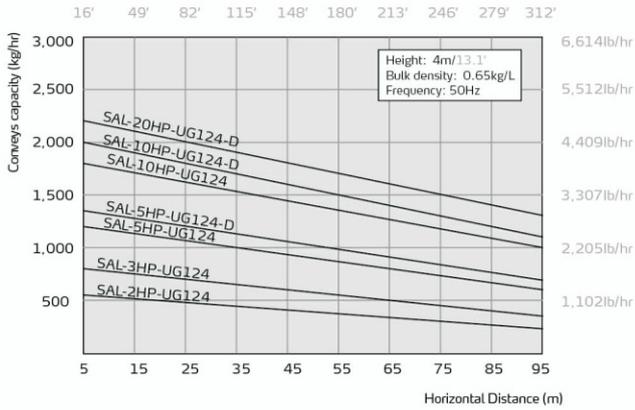
Options

**Air accumulator
 auto purging device**

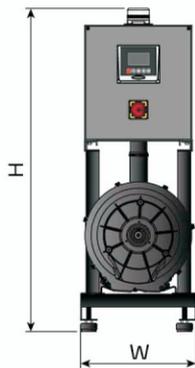


SAL-UG122/124 Series

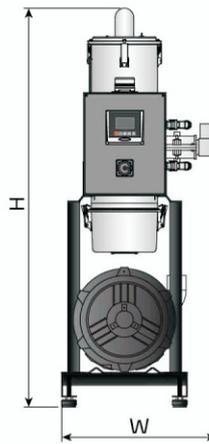
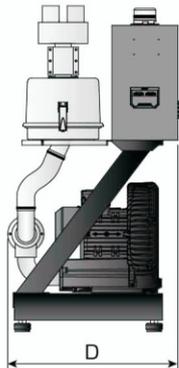
Conveying Capacity (SAL-UG124)



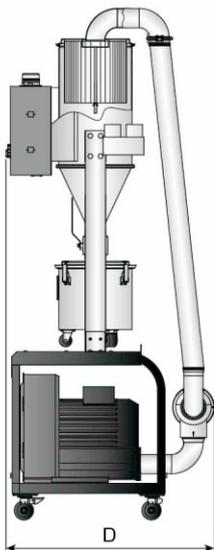
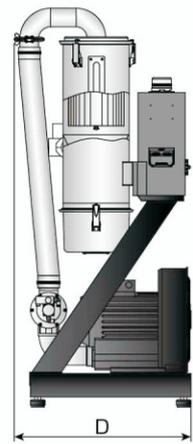
SAL-UG122 Outline Drawing



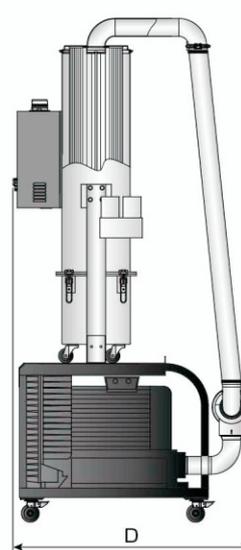
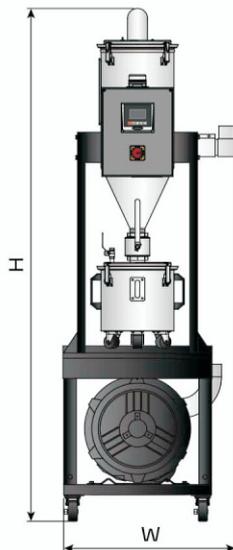
SAL-1HP/2HP/3HP-UG122



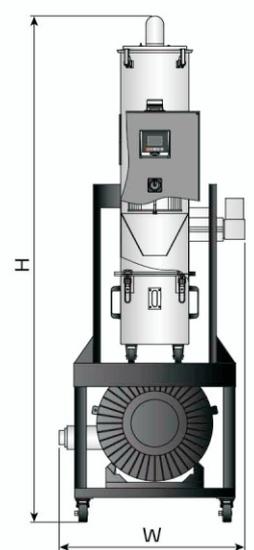
SAL-5HP-UG122(-D)



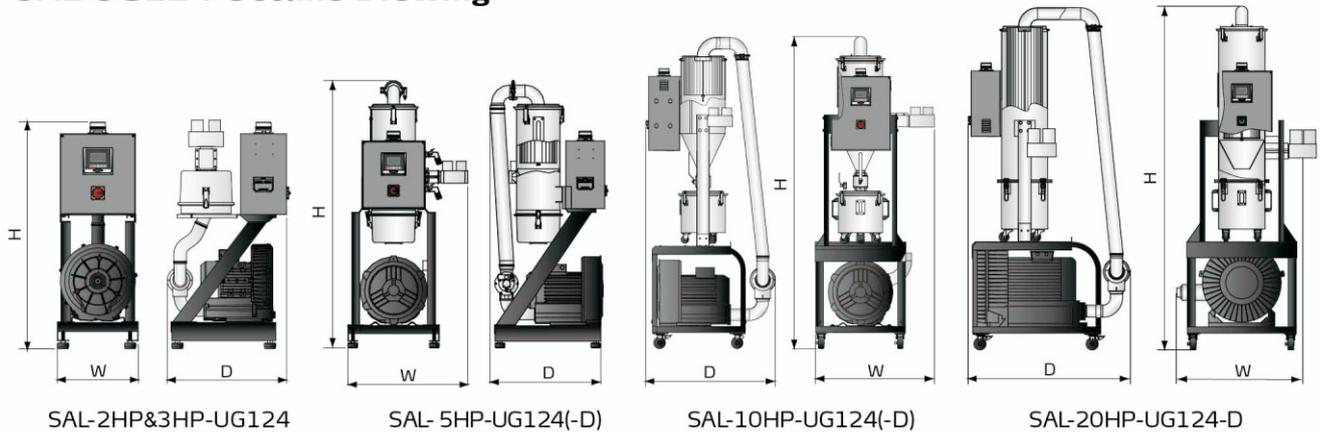
SAL-10HP-UG122(-D)



SAL-20HP-UG122-D



SAL-UG124 Outline Drawing



SAL-UG122 Specifications

Model	Main Unit				Hopper Receiver				Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)	Conveying Capacity (50/60Hz)			
	Motor Power (kW, 50/60Hz)	Dimension H×W×D		Weight		Applied to	Capacity				Weight		kg/hr	lb/hr
		mm	inch	kg	lb		L	gal			kg	lb		
SAL-1HP-UG122	0.75/0.85	988×350×515	38.9×13.8×20.3	52	115	SHR-3U-S×2	3	0.8	4.5	9.9	1.5	2	400/440	882/969
SAL-2HP-UG122	1.5/1.8			56	123	SHR-6U-S×2	6	1.6	7.5	17	1.5	2	550/600	1213/1322
SAL-3HP-UG122	1.85/2.0			60	132	SHR-12U-S×2					1.5	2	800/850	1764/1873
SAL-5HP-UG122	3.75/4.2	1359×523×600	53.5×20.6×23.6	175	386	SHR-12U-S×2	12	3.2	9	20	1.5	2	1200/1210	2646/2666
SAL-5HP-UG122-D	3.4/3.8	1359×639×600	53.5×25.2×23.6	180	397	SHR-12U-S×2					1.5	2	1350/1400	2976/3084
SAL-10HP-UG122	7.5/8.6	2015×675×817	79.3×26.6×32.2	185	408	SHR-36U-S×2	36	9.5	12	26	2	2.5	1800/1850	3968/4076
SAL-10HP-UG122-D		2015×845×817	79.3×33.3×32.2	192	423	SHR-36U-S×2							2000/2050	4409/4516
SAL-20HP-UG122-D	13/15	2200×745×1000	86.6×29.3×39.4	246	542	SHR-48U-S×2	48	12.7	20	44	2.5	3	2200/2420	4850/5331

Notes: 1) Test condition of conveying capacity: Plastic material of bulk density 0.65kg/L(5.5lb/gal), dia. 3-5mm/0.12-0.2inch, vertical conveying height: 4m/13.1feet, horizontal conveying distance: 5m/16.4feet.
 2) Power supply: 3Φ, 230/400/460/575V, 50/60Hz.

SAL-UG124 Specifications

Model	Main Unit				Hopper Receiver				Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)	Conveying Capacity			
	Motor Power (kW, 50/60Hz)	Dimension H×W×D		Weight		Applied to	Capacity				Weight		kg/hr	lb/hr
		mm	inch	kg	lb		L	gal			kg	lb		
SAL-2HP-UG124	1.5/1.8	985×350×516	38.8×13.8×20.3	60	132	SHR-3U-S×4	3	0.8	4.5	9.9	1.5	2	550/600	1213/1322
SAL-3HP-UG124	1.85/2.0			65	143	SHR-6U-S×4	6	1.6	7.5	17	1.5	2	800/850	1764/1873
SAL-5HP-UG124	3.75/4.2	1384×620×571	54.5×24.4×22.5	175	386	SHR-12U-S×4	12	3.2	9	20	1.5	2	1200/1210	2646/2666
SAL-5HP-UG124-D	3.4/3.8	1384×659×571	54.5×25.9×22.5	180	397	SHR-12U-S×4					1.5	2	1350/1400	2976/3084
SAL-10HP-UG124	7.5/8.6	2020×765×836	79.5×30.1×32.9	185	408	SHR-36U-S×4	36	9.5	12	26	2	2.5	1800/1850	3968/4076
SAL-10HP-UG124-D		2020×934×836	79.5×36.8×32.9	192	423	SHR-36U-S×4							2000/2050	4409/4516
SAL-20HP-UG124-D	13/14.9	2200×840×1000	86.6×33×39.4	246	542	SHR-48U-S×4	48	12.7	20	44	2.5	3.0	2200/2250	4850/4960

Notes: 1) Test condition of conveying capacity: Plastic material of bulk density 0.65kg/L(5.5lb/gal), dia. 3-5mm/0.12-0.2inch, vertical conveying height: 4m/13.1feet, horizontal conveying distance: 5m/16.4feet.
 2) Power supply: 3Φ, 230/400/460/575V, 50/60Hz.

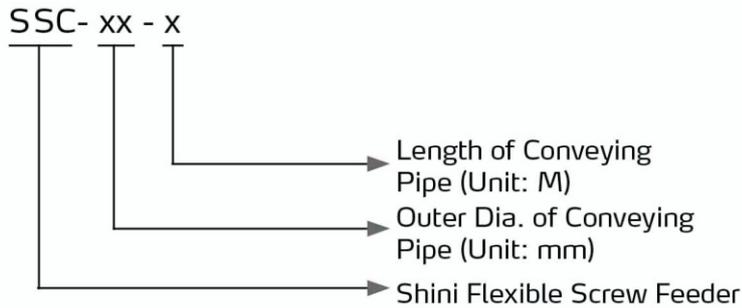
Flexible Screw Feeder

SSC-50 & MST-5



Refer carefully to the manual before operation.

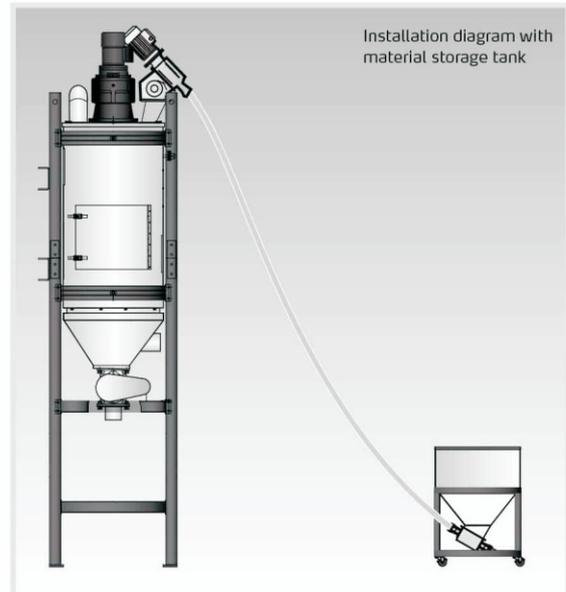
■ Coding Principle



Material Outlet

■ Features

- Effectively avoid material stratification during conveying process.
- Fully closed conveying line, free from contamination.
- Flexible conveying line brings maximum convenience of installation, best compatibility with other conveying equipments.
- Reverse phase protector is adopted to avoid that the motor is working in the reverse direction.
- Standard conveying pipeline is 5m/197.5 inch which can reach be lengthened to 7m/276 inch.

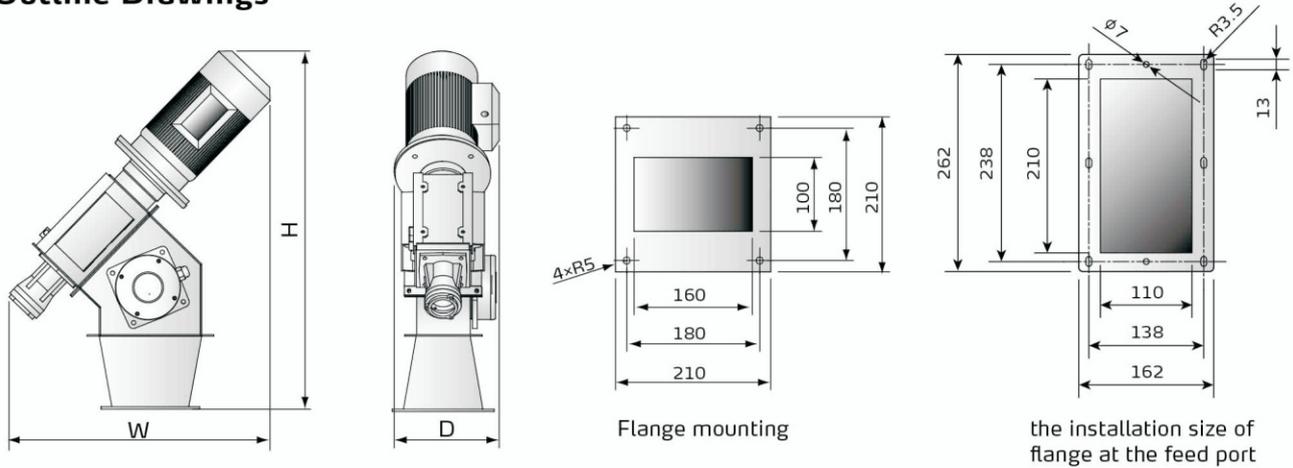


■ Application

SSC series flexible screw feeders adopt motor-driven screws for raw material conveying, applicable to convey regrinds, virgin materials, powders and their mixtures with features of easy installation and maintenance. It can work with other Shini's products, such as PET crystallizer, and blender (must be mounted on the customized flange). Two models of SSC-50/65 available with max. horizontal conveying capacity of up to 1,900 kg/hr (4,189 lb/hr).

SSC Series

Outline Drawings



Specifications

Model	Outer Dia.		Motor Power (kW, 50/60Hz)	Motor Rotating Speed (RPM, 50/60Hz)	Radius		Bulk Density		Material	Conveying Capacity(50/60Hz)			
	mm	inch			mm	inch	kg/L	lb/gal		A=0°		A=45°	
SSC-50	Φ 50	Φ 2	0.75/0.85	940/1100	1,500	59	0.8	6.7	Pellet	800/	1,764/	700/	1,543/
							900	1,984		840	1,852		
							0.7	5.8		Powder	450/	992/	350/
540	1,190	420	926										
							0.3	2.5	Flake	300/	661/	250/	551/
							360	794		300	661		
SSC-65	Φ 65	Φ 2.5	1.1/1.26	945/1100	1,500	59	0.8	6.7	Pellet	1,900/	4,189/	1,400/	3,086/
							2,280	5,026		1,680	3,074		
							0.7	5.8		Powder	1,000/	2,205/	800/
1,200	2,646	960	2,116										
							0.3	2.5	Flake	600/	1,323/	500/	1,102/
							720	1,587		600	1,323		

- Notes: 1) Bending radius of conveying pipeline should be more than 1.5m/59inch and its bending angle should be more than 120° to prevent overload, material blockage or spring fracture.
- 2) To be conveyed granule dia. : For SSC-50, it should be less than 4mm/0.16inch and for SSC-65, it should be less than 6mm/0.24inch or material could easily get stuck. Also we suggest not use it to convey flakes with more than 15mm in/0.59inch length.
- 3) Power supply: 3Φ, 230/400/460/575V, 50/60Hz.

Venturi Loader

VL-100



Refer carefully to the manual before operation.

VL Series

■ Coding Principle

VL - xx



VL-50

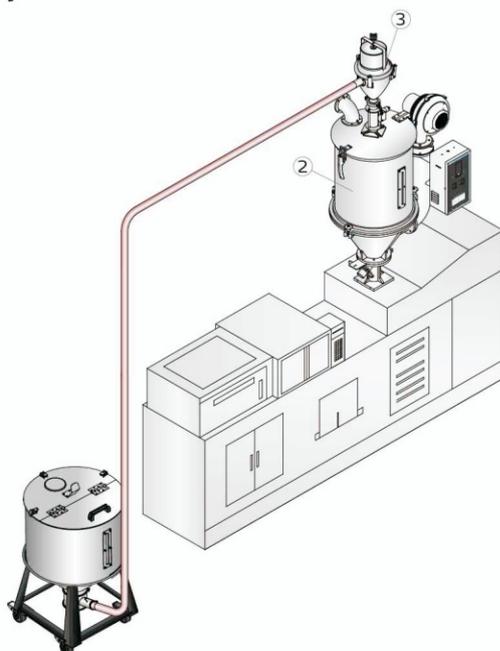
■ Features

- Light-weight and compact design.
- Exhaust air filter to reduce dust output.
- Silent operation, it uses high-pressure air to convey materials.
- Capacitive sensor mounted on the glass-tube for accurate level monitoring.
- Compressed air filter and regulator to eliminate moisture and maintain stable air pressure.
- Easy access to material hopper for convenient cleaning.

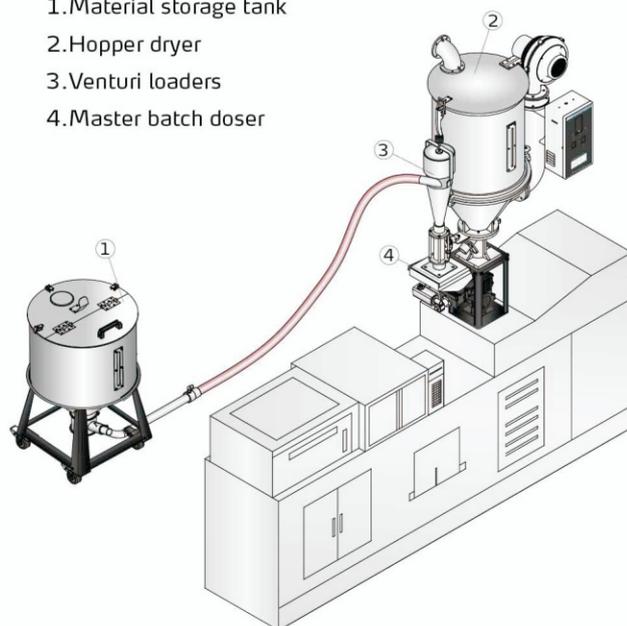


Filter and Control Units

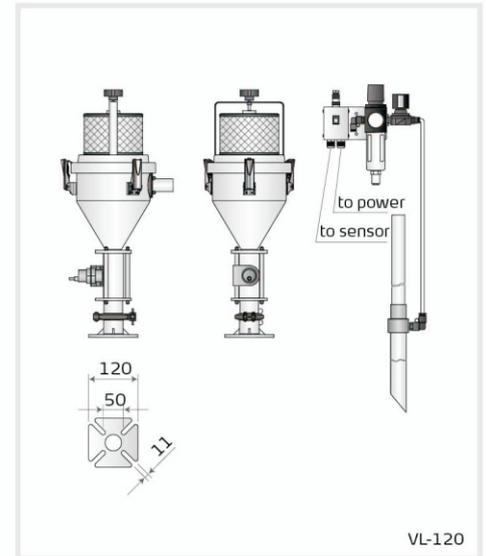
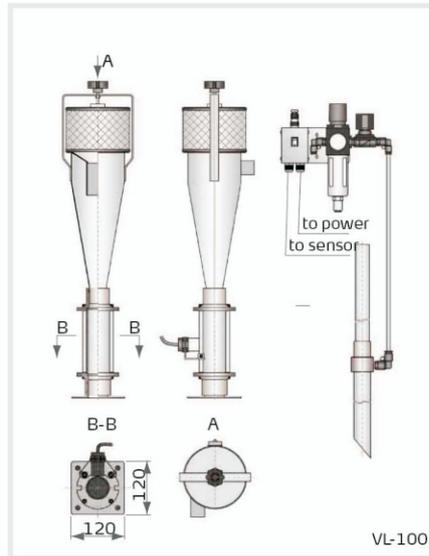
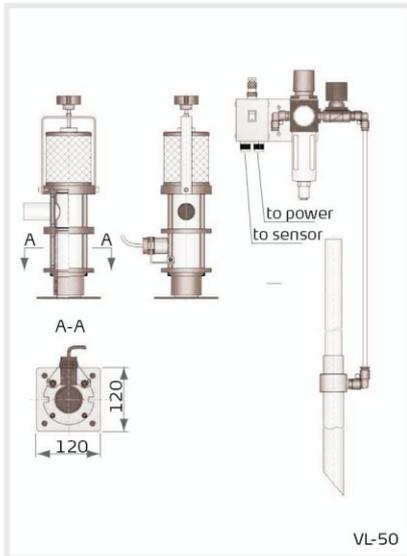
■ Application



1. Material storage tank
2. Hopper dryer
3. Venturi loaders
4. Master batch doser



Structure



Specifications

Model		VL-50	VL-100	VL-120
Conveying Capacity	kg/hr	40	60	80
	lb/hr	88	132	176
Material Hopper	L	0.5	2.8	3
	gal	0.13	0.74	0.79
Air Flow	L/hr	6,000	6,000	6,000
	gal/hr	1,585	1,585	1,585
Compressed Air (kgf/cm ²)		6.0	6.0	6.0
Max. conveying distance	m	6	6	6
	inch	236	236	236
Conveying Pipe (inch)		1.25	1.25	1.25
Length (L)	mm	900	900	900
	inch	35	35	35
Dimension (H×W×D)	mm	380 × 145 × 150	720 × 165 × 160	630 × 240 × 280
	inch	15 × 5.7 × 5.9	28.3 × 6.5 × 6.3	24.8 × 9.4 × 11
Weight	kg	4.5	7	7.5
	lb	9.9	15.4	16.5

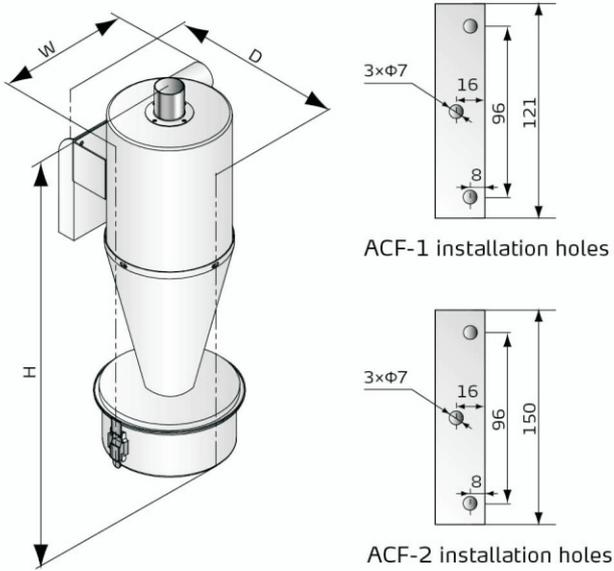
Notes: 1) Test condition of conveying capacity: Plastic material of bulk density 0.8kg/L(6.7lb/gal), dia. 3~5 mm/0.12~0.2inch, vertical conveying height: 2m/79inch, horizontal conveying distance: 1m/39inch.

2) Power supply 1Φ, 115/230V, 50/60Hz.

We reserve the right to change specifications without prior notice.

Accessories

ACF



Features

- ACF filter with SAL-G hopper loader in the dusty application.
- It is mounted on vacuum line of the main vacuum unit.
- It features a detachable dust collection bin and reduces the maintenance cycle.

Model	Capacity (H×W×D)		Pipe diameter (inch)
	mm	inch	
ACF-1	mm	550×220×235	1.5
	inch	21.7×8.7×9.3	
ACF-2	mm	550×220×235	2.0
	inch	21.7×8.7×9.3	



MST-S

100, 200, 300 and 500kgs material storage tank for SSC screw feeding application.

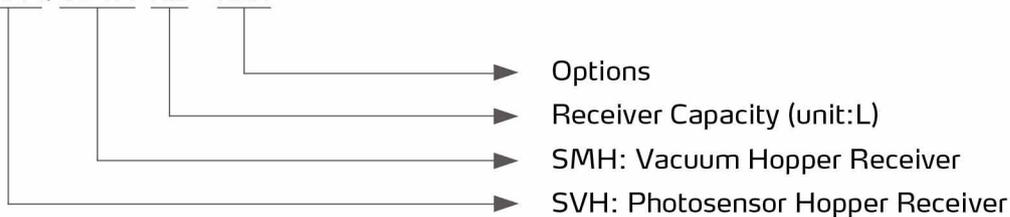
Model	MST-	100S	200S	300S	500S
H	mm	1287	1387	1637	1726
	inch	46.5	50.8	60.6	64.2
W	mm	621	821	943	1243
	inch	24.2	32	36.6	48.8
D	mm	625	825	947	1247
	inch	24.2	32	36.6	48.8
Weight	kg	52	66	80	110
	lb	115	146	176	243



SVH/SMH Series

■ Coding Principle

SVH/SMH-xL - xxx



■ Features

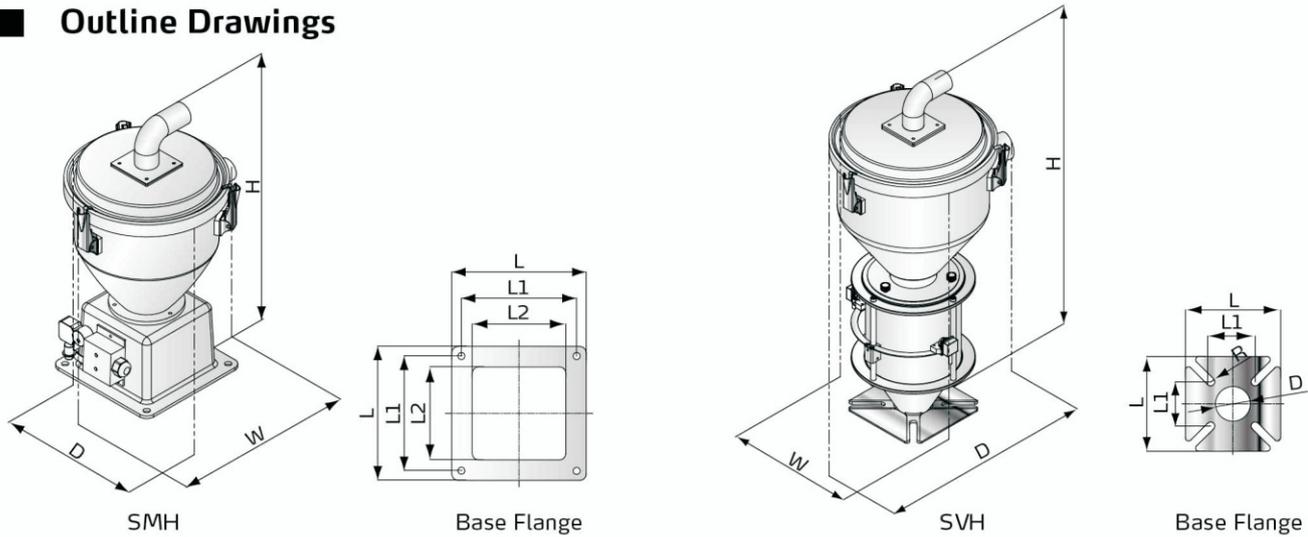
- This series of hopper receiver can work with most of the main vacuum units, such as SAL-G and SAL-UG series.
- SMH receiver is suitable for mounting on the dryer, storage tank, or machine hopper.
- SVH receiver is designed to be mounted directly on feeding throat of the plastic processing machine. It required no machine hopper and kept very little dried material before the process.
- Stainless steel hopper receiver.
- Standard equipped with steel wired mesh filter screen.

■ Options

- Optional enhanced mixing technology for proportional valve SPV-U application. Add "QM" at the end of the model code.

SVH/SMH Series

Outline Drawings



SVH Specifications

Model	Receiver			Conveying pipe dia. (inch)	Vacuum pipe dia. (inch)
	Capacity (L)	Dimension H×W×D (mm)	Weight (kg)		
SVH-3L	3	460×260×315	3	1.5	1.5
SVH-6L	6	600×260×305	7	1.5	1.5
SVH-12L	12	700×300×365	11	1.5	1.5
SVH-24L	24	1120×360×375	13	2	2

SVH Base mounting dimensions

Model	L(mm)	L1(mm)	D(mm)	R(mm)
SVH-3L	120	50	40	6.5
SVH-6L	150	70	55	6.5
SVH-12L	180	80	55	6.5
SVH-24L	180	80	80	6.5

SMH Specifications

Model	Receiver			Conveying pipe dia. (inch)	Vacuum pipe dia. (inch)
	Capacity (L)	Dimension H×W×D (mm)	Weight (kg)		
SMH-6L	6	460 × 260 × 315	7	1.5	1.5
SMH-12L	12	515 × 325 × 350	7	1.5	1.5
SMH-24L	24	720 × 325 × 375	9	2	2

SMH Base mounting dimensions

	L(mm)	L1(mm)	L2(mm)
SMH-6L	210	180	146
SMH-12L			
SMH-24L			

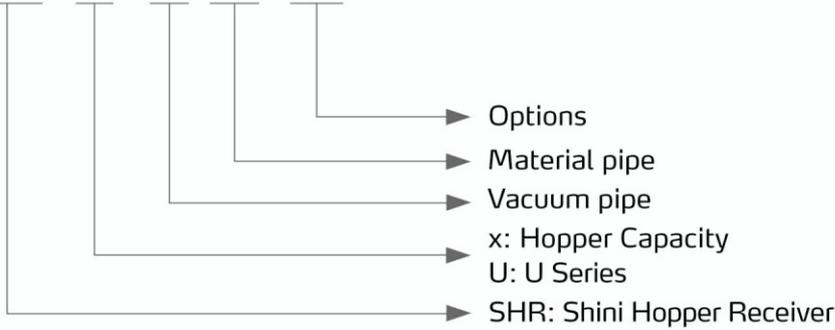


SHR-U

SHR-U Series

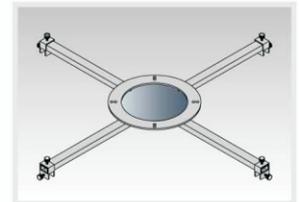
■ Coding Principle

SHR - xU - xA- xM - xxx



■ Features

- This series of hopper receiver can work with the most of main vacuum units and Shini compact dryer SCD, SAL-UG series required 4 pins receiver, and SCD series required 4 pins receiver.
- SHR-U receiver is suitable for mounting on the dryer, storage tank, or machine hopper.
- Stainless steel hopper receiver.
- Standard equipped with steel wired mesh filter screen.



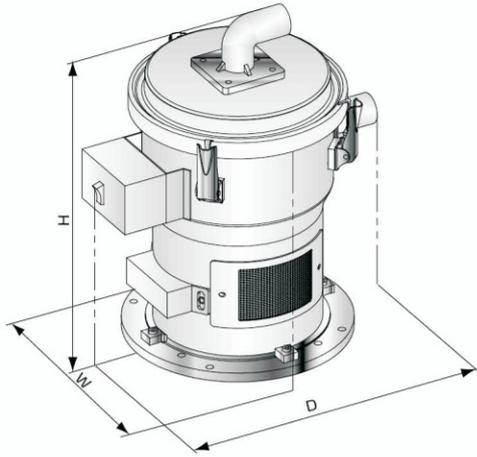
Multifunctional installation frame HMB

■ Options

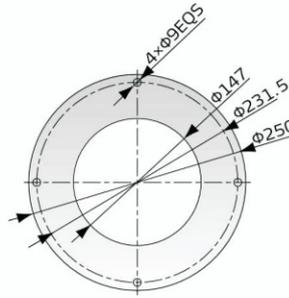
- Multi-functional installation frame HMB suitable for other mounting application with max. 900mm adjustable diameter. Add "HMB" at the end of the model code.
- Optional enhanced mixing technology for proportional valve SPV-U application. Add "QM" at the end of the model code.
- Anti-bridge option at the material outlet for SHR-48U. Applicable for flowing material but bridging from time to time only. Add "MB" at the end of the model code.

SHR-U-(E) Series

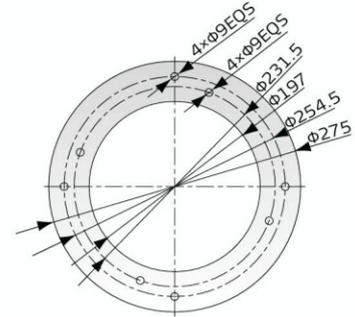
Outline Drawings



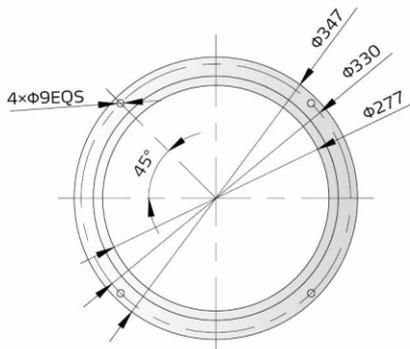
SHR-U



SHR-3U
Base Flange



SHR-6U~24U
Base Flange



SHR-36U~96U
Base Flange

Specifications

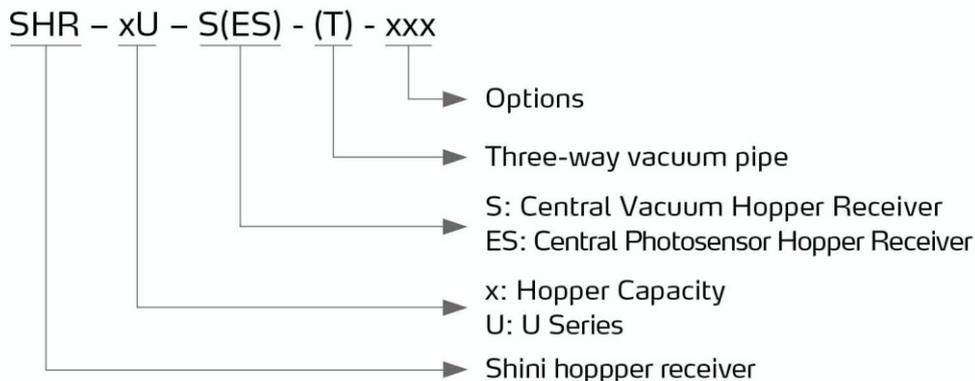
Model	Capacity (L)	Receiver		Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)
		Dimension(H×W×D) (mm)	Weight (kg)		
SHR-3U	3	380 × 250 × 330	4	1.5	1.5
SHR-6U	6	420 × 285 × 360	6	1.5	1.5
SHR-12U	12	470 × 315 × 400	7	1.5	1.5
SHR-24U	24	690 × 315 × 400	9	2	2
SHR-36U	36	822 × 348 × 457	11	2	2.5
SHR-48U	48	976 × 348 × 455	15	2.5	3
SHR-96U	96	1095 × 428 × 562	20	2.5	3



SHR-U-S

SHR-U-S(ES)-(T) Series

■ Coding Principle



■ Features

- This series of centralized hopper receiver can work with the most of central vacuum units such as SAL-UG 122/124 and central conveying system.
- SHR-U-S receiver is suitable for mounting on the dryer, storage tank, or machine hopper.
- SHR-U-E receiver is designed to be mounted directly on feeding throat of the plastic processing machine. It required no machine hopper and kept very little dried material before the process.
- SHR-U-S-T or SHR-U-ES-T can work with multi-component batch blending or injection application. The three-way vacuum pipe allows easy connection of vacuum pipe from receiver to receiver in short proximity application.
- Stainless steel hopper receiver.
- The vacuum valve is used to ensure a good vacuum line without compromising the most demanding conveying capacity.
- Standard equipped with steel wired mesh filter screen.



SHR-U-ES

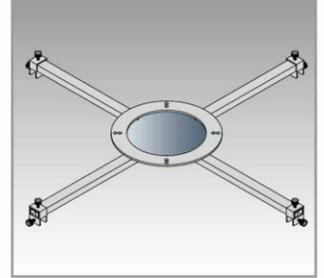


SHR-U-ST

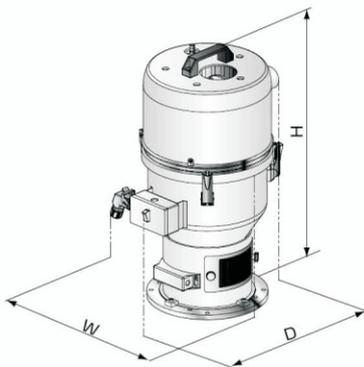
SHR-U-S/ES-(T) Series

Options

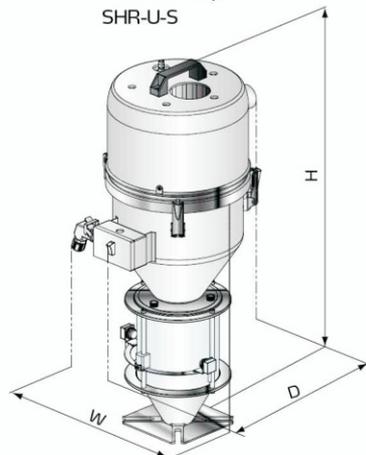
- Multiple-functional installation frame HMB suitable for other mounting application with max. 900mm adjustable diameter.
- The optional material one-way flap on each receiver to ensure good vacuum in the common material line conveying system. Add "RSV" at the end of the model code.
- The material discharge flap with extra thickness. Add "SD" at the end of the model code.
- Anti-bridge option at the material outlet for SHR-48U. Applicable for flowing material but bridging from time to time only. Add "MB" at the end of the model code.
- The optional pneumatic check valve is available for SHR-12U/24U/36U-S to avoid suck-back when the material pipe is shared by several hoppers, and add "PSV" at the end of the model code.



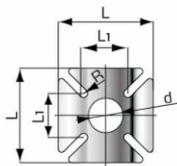
Multifunctional installation frame



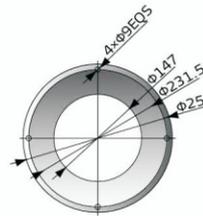
SHR-U-S



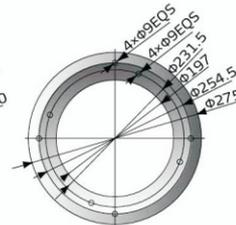
SHR-U-ES



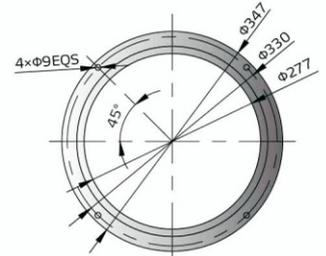
SHR-U-ES Base Flange



SHR-3U-S Base Flange



SHR-6U-S-SHR-24U-S Base Flange



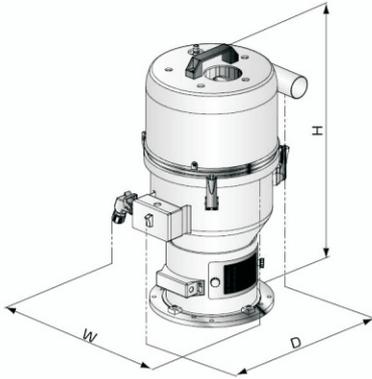
SHR-36U-S-SHR-96U-S Base Flange

SHR-U-S Specifications

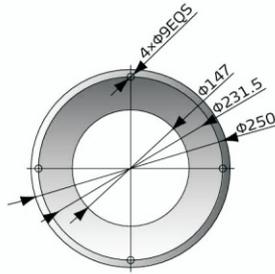
Model	Capacity (L)	Receiver		Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)
		Dimension (H×W×D)(mm)	Weight (kg)		
SHR-3U-S	3	600 × 270 × 340	4.5	1.5	2
SHR-3U-ES		745 × 270 × 330			
SHR-6U-S	6	560 × 305 × 375	7.5	1.5	2
SHR-6U-ES		730 × 305 × 375			
SHR-12U-S	12	615 × 335 × 405	9	1.5	2
SHR-12U-ES		810 × 335 × 405			
SHR-24U-S	24	825 × 335 × 405	11	2	2.5
SHR-24U-ES		1255 × 400 × 405			
SHR-36U-S	36	1094 × 394 × 469	12	2	2.5
SHR-48U-S	48	1242 × 394 × 456	18	2.5	3
SHR-96U-S	96	1474 × 475 × 556	23	2.5	3

SHR-U-S Base mounting dimensions

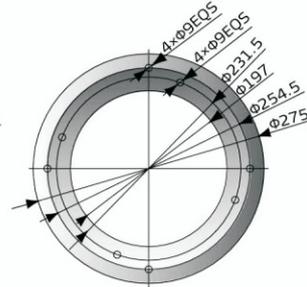
Model	L (mm)	L1 (mm)	d (mm)	R (mm)
SHR-3U-ES	120	50	40	6.5
SHR-6U-ES	150	70	55	6.5
SHR-12U-ES	180	80	55	6.5
SHR-24U-ES	180	85	80	6.5



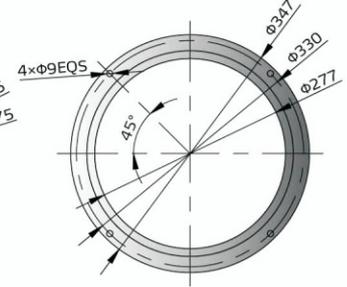
SHR-U-ST



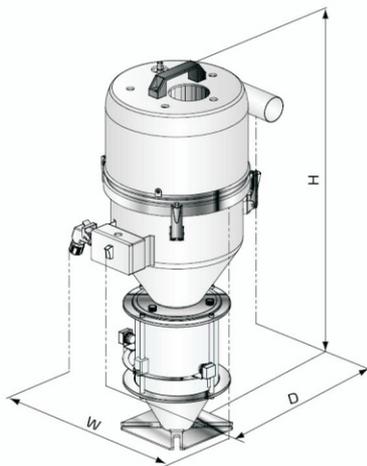
SHR-3U-ST
Base Flange



SHR-6U-S-SHR-24U-ST
Base Flange



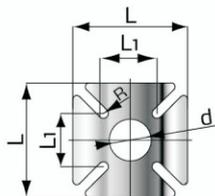
SHR-36U-ST-SHR-48U-ST
Base Flange



SHR-U-EST

SHR-U-ST Specifications

Model	Hopper capacity (L)	Receiver		Conveying Pipe Dia. (inch)	Air Suction Pipe Dia. (inch)
		Dimension (H×W×D) (mm)	Weight (kg)		
SHR-3U-ST	3	600 × 260 × 370	4.5	1.5	2
SHR-3U-EST		745 × 235 × 370			
SHR-6U-ST	6	560 × 290 × 400	7.5	1.5	2
SHR-6U-EST		727 × 280 × 400			
SHR-12U-ST	12	615 × 305 × 440	9	1.5	2
SHR-12U-EST		810 × 305 × 440			
SHR-24U-ST	24	825 × 305 × 455	11	2	2.5
SHR-24U-EST		1255 × 400 × 455			
SHR-36U-ST	36	1094 × 349 × 510	12	2	2.5
SHR-48U-ST	48	1242 × 349 × 504	18	2.5	3



SHR-U-EST
Base Flange

SHR-U-EST Base mounting dimensions

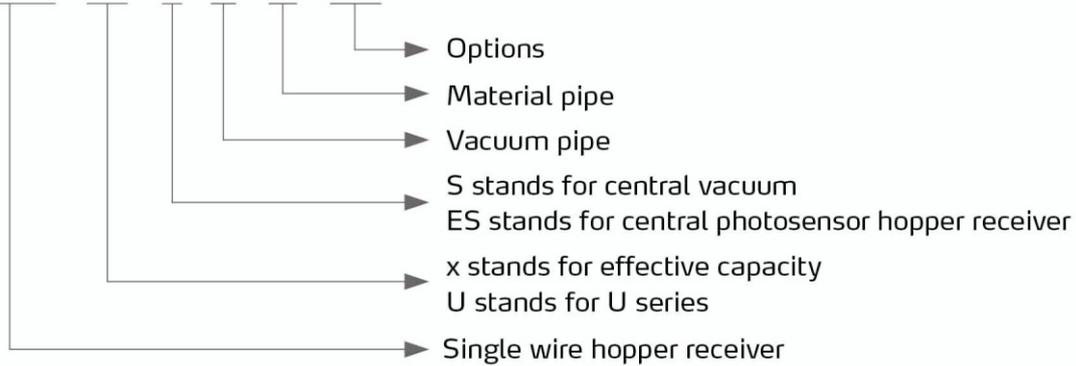
Model	L (mm)	L1 (mm)	d (mm)	R (mm)
SHR-3U-EST	120	50	40	6.5
SHR-6U-EST	150	70	55	6.5
SHR-12U-EST	180	80	55	6.5
SHR-24U-EST	180	85	80	6.5



SLHR-U-S Series

■ Coding Principle

SLHR - xU - S - A - M - xxx



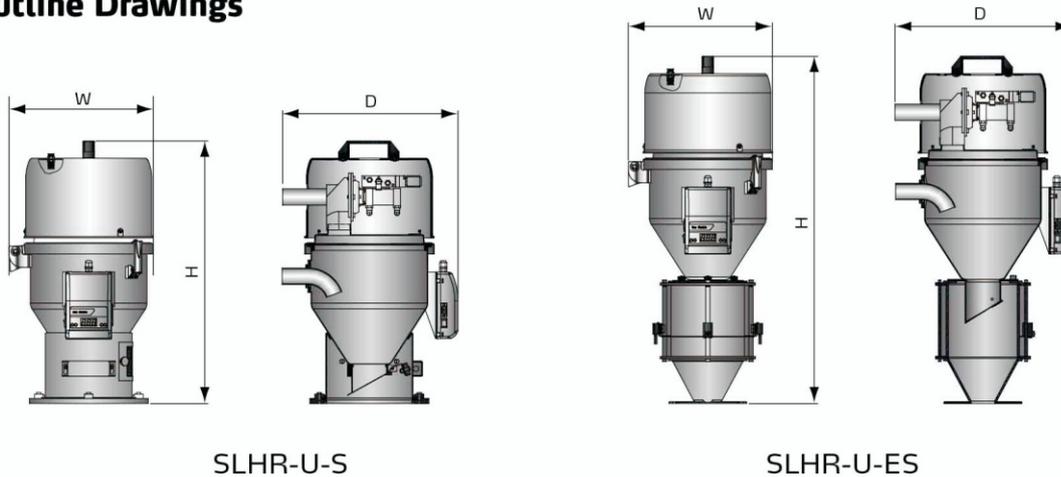
■ Features

- This product is mainly used for single wire central conveying system.
- SLHR-3U/6U/12U material pipe and vacuum pipe with a selection of 1.5" or 2" pipe.
- SLHR-U-24U material pipe and vacuum pipe with a selection of 2" or 2.5" pipe.
- The glass pipe is installed at the bottom of SLHR-U-E for temporary storage to ensure no material shortage during the conveying to realize continuous production.
- Stainless steel hopper ensures no material contamination.
- Equipped with vacuum separating valve that can effectively open/close the vacuum loop.
- Standard equipped with steel mesh filter.

Options

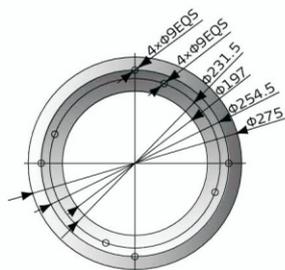
- The machine can select the backstop to avoid air leakage of the single wire central conveying system when sharing the material pipe, and add "RSV" at the end of the model code.
- SLHR-6U/12U/24U-S can select the pneumatic valve to avoid material return when sharing the single material pipe, and add "PSV" at the end of the model code.

Outline Drawings

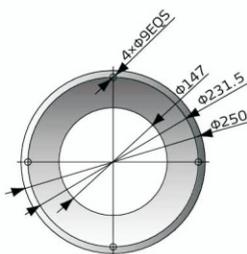


SLHR-U-S

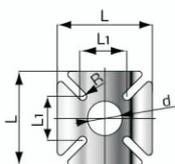
SLHR-U-ES



SLHR-6U-S-36U-S
mounting base



SLHR-3U-S
mounting base



SLHR-U-ES
mounting base

Specifications

Model	Capacity (L)	Dimension (H×W×D) (mm)	Weight (kg)	Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)
SLHR-3U-S	3	600×270×335	4.5	1.5/2	1.5/2
SLHR-3U-ES		745×270×330			
SLHR-6U-S	6	565×305×385	7.5	1.5/2	1.5/2
SLHR-6U-ES		730×305×385			
SLHR-12U-S	12	615×335×410	9	1.5/2	1.5/2
SLHR-12U-ES		810×335×410			
SLHR-24U-S	24	825×335×405	11	2/2.5	2/2.5
SLHR-24U-ES		1255×400×405			

SLHR-U-ES base installation dimension

Model	L(mm)	L1(mm)	D(mm)	R(mm)
SLHR-3U-ES	120	50	40	6.5
SLHR-6U-ES	150	70	55	6.5
SLHR-12U-ES	180	80	55	6.5
SLHR-24U-ES	180	85	80	6.5

We reserve the right to change specifications without prior notice.

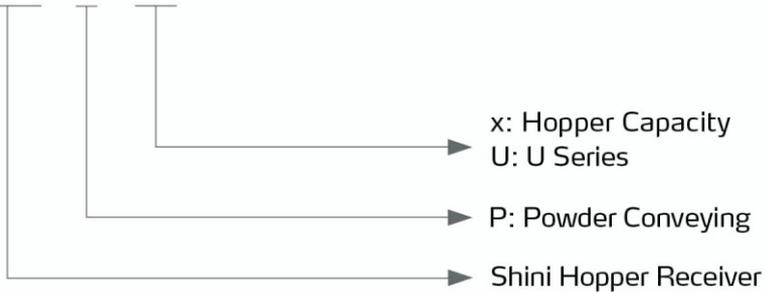


SHR-P-30U

SHR-P-U Series

■ Coding Principle

SHR - P - xU

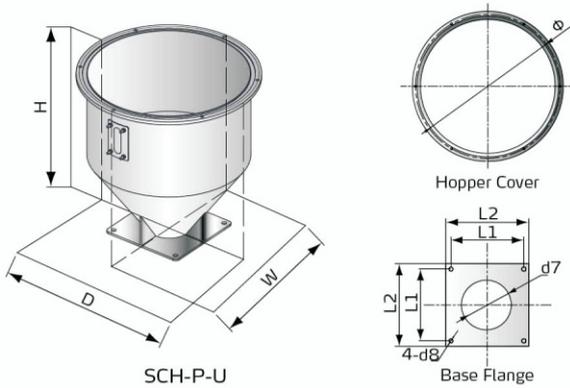


■ Features

- This series of power receiver can work with the main vacuum units such as SAL-UGP.
- SHR-P-U consists of two categories, the cloth mesh filter and the plate filter. Cloth mesh filter is used to convey materials with powder content $\leq 30\%$, plate filter is used to convey materials with powder content $> 30\%$.
- Stainless steel hopper receiver.
- The vacuum valve is used to ensure a good vacuum line without compromising the most demanding conveying capacity.
- All models equipped with auto-purge after each conveying cycle. It maintains a good conveying result and reduces maintenance.

Accessory

Collective storage hopper SCH-P-30U/60U/90U is available for the SHR-P-30U/60U/90U.



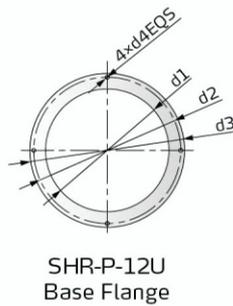
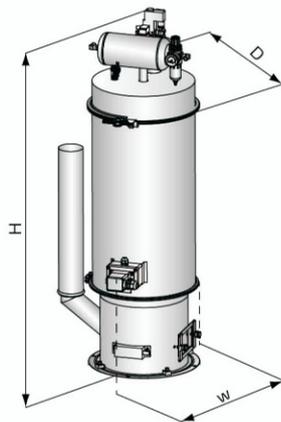
SCH-P-U

Model	Hopper capacity (L)	Dimension (H×W×D) (mm)	Weight (kg)
SCH-P-30U	30	425 × 470 × 470	9
SCH-P-60U	60	516 × 590 × 590	11
SCH-P-90U	90	616 × 590 × 590	13

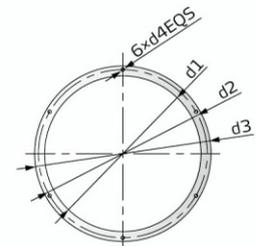
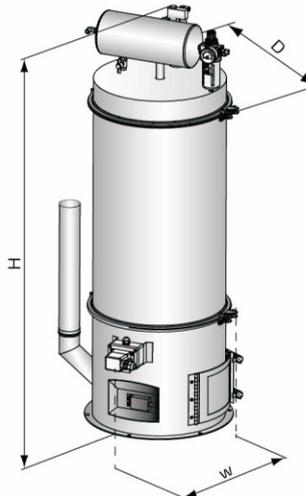
SCH-P-U Flange/Cover

Model	L1 (mm)	L2 (mm)	d5 (mm)	d6 (mm)	φ (mm)
SCH-P-30U	180	210	φ100	φ11	450
SCH-P-60U	180	210	φ127	φ11	570
SCH-P-90U	180	210	φ127	φ11	570

Outline Drawings



SHR-P-12U
Base Flange



SHR-P-30U-SHR-P-90U
Base Flange

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

Specifications

Model	SHR-P-12U	SHR-P-30U	SHR-P-30U-1	SHR-P-30U-2	SHR-P-60U	SHR-P-60U-3	SHR-P-90U	SHR-P-90U-5
Hopper capacity (L)	12	30	30	30	60	60	90	90
H (mm)	1149	1359	1359	1359	1493	1493	1593	1592
W (mm)	450	604	604	604	700	700	700	700
D (mm)	450	522	522	522	664	664	664	664
d1 (mm)	280	420	420	420	542	542	542	542
d2 (mm)	330	450	450	450	570	570	570	570
d3 (mm)	350	470	470	470	590	590	590	590
d4 (mm)	φ9	φ9	φ9	φ9	φ9	φ9	φ9	φ9
Weight (kg)	35	56	60	62	80	83	90	95
Conveying Pipe (inch)	1.5	1.5	1.5	1.5	2.0	2.0	2.5	2.5
Vacuum Pipe (inch)	1.5	1.5	1.5	1.5	2.0	2.0	2.5	2.5



SHR-CP-U



SICH-6U



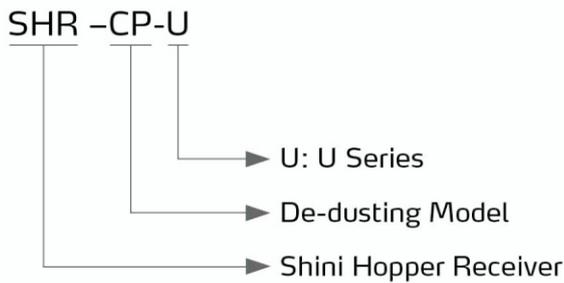
SICH-12U



SICH-24U

SHR-CP-U/SCH(-U)/SICH-U Series

■ Coding Principle



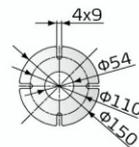
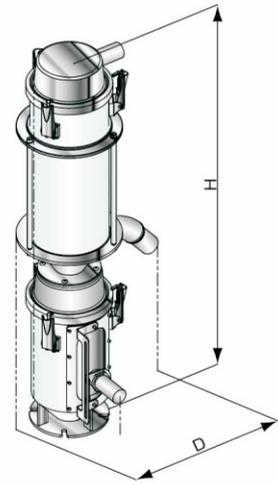
■ Features

- SHR-CP-U hopper receiver mainly works with Shini compact dryer SCD or small vacuum units, such as SAL-820G.
- The unique design receiver hopper separated dust from material directly at the glass section. Dust is carried by return airflow back to filter on the main vacuum unit.
- Stainless steel hopper receiver.
- Adjustable material level sensor for the better de-dusting result.

■ Specifications

Model	Receiver					Conveying Pipe Dia. (inch)	Vacuum Pipe Dia. (inch)
	Capacity (L)	De-dust efficiency	Capacity (kg/hr)	Dimension (H×W×D) (mm)	Weight (kg)		
SHR-CP-3U	3	80%	10	820 × 280 × 305	8	1.5	1.5

■ Outline Drawings



Base Flange

SCH-U/SICH-U/SCH-P-U Series

Coding Principle

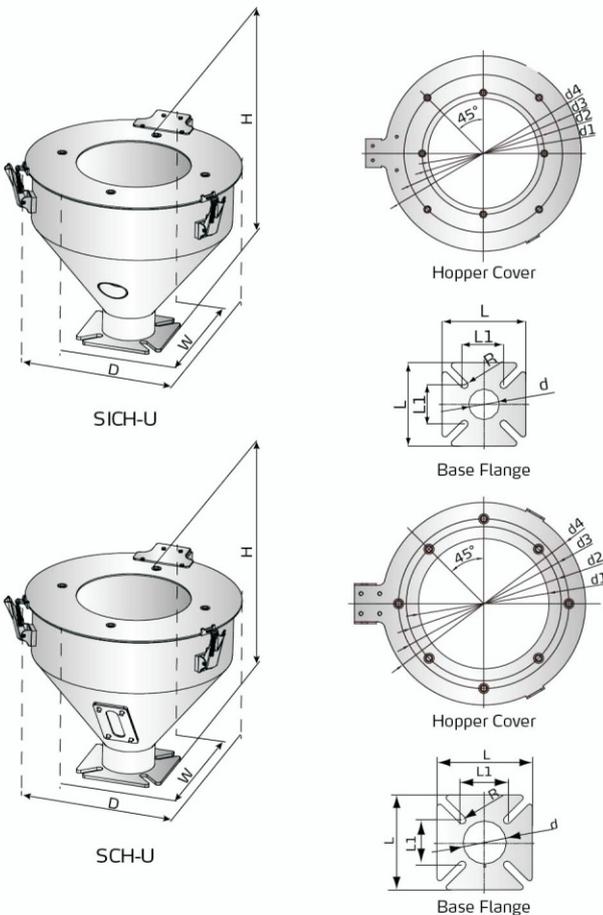
S(I)CH-P - xU

- x: Hopper Capacity
- U: U Series
- P: For powder conveying
- SCH: Shini Storage Collective Hopper
- SICH: Shini Insulated Collective Hopper

Features

- Storage collective hopper SCH-U and insulated storage collective hopper SICH-U are mainly used with the vacuum hopper receiver SHR-U and central vacuum hopper receiver SHR-U-S.
- Stainless steel hopper ensures no material contamination.

Outline Drawings



Specifications

SICH-U

Model	Hopper capacity (L)	Dimension (H×W×D) (mm)	Weight (kg)
SICH-6U	6	318 × 376 × 408	8
SICH-12U	12	336 × 410 × 450	11
SICH-24U	24	619 × 410 × 450	15

SICH-U Flange/Cover

Model	L (mm)	L1 (mm)	d (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	R (mm)
SICH-6U	150	80	61	195	254.5	-	368	6.5
SICH-12U	180	81	77.2	195	254.5	-	409	6.5
SICH-24U	180	81	77.2	230	254.5	330	409	6.5

SCH-U

Model	Hopper capacity (L)	Dimension (H×W×D) (mm)	Weight (kg)
SCH-6U	6	275 × 320 × 345	4.5
SCH-12U	12	315 × 376 × 408	7
SCH-24U	24	330 × 410 × 450	9
SCH-36U	36	450 × 410 × 450	11

SCH-U Flange/Cover

Model	L (mm)	L1 (mm)	d (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	R (mm)
SCH-6U	150	80	58.5	195	231.5	254.5	304	6.5
SCH-12U	150	80	58.5	195	254.5	-	368	6.5
SCH-24U	180	85	81	230	254.5	330	409	7
SCH-36U	180	85	81	230	254.5	330	409	7

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