



## Separate-vacuum Hopper Loader

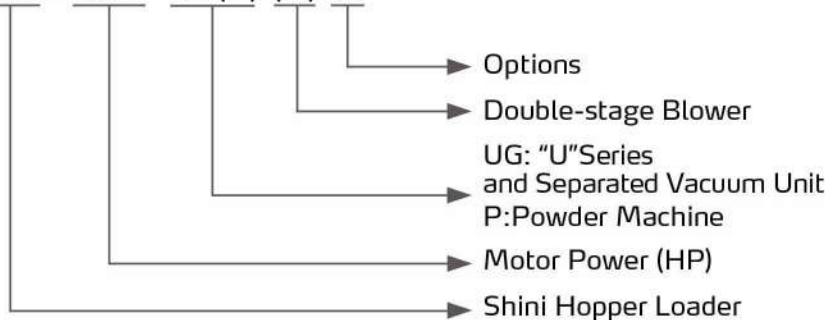
SAL-5HP-UG & SHR-24U



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.



Vacuum breaking valve

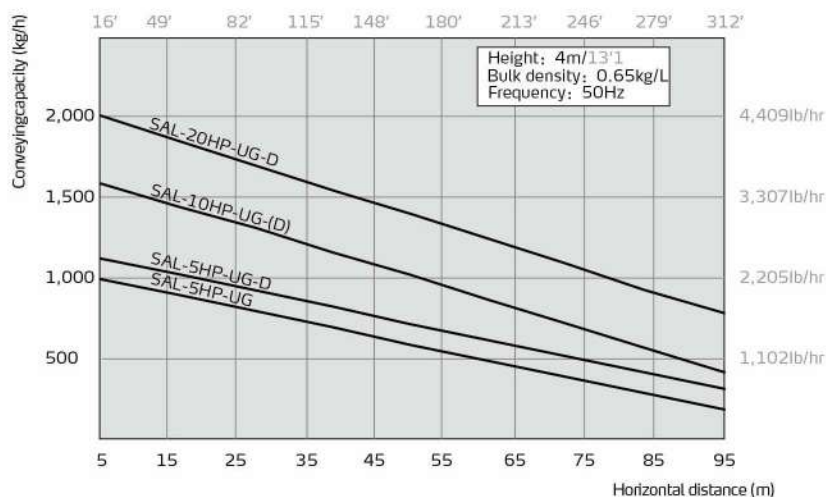
## ■ Options

### Air accumulator auto purging device

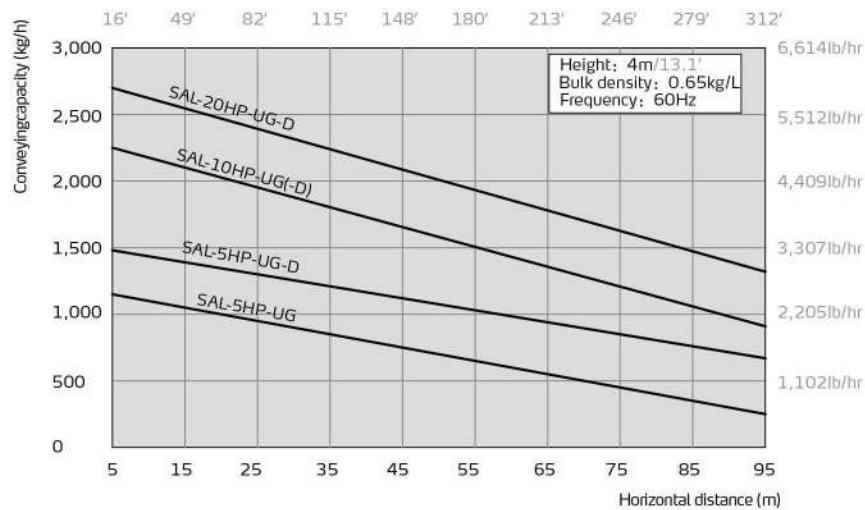


In cases of conveying highly dusty material, the main vacuum unit can be equipped with air accumulator for auto purging function to reduce the maintenance cycle. Add "A" at the end of the model code (suitable for 5HP and above).

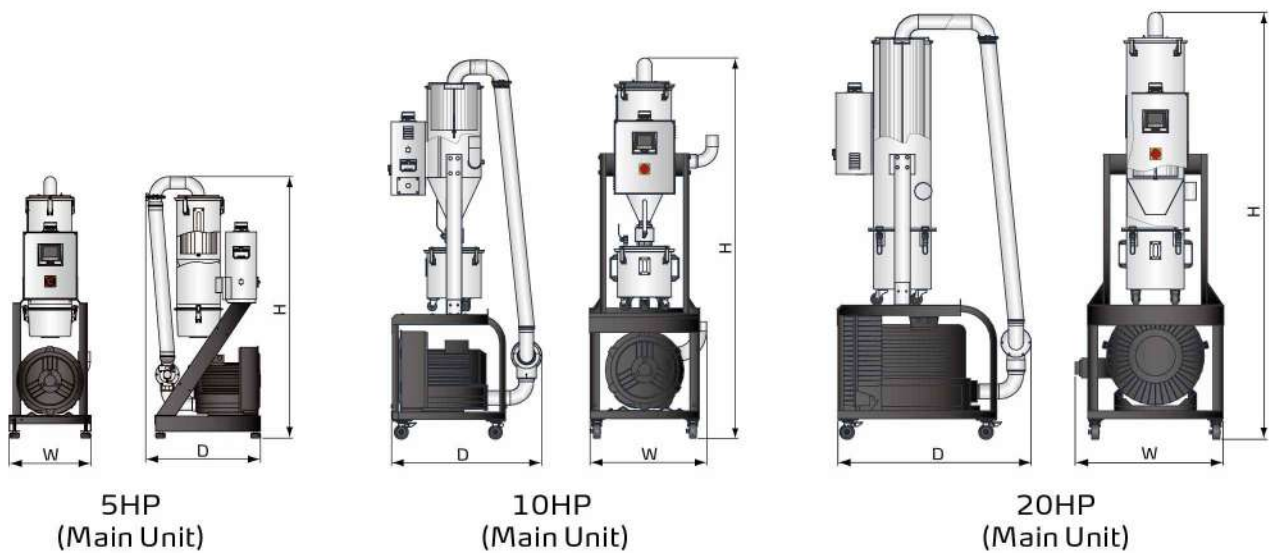
## ■ SAL-UG Conveying Capacity



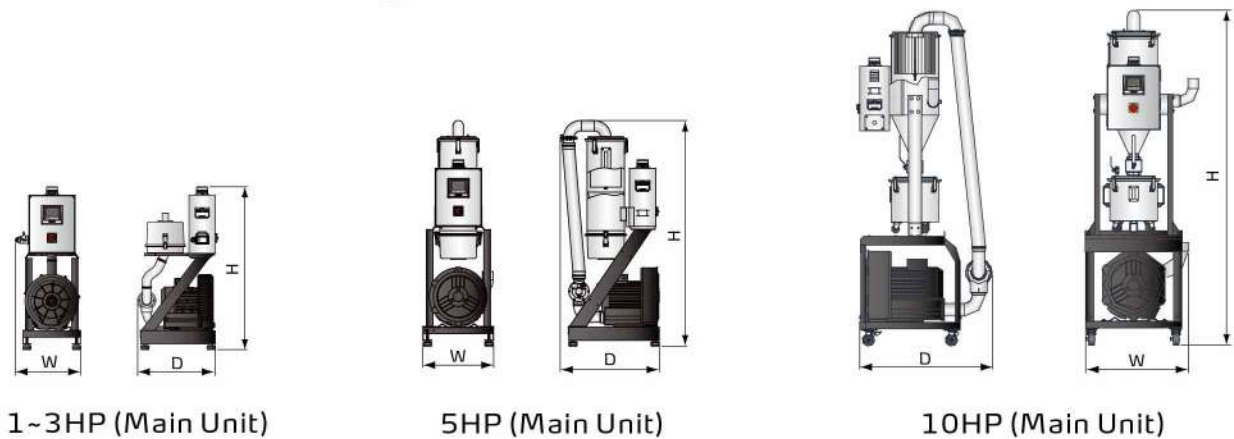
# SAL-UG/UGP Series



## SAL-UG Outline Drawings



## SAL-UGP Outline Drawings



## ■ SAL-UG Specifications

| Main Unit     |                              |                        |                |        |     | Hopper Receiver |                    |      |         | Conveying<br>Pipe Dia.<br>(inch) | Vacuum<br>Pipe Dia.<br>(inch) | Conveying<br>Capacity<br>(50/60Hz) |               |               |
|---------------|------------------------------|------------------------|----------------|--------|-----|-----------------|--------------------|------|---------|----------------------------------|-------------------------------|------------------------------------|---------------|---------------|
| Model         | Motor Power(kW)<br>(50/60Hz) | Dimension<br>H × W × D |                | Weight |     | Applied to      | Hopper<br>Capacity |      | Weight: |                                  |                               | 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<br>×1   | 24                 | 6.4  | 9       | 20                               | 2                             | 2                                  | 1000/<br>1100 | 2205/<br>2423 |
| SAL-5HP-UG-D  | 3.4/3.8                      | 1380×670×600           | 54.3×26.4×23.6 | 76     | 168 | SVH-24L<br>×1   |                    |      | 13      | 29                               |                               |                                    | 1125/<br>1480 | 2480/<br>3260 |
| SAL-10HP-UG   | 7.5/8.6                      | 2015×620×795           | 79.3×24.4×31.3 | 160    | 353 | SHR-36U<br>×1   | 36                 | 9.5  | 11      | 24                               | 2                             | 2.5                                | 1600/<br>2250 | 3527/<br>4957 |
| SAL-10HP-UG-D |                              | 2015×790×795           | 79.3×31.1×31.3 | 162    | 357 |                 |                    |      | 15      | 33                               |                               |                                    | 2000/<br>2700 | 4409/<br>5948 |
| SAL-20HP-UG-D | 13/18.7                      | 2200×745×1000          | 86.6×29.3×39.4 | 236    | 520 | SHR-48U<br>×1   | 48                 | 12.7 | 15      | 33                               | 2.5                           | 3                                  | 2000/<br>2700 | 4409/<br>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<br>Filter<br>Quantity | (Main Unit)<br>H×W ×D |                |
|----------------|------------------------------|-----------------|----------------------------------|-------------------------------|--------------------|------|-------------|-------|-----------------------------|-------|-----------------------------|-----------------------|----------------|
| Model          | Motor Power<br>(kW, 50/60Hz) | Applied to      | Conveying<br>Pipe Dia.<br>(inch) | Vacuum<br>Pipe Dia.<br>(inch) | Hopper<br>Capacity |      | Hopper Dia. |       | Conveying<br>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                          |                       |                |
| SAL-5HP-UGP    | 3.75/4.2                     |                 |                                  |                               |                    |      |             |       | 1200                        | 2646  |                             | 1380×470×600          | 54.3×18.5×23.6 |
| SAL-5HP-UGP-D  |                              |                 |                                  |                               |                    |      |             |       | 1350                        | 2976  |                             |                       |                |
| 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<br>Filter<br>Quantity | (Main Unit)<br>H×W ×D |                |
|----------------|------------------------------|-----------------|----------------------------------|-------------------------------|--------------------|------|-------------|-------|-----------------------------|-------|-----------------------------|-----------------------|----------------|
| Model          | Motor Power<br>(kW, 50/60Hz) | Applied to      | Conveying<br>Pipe Dia.<br>(inch) | Vacuum<br>Pipe Dia.<br>(inch) | Hopper<br>Capacity |      | Hopper Dia. |       | Conveying<br>Capacity(50HZ) |       |                             |                       |                |
|                |                              |                 |                                  |                               | 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                           |                       |                |
| SAL-5HP-UGP    | 3.75/4.2                     |                 |                                  |                               |                    |      |             |       | 1200                        | 2646  |                             |                       |                |
| SAL-5HP-UGP-D  |                              |                 |                                  |                               |                    |      |             |       | 1350                        | 2976  |                             |                       |                |
| 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.



## 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](mailto:shini@shini.com)

### Factories:

- Taiwan
- Dongguan
- Pinghu
- Ningbo
- Chongqing
- Pune