



Shini Central Vacuum Hopper Loader

SCAL-5HP-D

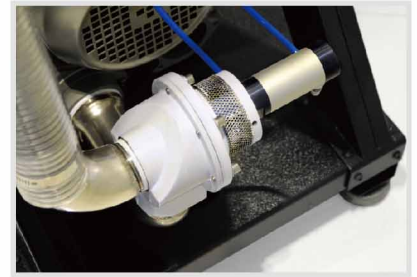
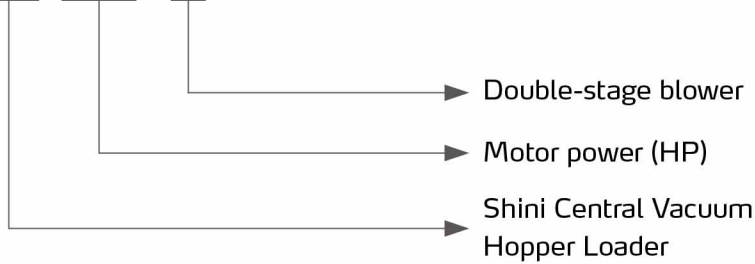


Refer carefully to this manual before operation.

SCAL Series

■ Coding Principle

SAL - xxHP - (D)

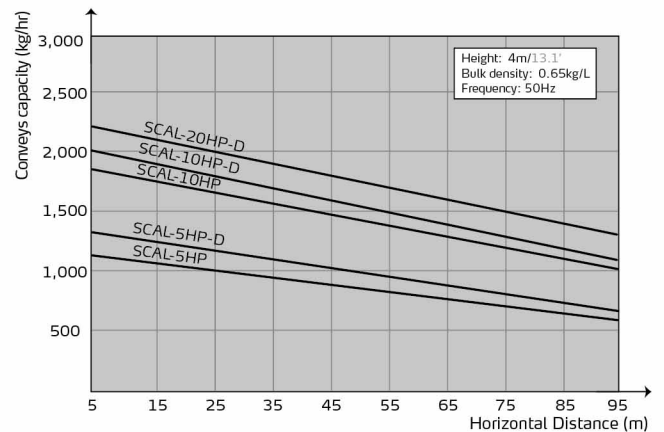


Vacuum breaking valve

■ Features

- Adopt cyclone filter design that effectively reduces the filter load.
- 7" touch screen+PLC control for direct status display and easy operation.
- Independent shut-off output function can control max. 12 SBU shut-off valves directly.
- The host unit has auto purge device that enables continuous cleaning.
- Collocated with Euro stainless steel central hopper ensures no material contamination.
- With vacuum breaking separator, it can prolong the blower's life span.
- RS485 interface and audible alarm device.

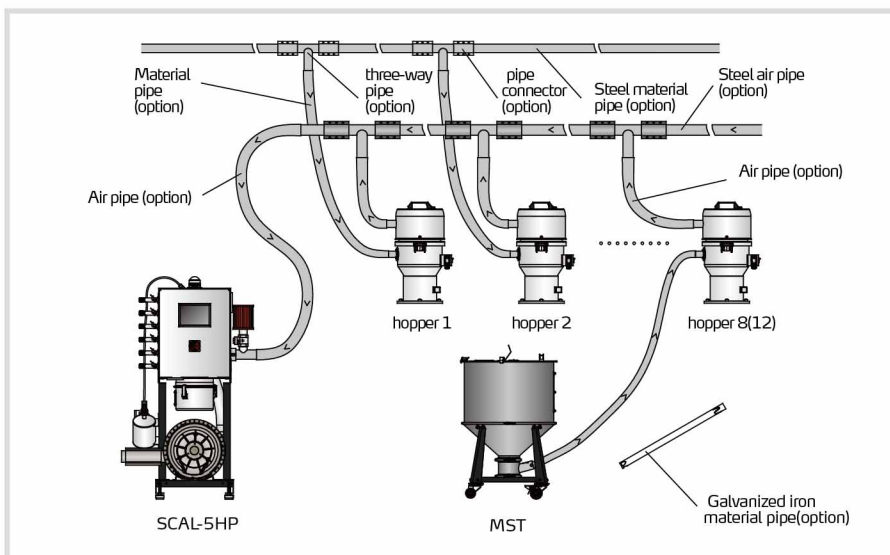
■ Conveying Capacity (SCAL)



■ Application

Collocated with eight (twelve) European vacuum hopper receivers, it is mainly used for multiple dehumidifying dryers to convey different plastic materials, which also can achieve material conveying to different injection molding machines or storage hoppers, and be used as small central material conveying system.

■ Working Principle



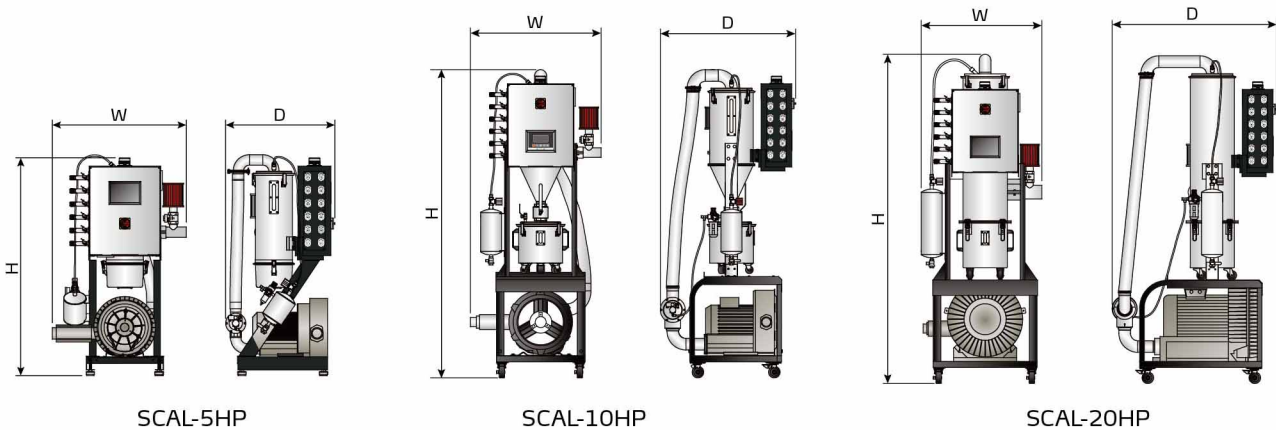
Options

| Model | Steel-wired air pipe | Steel-wired material pipe | Steel air pipe | Steel material pipe | T-type stainless steel three way | Pipe connector | Galvanized iron material pipe |
|-----------------|----------------------|---------------------------|----------------|---------------------|----------------------------------|----------------|-------------------------------|
| SCAL - 5HP-(D) | 2" (φ50.8) | 1.5" (φ38.1) | 2" (φ50.8) | 1.5" (φ38.1) | 1.5" (BH80035000020) | 1.5" (φ38.1) | 1.5" (φ38.1) |
| | | | | | 2" (BH80035100020) | 2" (φ50.8) | |
| SCAL - 10HP-(D) | 2.5" (φ63.5) | 2" (φ50.8) | 2.5" (φ63.5) | 2" (φ50.8) | 2" (BH80035100020) | 2" (φ50.8) | 2" (φ50.8) |
| | | | | | 2.5" (BH80035200020) | 2.5" (φ63.5) | |
| SCAL - 20HP-D | 3" (φ76.2) | 2.5" (φ63.5) | 3" (φ76.2) | 2.5" (φ63.5) | 2.5" (BH80035200020) | 2.5" (φ63.5) | 2.5" (φ63.5) |
| | | | | | 3" (BH80035300020) | 3" (φ76.2) | |

Notes: The machine is purchased separately without the options.
The three-way pipe, pipe connector, stainless steel pipe, galvanized iron material pipe and hopper wire are options, which should be purchased according to actual applications on site.

We reserve the right to change specifications without prior notice.

Outline Drawing



SCAL 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 | | | | kg | lb | kg/hr | lb/hr |
| | | mm | inch | kg | lb | | L | gal | | | | | | |
| SCAL - 5HP | 3.75 | 1365×760×670 | 53.7×29.9×26.4 | 98 | 216 | 12×SHR-3U-S | 3 | 0.8 | 4.5 | 9.9 | 1.5 | 2 | 1200 | 2640 |
| | | | | | | 12×SHR-6U-S | 6 | 1.6 | 7.5 | 16.5 | | | | |
| | | | | | | 12×SHR-12U-S | 12 | 3.2 | 9 | 19.8 | | | | |
| SCAL - 5HP - D | 3.4 | 1365×820×670 | 53.7×32.3×26.4 | 100 | 220 | 12×SHR-3U-S | 3 | 0.8 | 4.5 | 9.9 | 1.5 | 2 | 1350 | 2970 |
| | | | | | | 12×SHR-6U-S | 6 | 1.6 | 7.5 | 16.5 | | | | |
| | | | | | | 12×SHR-12U-S | 12 | 3.2 | 9 | 19.8 | | | | |
| SCAL - 10HP | 7.5 | 2020×810×865 | 79.5×31.9×34 | 228 | 503 | 12×SHR-24U-S | 24 | 6.3 | 11 | 24.3 | 2 | 2.5 | 1800 | 3960 |
| | | | | | | 12×SHR-36U-S | 36 | 9.5 | 12 | 26.5 | | | | |
| SCAL - 10HP - D | 7.5 | 2020×840×865 | 79.5×33×34 | 230 | 507 | 12×SHR-24U-S | 24 | 6.3 | 11 | 24.3 | 2 | 2.5 | 2000 | 4400 |
| | | | | | | 12×SHR-36U-S | 36 | 9.5 | 12 | 26.5 | | | | |
| SCAL - 20HP - D | 13 | 2200×810×1035 | 86.6×31.9×40.7 | 260 | 573 | 12×SHR-48U-S | 48 | 12.7 | 18 | 39.7 | 2.5 | 3 | 2200 | 4840 |
| | | | | | | 12×SHR-96U-S | 96 | 25.4 | 23 | 50.7 | | | | |

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: 5m/16.4feet.
2) Power supply: 3Φ, 230/400/460/575V, 50/60Hz.

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

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