



Vacuum Loader

VL/AL/VVL/AVL/AAL

AUTOLOADER

Easy operation with a touch panel display



AUTOLOADER

New control panel,
Largely improved operation and maintenance performance

Improved maintenance performance

Simple structure for easy cleaning

DC24V control power supply



Improved operation with a touch panel display

Start and stop command on any screens



Easy to operate

Start / Stop

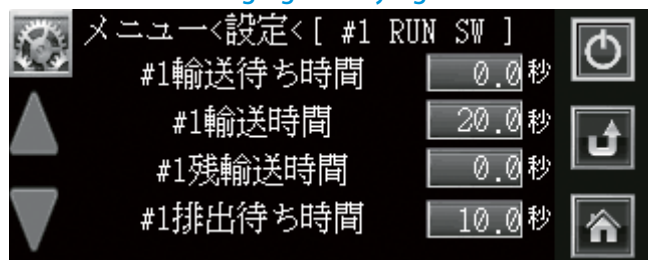
Start operation



Stop operation



Changing conveying time



Input conveying time

The AUTOLOADER function as a pellet conveying unit in wide-variety, small-scale productions.

KAWATA's AUTOLOADER provides superior performance and wear resistance. Three kinds of series designed for wide-variety, small-scale production are available. Peripheral equipment and options are also available. You can design the system most suitable for your individual needs.

| | | | | | |
|---|--|---|--|--|--|
|  <p>On-Machine Type AUTOLOADER</p> | <h2>VL series</h2> <ul style="list-style-type: none"> ▶ On-machine type requires no injection hopper. ▶ Small-scale conveying and stocking system is suitable for conveying dried chip. ▶ Loader Hopper is light in weight and can be continuously and quickly connected and disconnected. ▶ It is designed for easy cleaning. ▶ Incorporated microcomputer improves handling and control. | | | | |
|  <p>Multi-Application Type AUTOLOADER</p> | <h2>AL series</h2> <ul style="list-style-type: none"> ▶ ▶ ▶ ▶ ▶ Simple structure makes cleaning easier. ▶ Included microcomputer improves handling and control. ▶ Auto-Selector (optional) allows conveying two kinds of materials. ▶ Blower unit with bag filter is available (The most suitable for conveying granule) | <p>Option</p> <p>Autoselector</p> <p>Option</p> <p>Cyclone with dust collection tank</p> <p>Bagfilter</p> | | | |
|  <p>TWINLOADER</p> | <table border="1"> <tr> <td data-bbox="671 1621 863 1794"> <h3>VVL series</h3> <p>VL series × 2</p> </td> <td data-bbox="863 1621 1054 1794"> <h3>AVL series</h3> <p>Combination of AL and VL series</p> </td> <td data-bbox="1054 1621 1254 1794"> <h3>AAL series</h3> <p>AL series × 2</p> </td> </tr> </table> <ul style="list-style-type: none"> ▶ ▶ ▶ ▶ Price advantage (compared with two single loaders) Space savings (need only a single room) ▶ Easy maintenance (consolidated maintenance area) ▶ Minimized electric facility or requirements | <h3>VVL series</h3> <p>VL series × 2</p> | <h3>AVL series</h3> <p>Combination of AL and VL series</p> | <h3>AAL series</h3> <p>AL series × 2</p> | |
| <h3>VVL series</h3> <p>VL series × 2</p> | <h3>AVL series</h3> <p>Combination of AL and VL series</p> | <h3>AAL series</h3> <p>AL series × 2</p> | | | |



MOBILE SURGE BIN

Hseries

MICTANK

MTseries



Model **VL - 0208a**

Blower capacity

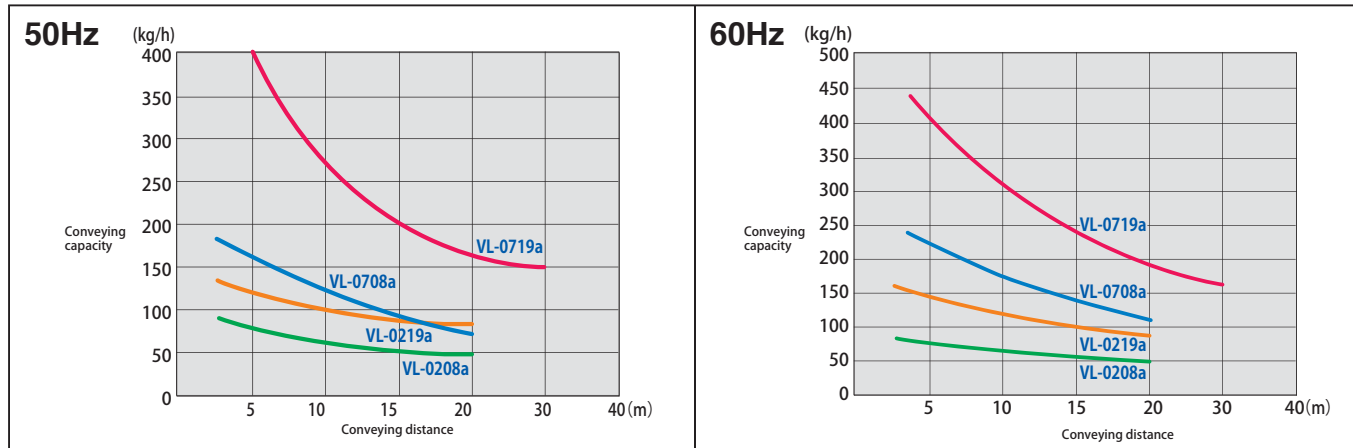
Hopper capacity

Specifications

| Model | | VL-0208a | VL-0219a | VL-0708a | VL-0719a | VL-0734a-3 |
|--|-------------------|---------------------------------|---------------|---------------|---------------|---------------|
| Hopper Capacity (L) | | 2.5 | 2.5 | 7 | 7 | 7 |
| Blower Capacity (kW) (50/60Hz) | | 0.55/0.85 | 1.3/1.9 | 0.55/0.85 | 1.3/1.9 | 2.3/3.4 |
| Level Sensor for Material Full | | Electrostatic capacitance | | Torque type | | |
| Power Supply (AC200V/200, 220V 50/60Hz) 3 Phase (kVA) (AT) | | 1.2/1.5 10 | 2.0/2.6 15 | 1.2/1.5 10 | 2.0/2.6 15 | 3.6/4.7 20 |
| Accessories | PCV Flexible Hose | φ38 × 5m × 2 pcs | | | | |
| | Suction Piping | φ38 × 650L × 1 pc | | | | |
| | Cable | Control cable 5m Power cable 5m | | | | |
| Painting Color | | JMPA Y15-85A, semigloss | | | | |
| Weight | Hopper Unit (kg) | 4.2 | | 9 | | |
| | Blower Unit (kg) | 41 | 57 | 41 | 57 | 75 |

*Cyclone with dust collection tank is also available.

Conveying capacity



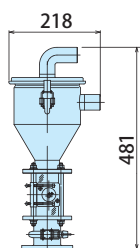
* Conveying capacity is under the condition that the bulk density of the pellet is 0.6.

* 4m in a vertical position is included in the whole conveying distance.

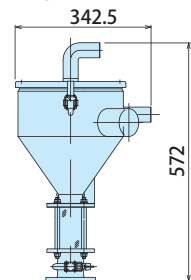
(Unit:mm) Dimensions

Hopper

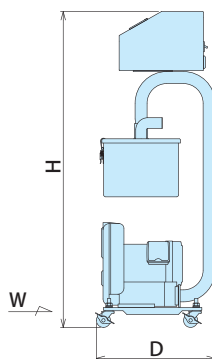
VL-02



VL-07



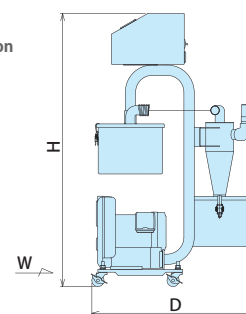
Blower unit



Dimensions

| Model | BU-08 | BU-19 | BU-34 |
|-------|-------|-------|-------|
| W | 293 | 344 | 384 |
| D | 405 | 411 | 488 |
| H | 1127 | 1133 | 1138 |

Cyclone with dust collection tank (option)



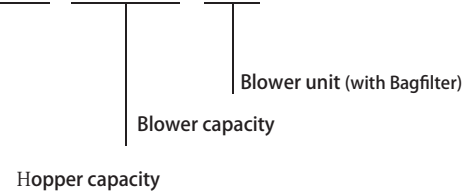
Dimensions

| Model | BU-08 | BU-19 | BU-34 |
|-------------|-------|-------|-------|
| W | 348 | 378 | 401 |
| D | 649 | 655 | 738 |
| H | 1127 | 1133 | 1138 |
| Weight (kg) | 46 | 62 | 80 |



Model AL - 0708 (B) a

Model



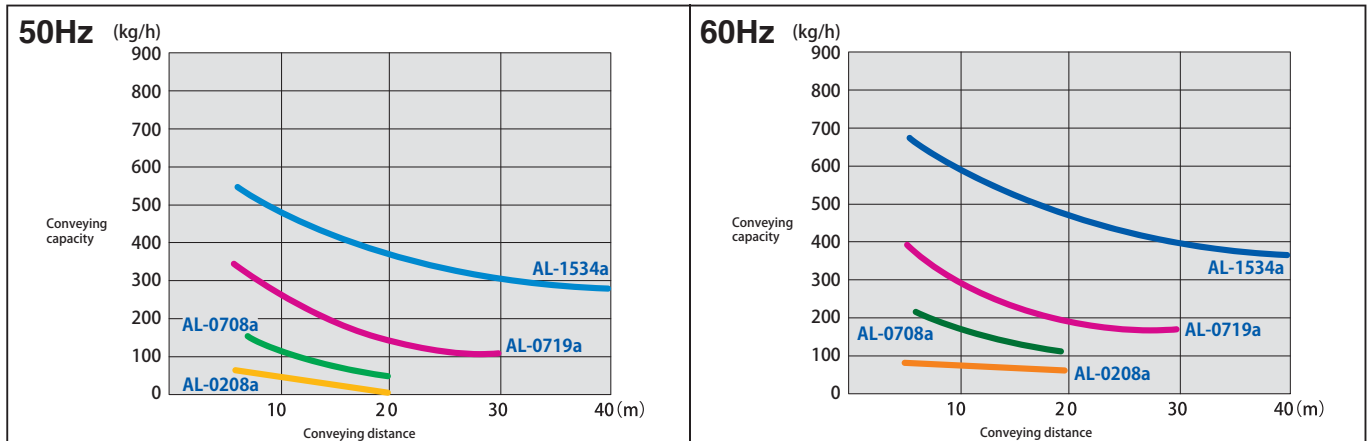
Specifications

| Model | Standard with Bag Filter | AL-0208a — | AL-0708a <AL-0708Ba> | AL-0719a <AL-0719Ba> | AL-1534a <AL-1534Ba> |
|--|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Hopper | Capacity (L) | 2.5 | 7 | 7 | 15 |
| | Damper Structure | Metal damper | | | |
| Blower Capacity (kW) (50/60Hz) | | 0.55/0.85 | 0.55/0.85 | 1.3/1.9 | 2.3/3.4 |
| Level Sensor for Material Full | | Paddle type | | | |
| Power Supply (AC200V/200, 220V 50/60Hz) 3 Phase (kVA) (AT) | | 1.2/1.5 10 | 1.2/1.5 10 | 2.0/2.6 15 | 3.6/4.7 20 |
| Accessories | PCV Flexible Hose | φ38 × 5m × 2 pcs | | | φ48.6 × 5m × 2 pcs |
| | Suction Piping | φ3 8 × 650L × 1 pc | | | φ4 8.6 × 1000L × 1 pc |
| | Cable | Control cable 5m | Power cable 5m | | |
| Painting Color | | JMPA Y15-85A, semigloss | | | |
| Weight | Hopper Unit (kg) | 3.5 | 6 | 6 | 10 |
| | Blower Unit (kg) | 41 | 41<105> | 57<118> | 75<136> |

*Cyclone with dust collection tank is also available.

*Figures in parenthesis in "Weight" show the bag filter specifications.

Conveying capacity



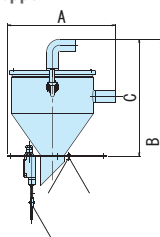
* Conveying capacity is under the condition that the bulk density of the pellet is 0.6.

* 4m in a vertical position is included in the whole conveying distance.

* Conveying capacity for models with the bag filter is lower than above capacity by 20%.

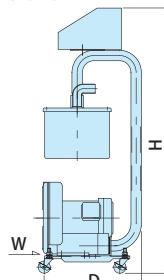
UNIT : mm) Dimension

AL
Hopper



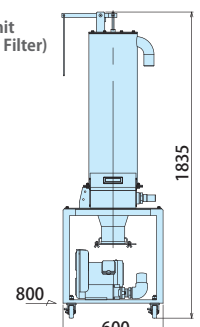
| Model | AL-02-3 | AL-07-3 | AL-15-3 | AL-15-4 |
|-----------|---------|---------|---------|---------|
| A | 237 | 348 | 348 | 355 |
| B | 522.5 | 631.5 | 862.4 | 877.8 |
| C | 282.5 | 357.5 | 588.5 | 603.8 |
| Pipe Size | φ 38 | φ 38 | φ 38 | φ 48.6 |

Blower unit



| Model | BU-08 | BU-19 | BU-34 |
|-------|-------|-------|-------|
| W | 293 | 344 | 384 |
| D | 405 | 411 | 488 |
| H | 1127 | 1133 | 1138 |

Blower unit
(with Bag Filter)
<BU-B>



VVL/AVL/AAL series

TWINLOADER

- Price advantage (compared with two single loaders)
- Space savings (need only a single room)
- Easy maintenance (consolidated maintenance area)
- Minimized electric facility or requirements



VVL series

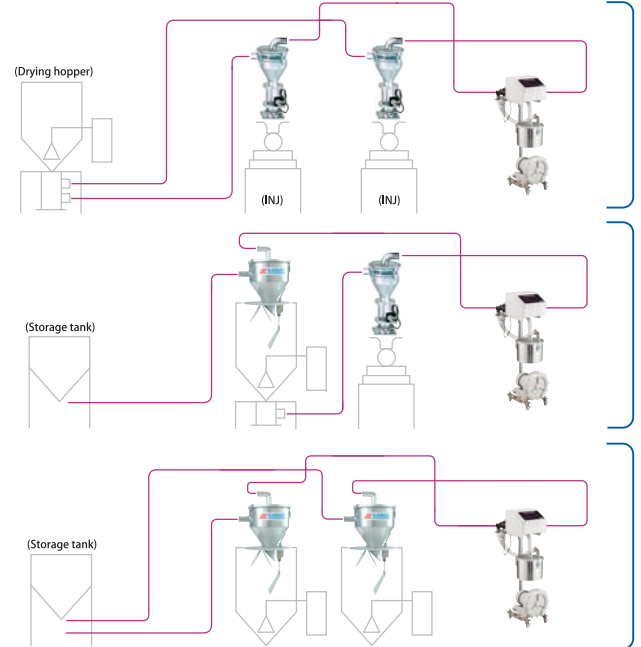
For 2 × VL series

AVL series

For one each of AL and VL series

AAL series

For 2 × AL series



Specifications

| Standard with Bag Filter | | VVL-0208a | VVL-0219a | AVL-07/0208a (AVL-07/0208Ba) | AVL-07/0219a (AVL-07/0219Ba) | AVL-07/0708a (AVL-07/0708Ba) | AVL-07/0719a (AVL-07/0719Ba) | AAL-0708a (AAL-0708Ba) | AAL-0719a (AAL-0719Ba) |
|--|-------------------|--------------------------|---------------|--|---------------------------------|--------------------------------------|---------------------------------|---------------------------|---------------------------|
| Hopper | Model (Capacity) | VL-02-3 (2.5L) × 2 | | AL-07-3 (7L) × 1 VL-02-3 (2.5L) × 1 | | AL-07-3 (7L) × 1 VL-07-3 (7L) × 1 | | AL-07-3 (7L) × 2 | |
| Blower Capacity (kW) (50/60Hz) | | 0.55/0.85 | 1.3/1.9 | 0.55/0.85 | 1.3/1.9 | 0.55/0.85 | 1.3/1.9 | 0.55/0.85 | 1.3/1.9 |
| Power Supply (kVA) (AT) (AC200V/200, 220V 50/60Hz) 3 Phase | | 1.2/1.5 10 | 2.0/2.6 15 | 1.2/1.5 10 | 2.0/2.6 15 | 1.2/1.5 10 | 2.0/2.6 15 | 1.2/1.5 10 | 2.0/2.6 15 |
| Compressed Air Requirement (L/min) (ANR) | | Approx. 0.2 | | | | | | | |
| Accessories | PCV Flexible Hose | φ 38 × 5m × 4 pcs | | | | | | | |
| | Suction Piping | φ 38 × 650L × 2 pcs | | | | | | | |
| | Cable | Control cable 5m × 2 pcs | | | | Power cable 5m | | | |
| Painting Color | | JMPA Y15-85A, semigloss | | | | | | | |
| Weight | Hopper Unit (kg) | 4.2 × 2 | | 6 × 1 + 4.2 × 1 | | 6 × 1 + 9 × 1 | | 6 × 2 | |
| | Blower Unit (kg) | 49 | 65 | 49 (113) | 65 (126) | 49 (113) | 65 (126) | 49 (113) | 65 (126) |

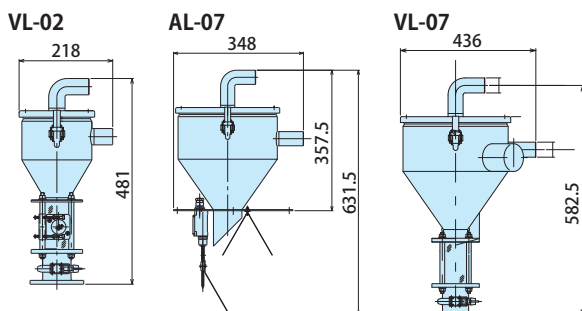
*Cyclone with dust collection tank is also available.

*Available for blower capacities of 2.3/3.4(50/60Hz)

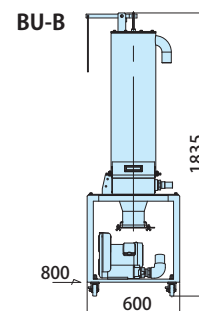
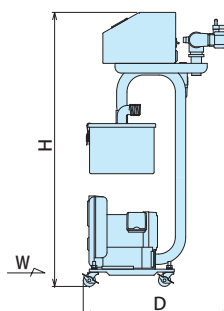
*Figures in parenthesis in "Weight" show the bag filter specifications

(UNIT : mm) Dimensions

Hopper



Blower unit BU



Dimensions

| Model | BU-08 | BU-19 |
|-------|-------|-------|
| W | 312 | 344 |
| D | 587 | 593 |
| H | 1120 | 1136 |

OPTION

AUTOLOADER / TWINLOADER

CYCLONE with DUST COLLECTION TANK



- Useful for materials containing a small amount of powder.
- Less frequency of filter cleaning.

BAG FILTER



- This bag filter, with high dust collecting efficiency, suitable for conveying granule and material containing a high proportion of powder.
- Filter cleaning by vibration method with the manual lever.

AUTOSELECTOR

(Selector valve)



- Suitable for simple mixing of new materials and granule.
- Conveying two kinds of materials alternately with the flick of the switch while connected to the material inlet of AUTOLOADER. Adjustable mixing ratio by timer setting.

DUST SEPARATOR



- Useful to remove powder in materials (The state of removing powder varies with conditions)

Specifications

| Model | KBA-0.5 |
|-----------------|-------------------------------|
| Filter Area | 0.6m ² |
| Filter Material | Cloth (P-606) |
| Cleaning | Manual lever vibration method |

Specifications

| Model | | SL-38 |
|----------------------------|--------------|--|
| Power source | Main Circuit | AC100/AC200V 50/60Hz1 φ2W |
| | Power Supply | Max. 10W |
| Compressed Air Requirement | | 約1.5L/min (ANR) (0.4~0.6MPa) Approx. 1.5 L/min (ANR) (0.4~0.6MPa) |
| Dimension | | W×D×H(mm) 263×351×296 |
| Weight | | (kg) Approx. 5 |

OPTION

| Items | Standard | → | Option |
|----------------|-------------|---|--------------------------------------|
| Full Switch | Paddle type | → | Torque type |
| Visual Alarm | — | → | Visual alarm |
| Conveying Hose | PVC hose | → | Heat resistant non PVC flexible hose |

Hseries

H TANK



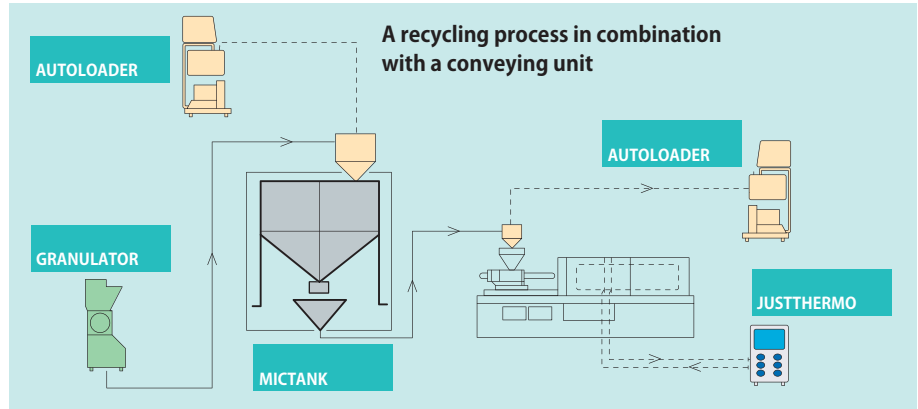
Specifications

| Model | H-50 | H-100 | H-200 | H-400 | H-600 | H-1000 |
|------------------------------|-------------|-------------|-------------|--------------|----------------|----------------|
| Capacity (L) | 50 | 100 | 200 | 400 | 600 | 1000 |
| Material | SUS | | | | | |
| Suction Nozzle Diameter (mm) | φ38 | | | | | |
| Weight (kg) | 28 | 34 | 39 | 55 | 80 | 128 |
| Dimensions W×D×H (mm) | 515×515×657 | 615×615×757 | 615×615×907 | 815×815×1052 | 1015×1015×1099 | 1165×1165×1304 |



Economical, Simple Volumetric Feeder

KAWATA's MICTANK is an economical, simple volumetric feeder which constantly feeds two kinds of materials (virgin and granule) in volumetric feeder.



- **Constant feeding ratio**
Feeding materials at a constant ratio at any voltage.
- **Easy operation**
Set a feeding ratio and just flip the "automatic-operation" switch on.
- **Simple structure**
Combination of the two material tanks and vibration feeder.
- **Energy-saving**
Total electric capacity : just 0.7 A (200V)
- **Maintenance-free**
Parts no such as filters in need of maintenance or inspection.

Options

- Chute for granule (B material) overflow
- Granule (B material) level gauge and visual alarm
- Irregular size remover
- Magnet

Specifications

| Model | | MT-60×60S | MT-125×125S | MT-250×250S |
|-----------------------------|-------------|--|-------------|-------------|
| Tank Capacity | Virgin (L) | 60 | 125 | 250 |
| | Regrind (L) | 60 | 125 | 250 |
| Tank Material | | 304 stainless steel | | |
| Feeding Method | | Vibration feeder | | |
| Feeding Capacity (kg/h) | | Max. 200 | | |
| Mixing Ratio (A:B) | | 10:0~0:10 | | |
| Alarm Display | | Visual alarm (when material A is depleted) | | |
| Power Supply (Single Phase) | | 0.2 (kVA) 0.7 (A) | | |
| AC 200V/200, 220V 50/60Hz | | | | |
| Weight (kg) | | 88 | 120 | 140 |

* Contact us if you need a larger than MT-500.

*These specifications are subject to change without notice.
*Please read the instruction manual carefully before use.



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Total Systems Engineer

KAWATA MFG. CO., LTD.

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