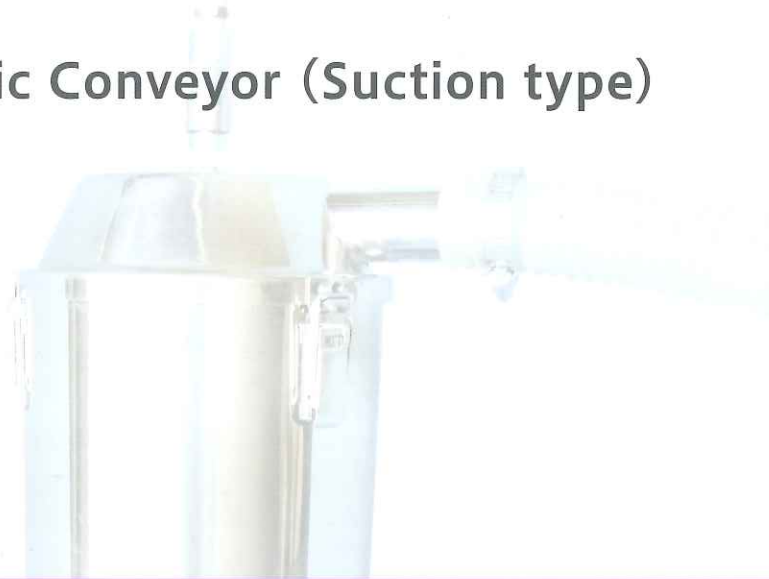




Pneumatic Conveyor (Suction type)



Flexible Feeder

Compact Suction Pneumatic Conveyor



NISHIMURA MACHINE WORKS CO.,LTD.

Flexible Feeder

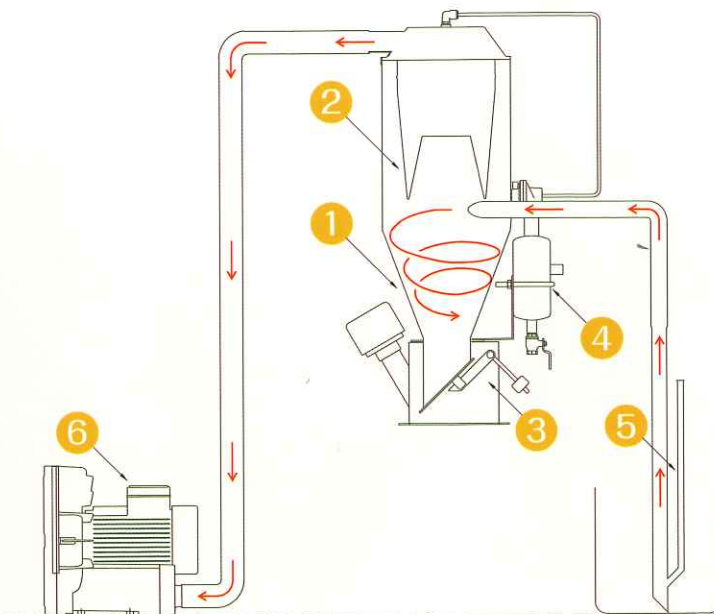
(Compact Suction Pneumatic Conveyor)



Feature of Flexible Feeder

1. Because structure is simple, internal cleaning can be easily performed. It is the most suitable method to convey various types of raw material.
2. The suction can be chosen as nozzle type or hopper type.
3. Tank size can be simply changed by retainer.
4. Utilizing special filter cross leads to apparatus compactness.
5. Scatter of dust is prevented by internal filter.
6. The filter washing mechanism is adopted by the pulse-jet method.
7. The cost is reduced due to mass production.

Internal Structure and Principle



- 1 Put the suction nozzle ⑤ into raw material (It can be connected directly at the bottom of the material's hopper.)
- 2 Start this machine by a panel.
- 3 Suction is started by operating blower and the raw materials are moved and collected in ① of Flexible Feeder.
- 4 Because suctioned raw materials are filtered by filter, the exhaust from a blower is clean.
- 5 After the blower is automatically stopped, raw material in hopper are discharged into collection container.
- 6 When raw material discharges, the filter is washed by pulse-jet method using compressed air.
- 7 After repeat 3-6 mentioned above the continuous loop.

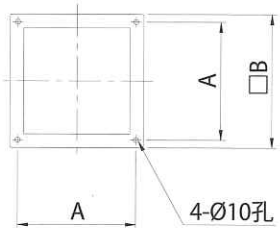
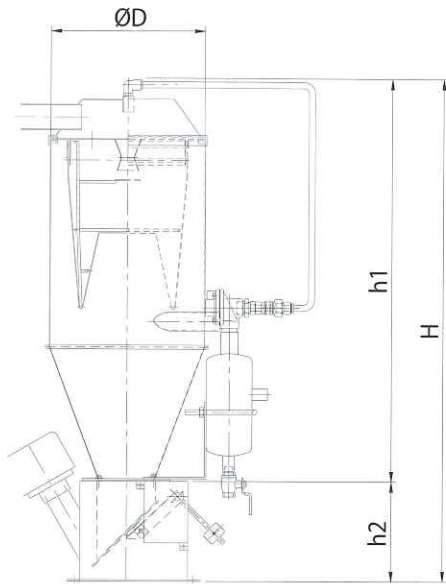
Compact Suction Pneumatic Conveyor is suitable for short-range transportation by a suction-type air carrier to transport powder and grain of raw materials automatically. It contributes to improve the productivity by utilizing this automatic machine instead of manual operation.

Specification

Model	MF-200-5	MF-300-13
Capacity (Transportation length : at the total 3mH)	100 ~ 200L / hr (depend on material)	260 ~ 520L / hr (depend on material)
Hopper size	5L . 10L	13L . 30L
Discharge Method	Weight balance method	
Blower	VFZ401AN (0.55/0.85kw)	VFZ501AN (1.3/1.9kw)

Dimension

	MF200-5	MF200-10	MF30-13	MF300-30
D	200	200	300	300
H	785	960	980	1230
h1	640	815	785	1035
h2	145	145	195	195
A	170	170	230	230
B	190	190	260	260

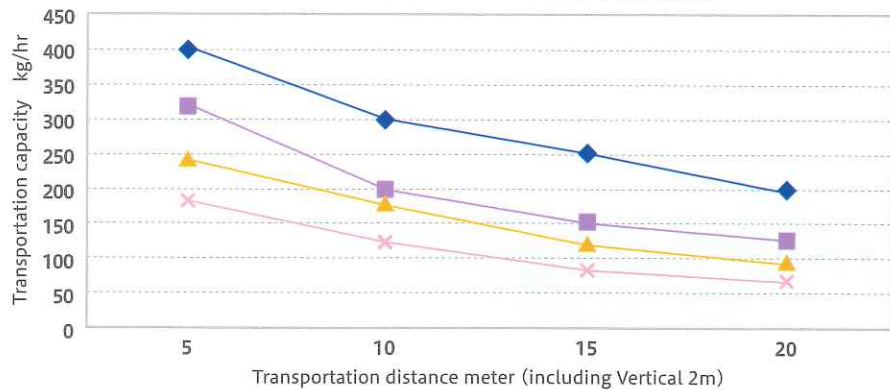


Capacity

※The transportation capability varies according to the characteristic of the powder and grain.

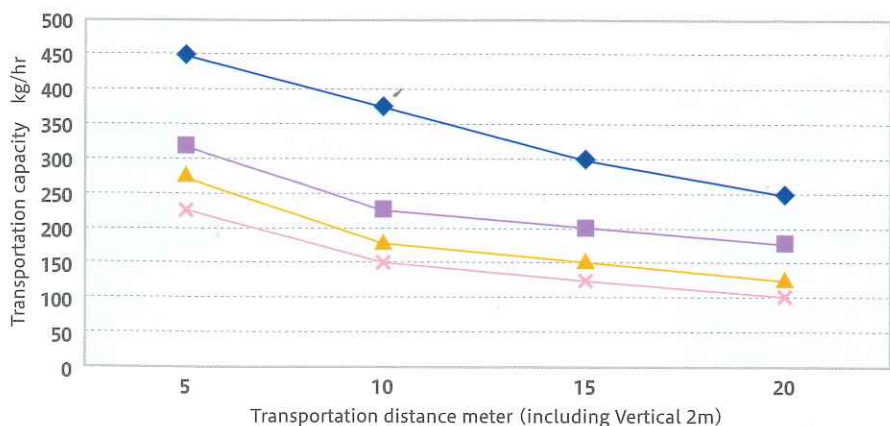
Model:MF-200-5

- ◆ White rice (Grain) 60Hz
- White rice (Grain) 50Hz
- ▲ Sodium bicarbonate (Powder) 60Hz
- ✕ Sodium bicarbonate (Powder) 50Hz



Model:MF-300-13

- ◆ White rice (Grain) 60Hz
- White rice (Grain) 50Hz
- ▲ Sodium bicarbonate (Powder) 60Hz
- ✕ Sodium bicarbonate (Powder) 50Hz



Material's hopper.
Bottom of raw

⑥,
stored in the Hopper

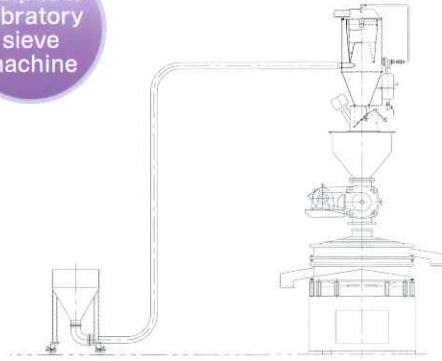
the air are separated
stored in the air tank.

operated by timer control,
by a free-fall damper ③.

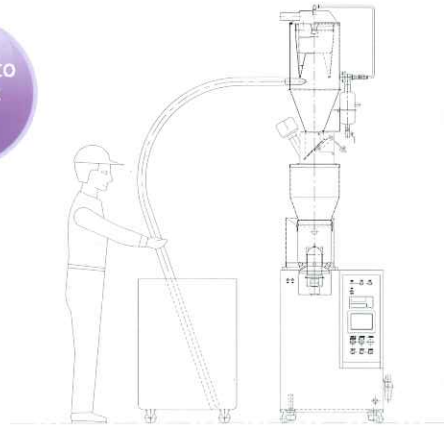
er is washed
and air from the air tank④.

process becomes

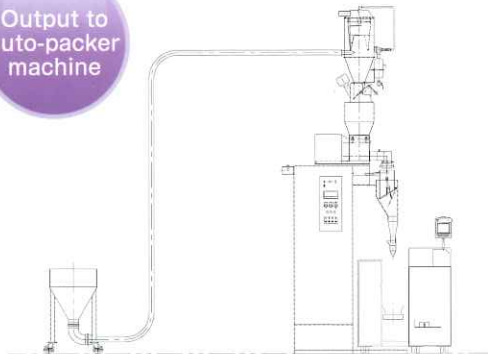
Output to
Vibratory
sieve
machine



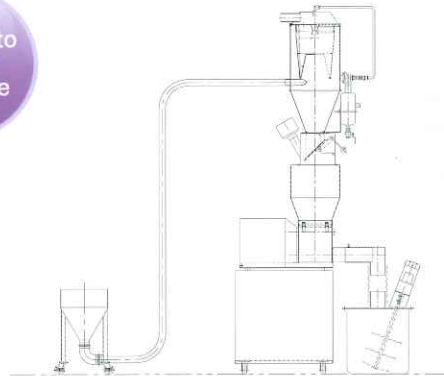
Output to
N-pack
scale



Output to
auto-packer
machine



Output to
filling
machine



We offer actual machine test in the laboratory in our Osaka Head Office.
We will help you to select the equipment and other options.
Please inform the transportation capability (horizontal and vertical distance),
raw materials name, powder particle size, and bulk density.

Powder Equipment and Total Engineering



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