## Pneumatic Vacuum Conveying - without product segregation or attrition





## Convey Without Segregation - transfer powders and granules efficiently

Pneumatic conveyors move powder and granules from sacks, big bags or other containers to the required location in selected quantities and within the desired time. The Nilfisk product conveying process takes place in perfect hygienic conditions, respecting both the environment and the operators' health.

**HYGIENE:** Avoid dust dispersion and product contamination. The conveyed material is kept in an isolated environment from pick up to the release point. Treated product only comes into contact with materials such as AISI 316 or AISI 304 stainless steel.

**PRODUCT QUALITY:** Move pharmaceutical mixtures while still preserving their integrity and keeping the percentages of single components intact. *(Validated by a study made in collaboration with the University of Parma.)* 

**PRODUCTIVITY:** Increase the automation and health and safety of your personnel by eliminating the task of manually scooping powder into process machines. Conveying can reduce staffing requirements and load times by more than 50%.

## **Technical specifications**

Description	Unit	2)/T 2 Dhaca	2\/T 1 Phace
Description	Onit	SVI S-Flidse	SVI I-Flidse
Type of Power	-	3-Phase	1-Phase
Voltage @ 60 Hz	V	220/460	120
Rated Power	HP (kW)	0.94 (.70)	.0.89 (.66)
Waterlift, max.	in. H <sub>2</sub> O	291	291
Airflow, max.	CFM (L/min)	9.4 -14.7 (267-417)	9.4 -14.7 (267-417)
Protection Class	-	IP54	IP54
Hopper Capacity	gallons (L)	2.9 (11)	2.9 (11)
Main Filter Area	ft² (m²)	3.29 (0.31)	3.29 (0.31)
HEPA Filter Area	ft² (m²)	11.84 (1.1)	11.84 (1.1)
HEPA Filter Efficiency (DOP)	-	99.97% @ 0.3 µ	99.97% @ 0.3 µ
Diameter of Hopper	in. (mm)	8.7 (220)	8.7 (220)
Diameter of Product Discharge	in. (mm)	4.75 (120)	4.75 (120)
Nom. Diameter of Suction Tube	mm	30	30
Min./Max. Inlet Air Pressure	psi (bar)	60-90 (4-6)	60-90 (4-6)
Max. Product Flow Rate	lbs./hr (kg/hr)	660 (300)	660 (300)
Min./Max. Loading Time	seconds	2/60	2/60
Dimensions	in. (mm)	40x18x120 (1015x450x3050)	40x18x120 (1015x450x3050)
Cord Length	ft. (m)	25 (8)	25 (8)
Weight (varies depending on configuration)	lbs. (kg)	172-254 (78-115)	172-254 (78-115)

Dedicated engineering department

Dedicated sales team

Worldwide technical assistance



Preserves the integrity of the powder mixture



At every suction and discharge phase, the filter is automatically cleaned



Three filtration stages prevent contamination of the environment



Specifications and details are subject to change without prior notice.

## Nilfisk, Inc., Industrial Vacuum Division

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