

**“Simply brilliant”**

Evacuates Oktabin and BigBag fully automatically and completely granulate, ground stock and powder



**OKTOMAT®**  
emptying station

## The OKTOMAT®. HELIOS pat solution.

If you say, evacuating Oktabin and BigBag goes smoothly...?!

**No breakdowns when conveying granulate, ground stock and powder?**

**No repositioning the suction lance manually? Evacuating fully automatically and completely, not sucking in the film inlet?**

In this case you certainly own the new HELIOS OKTOMAT® and are happy to know, how much waste of time, operation trouble and waste of ground stock can be avoided.

**Simply brilliant, or what?**

### The Problem

When evacuating Oktabins and BigBags by means of conventional suction lances, the conveyance of granulate or ground stock can sometimes be interrupted, resulting in serious operation trouble. The conveyance can be resumed only by manually repositioning the suction lance. This poses a particular problem when there is not much bulk material remaining in the container. In this case, the operator may be forced to guide the suction lance for a prolonged time to evacuate the bag completely.



### The Solution

Instead of a suction lance, the HELIOS OKTOMAT® is equipped with a stainless steel suction head with integrated vibration device. This loosens up the bulk material and causes it to flow. At the same time, the bag lifting device pulls the film inlet of the Oktabin or the circumferential wall of the BigBag upwards and inwards. With decreasing filling level, this causes the bulk material to flow from the outside towards evacuation point at the center. Depending on the adjusted suction power, the film inlet or BigBag is lifted up from the floor when a certain residual material weight is reached.



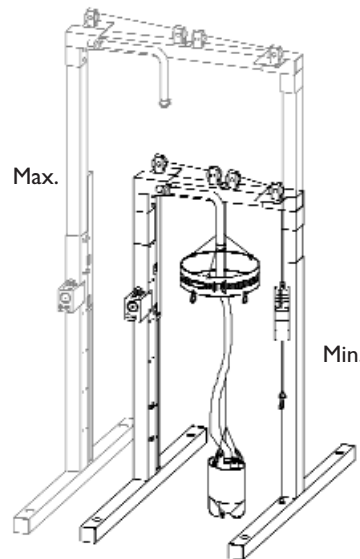
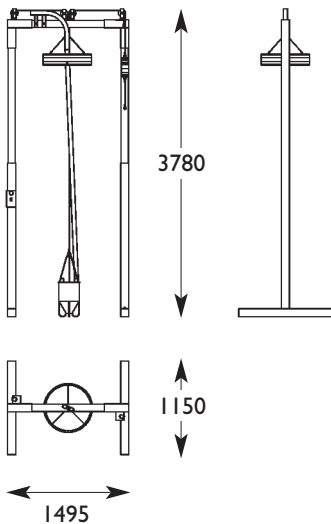
# Evacuating Oktabin and BigBag fully automatically and completely

## Standard Equipment:

- Portal made from enameled steel, height and width adjustable
- Lifting ring made from V2A with tension belt and 4 spring hooks
- Infinitely adjustable lifting power for the film inlet
- Suction head type S made from V2A with film spreader and automatic vibration device, conveying tube  $\varnothing$  38 or 50 mm
- Counter weight for adjusting the immersion depth of the suction head
- PUR conveying tube



figure  
OKTOMAT® together with Option I



## Technical data:

Height (mm):  
adjustable from 2730 to 3780 mm  
Width (mm): 1095/1295/1495  
Depth (mm): 1150  
Power supply (V / Hz): 230 / 50  
Clear width (mm): 895/1095/1295  
Evacuation capacity: up to 5000 kg/h\*  
Weight (kg): approx. 145 kg  
Pneumatic supply: R 1/4 IG  
Suction tube  $\varnothing$  (mm): 38/50/65/80

\* depending on the bulk material and used conveying technics

## Patents:

Suction head: European Patent No. EP 07 65 829 B1  
Bag lifting device: European Patent No. EP 08 19 628 B1  
Lifting ring with tension belt: German Patent No. DE 19 852 259 C2  
Oscillating suction head: European Patent No. EP 1 199 266 B1



OKTOMAT® twin station with automatic switch-over to full container

# The OKTOMAT®. 7 fittings optionally.

## Options

### Option 1

control for empty indicator by signals

### Option 2

switch-over between 2 OKTOMAT® stations incl. 2 pcs of option 1

### Option 3

Special suction heads:

- XL – with conveying tube Ø DN-38 x 1,5
- XL – with conveying tube Ø DN-50 x 1,5
- S or XL – with conveying tube Ø DN-65 x 1,5
- S or XL – with conveying tube Ø DN-80 x 2,0
- Micro – with conveying tube Ø DN-65 x 1,5

### Option 4

Additional weight for suction head types S-38 and S-50

### Option 5

Suction heads with compressed air vibration device

### Option 6

Oscillating suction head by slack rope switch SSS® incl. control unit

### Option 7

Fluidisation device of suction head to loosen up poorly flowing bulk materials incl. special control unit



### Option 2

As soon as a container has been evacuated, the system can switch over automatically to the next OKTOMAT® station.

## Configuration individually



### Option 2

Triple evacuating station with automatic switch-over to full material container.



### Option 3

Different suction heads are available:

**Type S** for standard applications

**Type XL** for high conveying capacities

**Type Micro** for powders

All types are also available with compressed air vibration device (**Option 5**)



### Option 4

Additional weight for suction head



figure OKTOMAT® with option 6



### Option 6

oscillating suction head



The HELIOS OKTOMAT® is delivered in pre-assembled condition as a packing unit.

The system can easily be set up by the customer.

# OPTIONS

# HELIOS conveying technics



HELIOS vacuum station for pneumatic suction conveying, consisting of:

- Vacuum pump 1,1 to 7,5 kW
- Large dust filter with dust collection container
- Relief valve
- Power unit
- Frame housing



Vacuum hopper loaders made from special glass 1 + 3 litres



Vacuum hopper loaders made from special glass 15 + 30 litres



- virtually maintenance-free
- 100% visualisation of conveying volume all-around
- parts touching the material made from borosilicate glass and V2A
- hopper loader top can be opened for cleaning purpose
- conveying air and conveyed material separated without filter element
- removable sieve disc



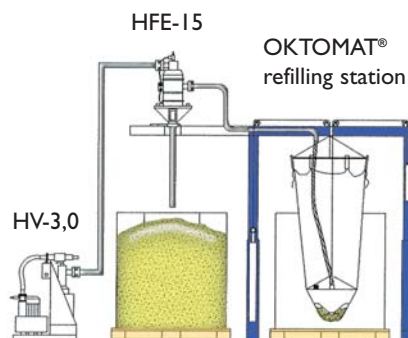
**A complete product range of wear-resistant components made from special glass are offered by HELIOS to build up a pneumatic material conveying system.**



Single conveying control unit

HELIOS vacuum station HV-3,0 combined with a hopper loader HFE-15

Excerpt: OKTOMAT® to refill Oktabin/BigBag



Centralized conveying control unit for 8 - 64 conveying points



OKTOMAT® refilling station



Centralized material conveying  
Automotive



Cables producing



PVC processing



Medical Engineering



Film producing

## References (excerpts)

### Plant Engineering:

Coperion Waeschle, KKA, Meyer Technologie, J-TEC

### Automotive Industry:

BMW, Opel, VW, Peguform, Bosch, Visteon, Valeo, TI Group, Siemens VDO, Kendrion, Dynamit Nobel

### Construction:

Blum, Hettich, Geberit

### Illumination:

Trilux, Hella, ZKW Lichtsysteme

### Compounding/Recycling:

Clariant, AKRO, Gummiwerk Kraiburg, SULO, Dunlopillo, Polyplast Müller

### Electrical Industry:

Klöckner Möller, Wieland, Hirschmann, Weidmüller, Legrand, Sarnatech, Phoenix, Metabo, Alcatel, Bosch, Siemens

### Extrusion:

Bayer Faser, Trevira, Arla, Döllken, Tehalit, Rieter, Gargiulo, Topf, Trelleborg-Soratech, Rehau, Omipa, Oechsler, Kautex, Toppi, Gruber, Freudenberg, Polyfelt, Senoplast

### Cables:

Kabelwerke Eupen, Lapp Kabel, Norddeutsche Seekabelwerke, Leoni, SCC, Pirelli, NKT-Cable, RFS

### Medical Engineering:

Braun, Baxter, Fresenius, Swiss Caps, Spang & Brands, Primed, Paritec

### Paper/Film:

UPM, Alkor, Dixie Union, RKW, Kalle, Danisco

### Telecommunication/Phono:

Grundig, Bang & Olufsen, Perlos, Albea

### Raw Materials

#### Manufacturing:

BASF, EMS, Perstorp, Röhm, Huntsman, Johnson Wax, Jowat, Henkel, Basell, Borealis, CIBA

#### Technical

#### Components:

INA, Johnson Control, TDK, Siegling, SFK, Schubert, Pöppelmann, Kienbacher, Mahle, Bericap, Durable, Lamy, BJB

#### Packaging:

Alkoa, Kali und Salz, Universal, ALPLA, SIG, Tetra Pak, AEROBOARD

„Simply brilliant“

**EVACUATING**



**OKTOMAT®**  
evacuation device



**OKTOMAT®** twin station with  
automatic switch-over



**OKTOMAT®** suction heads with  
vibrating devices

**CONVEYING**



**230 V** vacuum  
conveying unit



**Mixing** compressed  
air conveying unit



**Vacuum** station



**Coupling** station made  
from special glass



**Vacuum** hopper loader  
made from special glass  
1 + 3 l



**Vacuum** hopper loader  
made from special glass  
15 + 30 l



**Refilling** station with vacuum station

**DRYING**



**JETBOX**  
Top-mounted dryer



**JETBOX**  
Stand-alone dryer



**HELIOMAT®**  
portion dryer



**HELIOMAT®**  
Centralized dryer systems