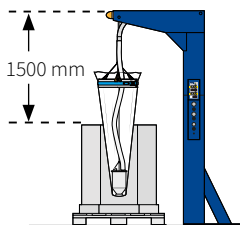


# OKTOMAT® SOS

## Emptying system for Octabin and BigBag

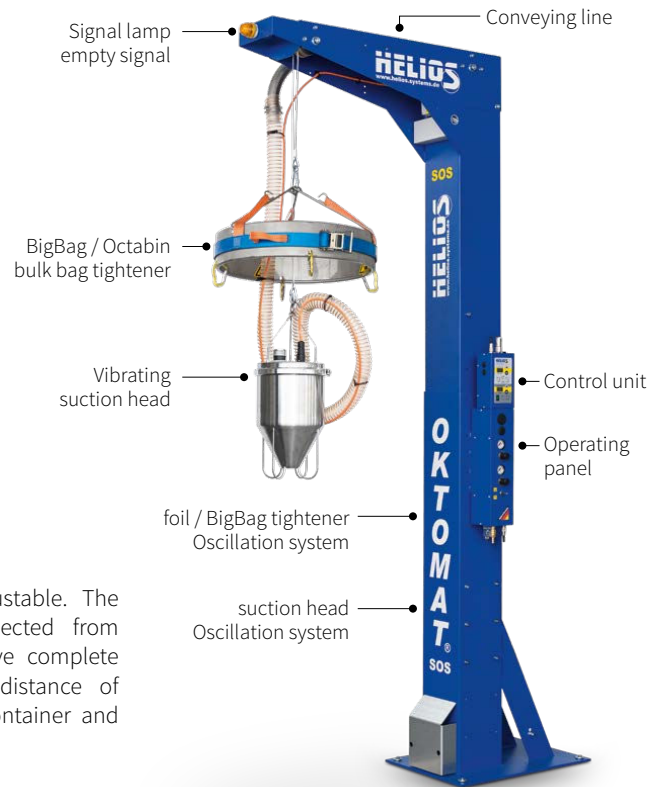
OKTOMAT® SOS	
height	2600 - 3650 mm (8-fold height-adjustable)
width	500 mm
depth	1640 mm
footprint (suggestion)	1200 mm x 1900 mm
container height	500 - 2150 mm (without extension)
bulk bag tightener stroke	1000 mm
weight	170 to 200 kg
weight with packaging	270 to 300 kg
tension force	1500 N
ambient temperature	0 - 40 °C
electrical connection	230 V, 50/60 Hz   110 V, 50/60 Hz
compressed air connection	min. 6 bar , Ø 13 mm
operation	sideways



### Installation height

The OKTOMAT® SOS is 8-fold height-adjustable. The standard installation height can be selected from 2600 mm - 3650 mm. In order to achieve complete emptying, there must be a minimum distance of 1500 mm between the top edge of the container and the top edge of the discharge station.

An optional height increasing pedestal (+ 300 mm) is available.



## STANDARD EQUIPMENT

### Construction

Pedestal version, particularly space-saving in width, made of steel, powder-coated

### Height

2600 mm - 3650 mm, 8-fold height adjustable

### Foil / BigBag tightener

made of stainless steel (Ø 600 mm)  
for foil inliners and BigBag

### Suction head

Vibrating suction head (electric)  
type S-38 / type S-45 / type S-50 / type XL

### Automatic

Automatic complete emptying by means of automatic bag tightener with 1500 N tension force and controlled lifting and lowering of the suction head.

### Conveying line

38 mm / 45 mm / 50 mm  
Standard pipe elbow (stainless steel 1.4301 (AISI 304))

### SOS system

#### ◆ Oscillating system for suction head

#### ◆ Oscillating system for foil / BigBag tightener

- Residual discharge time display
- Empty signal via LED light and potential-free contact
- Automatic changeover to the next OKTOMAT® (control part)
- Pipe emptying suction (conveying line)

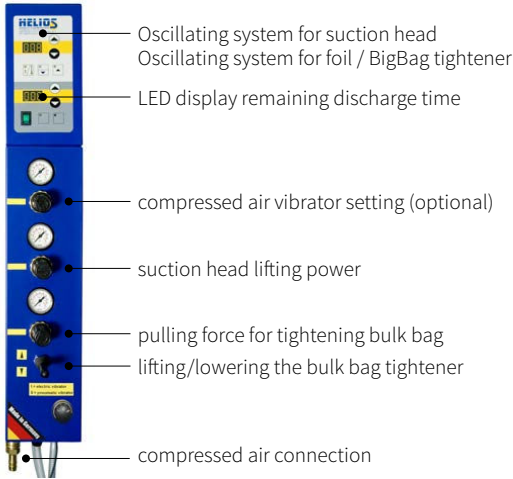
### Container types/materials

OKTOMAT® SOS handles easily and effectively the discharging of all common types of Octabins, BigBags, bulk bags with foil inlet. Suitable for emptying of free-flowing to bridge-forming materials.

**Delivered** pre-assembled in transport box



### SOS CONTROL



### ⇨ Oscillating system for suction head

The suction head enters vibrating into the material, is pulled up again in a time-controlled manner (the resulting sinkhole in the material fills up), is lowered back onto the surface and the procedure starts all over again. The oscillation, stroke, lifting force and sequence of short or long strokes are individually adjustable.

### ⇨ Oscillating system for foil/BigBag tightener

In case of very bridging materials, a non-slip wall may occur during the suction process. By repeated lowering and tightening of the foil /BigBag tightener during suction, the material wall will be loosened, thus enabling the material to flow towards the suction point.

### Emptying

In order to be able to empty the pipeline after each conveying process (e. g. in the case of long rising pipes), the suction head is raised above the bulk material level in the container when a signal is received from a conveyor control system and the pipeline is emptied.



### SUCTION HEAD

Type	Ø Conveying pipe	Diameter	Vibrator electric	Vibrator pneumatic	ATEX	CLEAN	AK
S-38	38 mm	295 mm	●	○	○	—	○
S-45	45 mm	295 mm	●	○	○	—	—
S-50	50 mm	295 mm	●	○	○	—	○
SM	38 / 45 / 50 / 60 / 65 / 80 mm	295 mm	—	●	○	—	○
XL	38 / 45 / 50 / 60 / 65 / 80 mm	495 mm	●	○	○	—	—
S-80 C	38 / 50 / 65 / 80 mm	250 mm	—	●	●	●	—
XL-80 C	38 / 50 / 65 / 80 mm	450 mm	—	●	●	●	—

● standard ○ optional — not available

#### Pipe elbows

Standard pipe elbow  
stainless steel 1.4301 Ø DN38 | DN45 | DN50  
optional:

- Stainless steel pipe elbow (hardened) wear-resistant
- Glass pipe elbow, highly wear-resistant
- straight pipe instead of pipe elbow stainless steel 1.4301 Ø DN60 | DN65 | DN80

#### Fluidization

For loosening up compacted bulk material. Separate control with two independent pneumatic circuits. Available for suction head SM / XL .

#### Additional weight

increases the contact weight (+4kg) of the suction head on the bulk material and thus helps to enter into the bulk material. Available for suction head S-38/45/50

#### Food version

Partial food version for suction head and conveying line (suction head Clean + conveying hose)

#### ATEX version Zone 2 / 22

partial zone: suction head + conveying line and/or foil/BigBag tightener



① Foil / BigBag tightener



② Foil tightener (ATEX)



③ BigBag tightener (ATEX)

### BULK BAG TIGHTENER

Type	Use	Diameter	Fixation	
Foil / BigBag tightener ①	BigBag + foil	260 mm	tension strap + carabiner	○
Foil / BigBag tightener ①	BigBag + foil	400 mm	tension strap + carabiner	○
Foil / BigBag tightener ①	BigBag + foil	600 mm	tension strap + carabiner	●
Foil tightener ②	Foil (ATEX Zone)	600 mm	clamping jaws	○
BigBag tightener ③	BigBag	500 mm	carabiner	○

● Standard ○ optional

### Protection cover

Cover for containers + foil / BigBag tightener.  
PVC, transparent with zipper  
Ø 1200 mm  
not suitable for ATEX

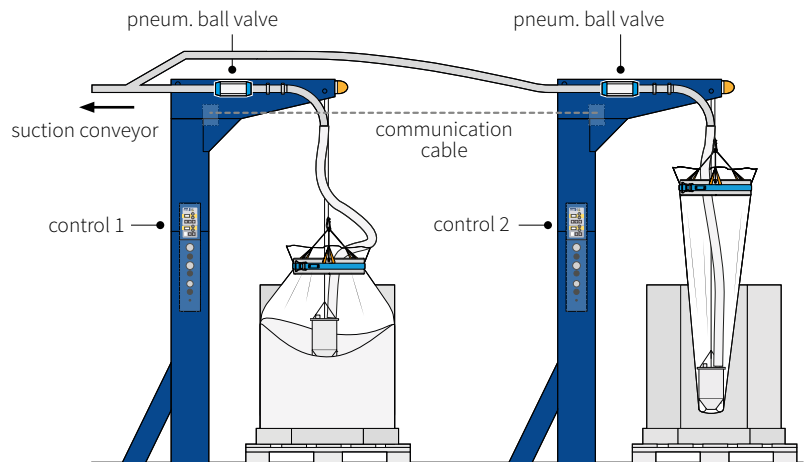


### ATEX version Zone 2 / 22

partial zone: bulk bag tightener  
Available for foil tightener and BigBag tightener

### Double station

Automatic switching on to a second container.  
Ideal for unmanned shifts. Switchover takes place via pneumatic ball valves. (optional)



### Remote control

For lifting and lowering of suction head and foil / BigBag tightener, start automatic operation. 5m cable length (suitable for standard control)

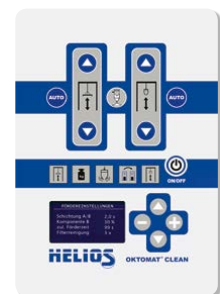


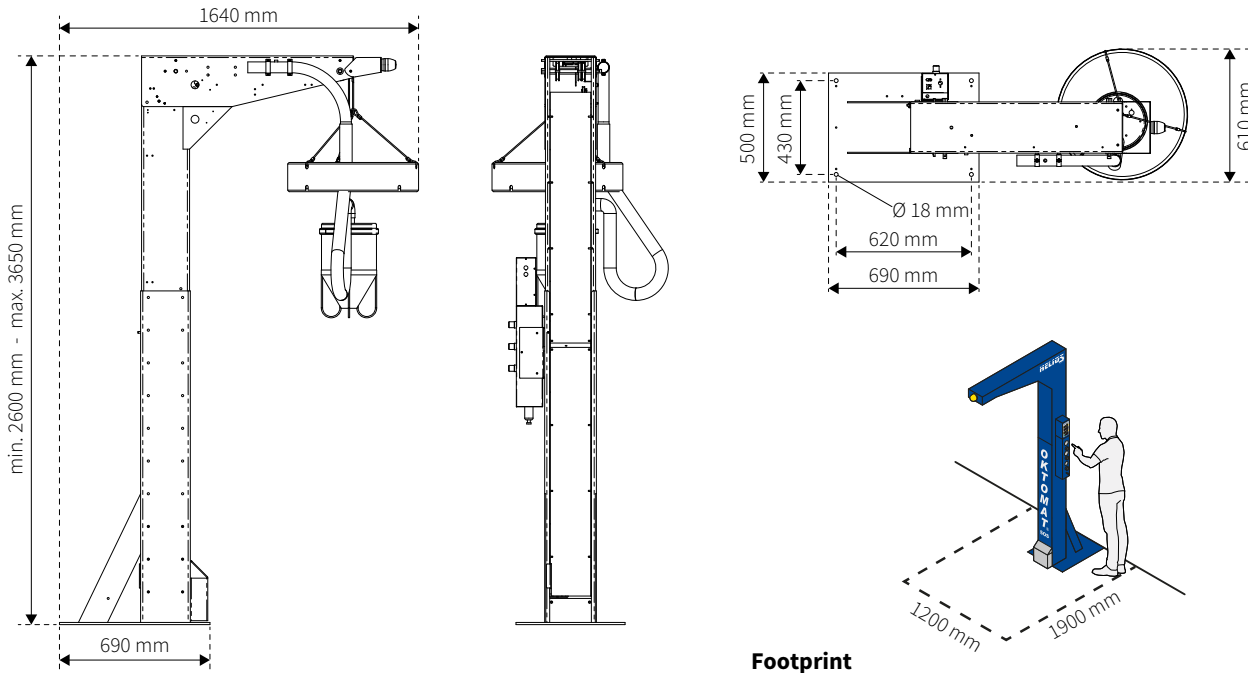
### OKTOBAG® control

The OKTOBAG® control is an extremely comprehensive discharge control and includes

- Graphic display with intuitive operator guidance
- Display of all operating states
- 5 function keys
- Buttons for automatic operation
- Button for conveyor unit ON/OFF

The entire program sequence can be individually programmed and individual functions can be disabled or enabled.



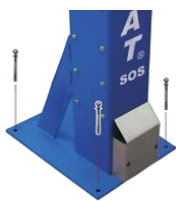


### Footprint

The required area to the front depends on the container type used. An area of approx. 1200 mm x 1900 mm is recommended.

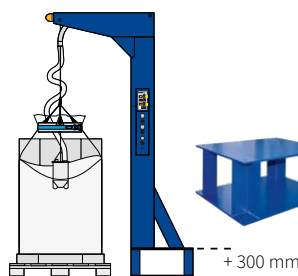
### Anchoring to the floor

Installation on the floor is carried out with four anchoring dowels (not included).



### Height increasing pedestal

Pedestal extension for the simple increase of the OKTOMAT® SOS by 300 mm. Installation between base and floor.



### Movable frame on castors

Optional frame with 4 castors incl. fixing bolts. 1500 x 1400 mm. Height: 155 mm (175 mm when fixed) Suitable for continuous use.

- Movable frame on castors standard, powder-coated
- Movable frame on castors stainless steel 1.4301 (AISI 304)



### Special versions

- OKTOMAT® SOS INOX
- OKTOMAT® SOS INOX ATEX



MADE IN GERMANY

EN\_2018\_06\_18\_DB-OKTOMAT SOS | subject to change without notice