

Barrel Dump Station

03 TIPPING

Advantages



➤ Compatible with drums fitted with internal sack



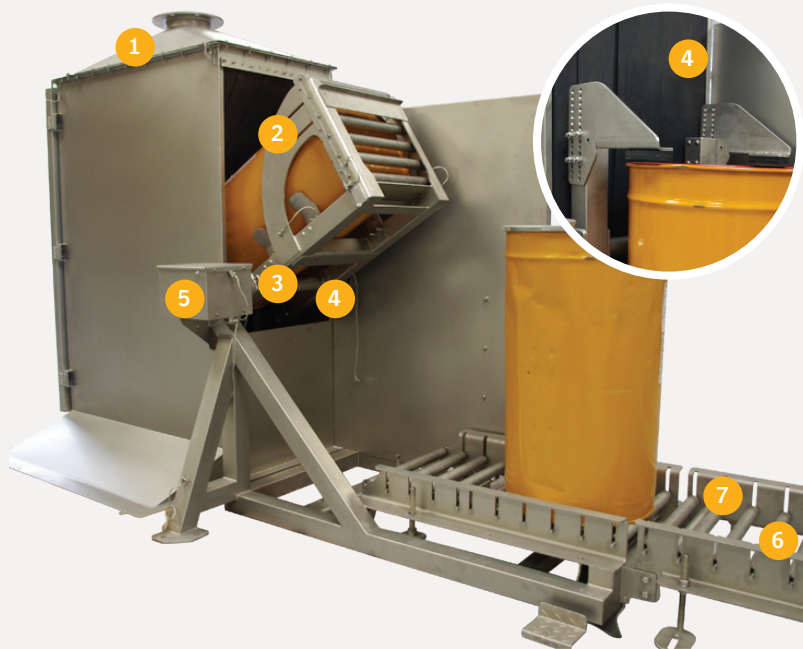
➤ Toxic products applications



➤ Adjustable to all drum-types



➤ Maximal containment enclosure for a healthy workplace



[+] Security

➤ Protective screen

It is positioned near the tilting engine and guarantees the operator's security

➤ Lock system

The cycle start is forbidden when the door is open

➤ Control system

The control is conducted by "maintained" push buttons. The cycle is interrupted if the operator loses one of the buttons

➤ Security area

Between the conveyor and the tipping device, it avoids all risks of collision and ensures the installation reliability

1. Hotte de capotage - 2. Tipping cradle with adjustable dimensions - 3. Arbre de basculement directly connected to engine - 4. Damper to maintain drum upper position during tipping (adjustable in height by monitoring system) - 5. Pivoting system with angular sensor - 6. Motorized roller conveyor - 7. Lifted frame for drum maintenance

▶ TECHNICAL SPECIFICATIONS

Rate : 1 barrel/2 min.

Manufacturing: framework in painted steel / stainless steel

Loading capacity: 180 kg

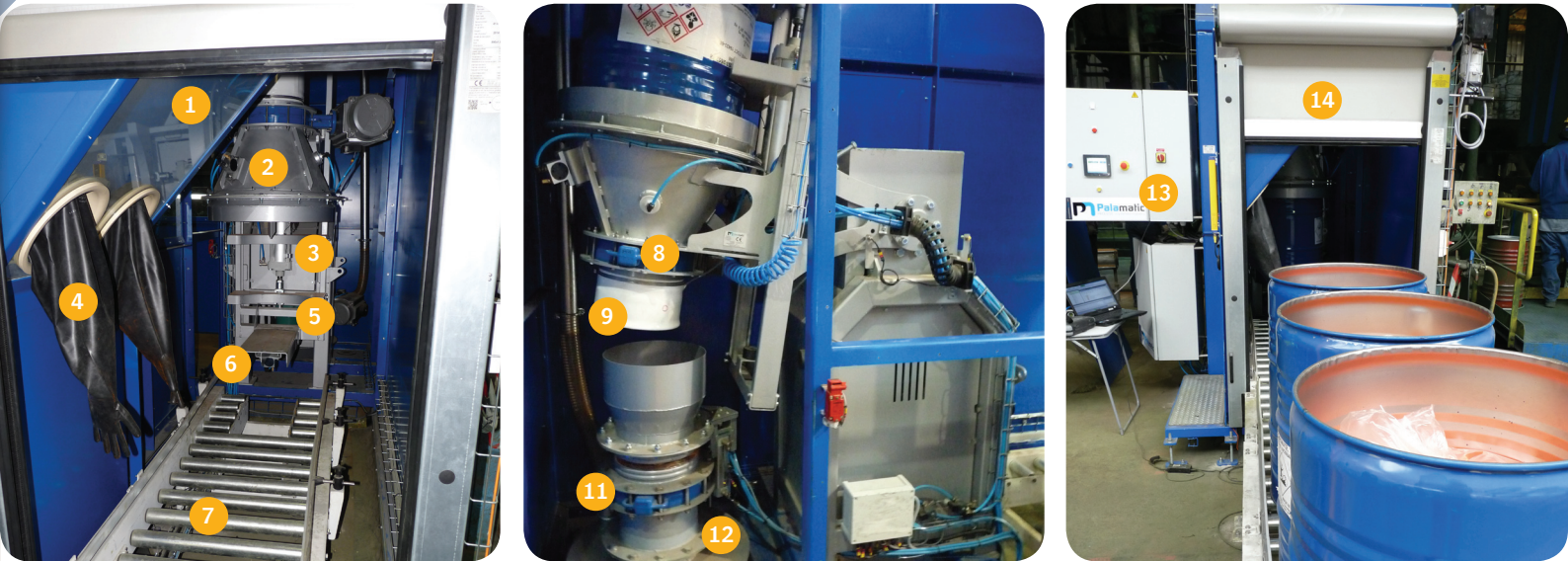
Angle : up to 180°

Drum tipping: electrical engine of 5,5 kW

▶ OPERATION MODE

AVERAGE TIME OF A COMPLETE CYCLE: 2 MIN.

1. The drum positioning on the inlet conveyor.
2. The drums are led by gravity to the emptying area.
3. The first drum is put at the positioning stop; rubber pads ensure drum accommodation without any impact.
4. When the drum is positioned, the operator can start the tipping cycle. The control of the cycle is conducted by means of two push buttons for lifting and two buttons for descending of the drum. The tipping is ensured by a gearmotor. The moving assembly arrives to abutment against the rubber pads.
5. When emptied, drums return to their initial position under the operator's control.
6. The operator can then manually move the drums to the soiled drums station.



1. Containment enclosure - 2. Flow aid vibrator - 3. Containment cylinder - 4. Gloves for drum opening - 5. Tipping cradle - 6. Bottom drum vibrator - 7. Motorized drum preparation conveyor - 8. Dump valve - 9. Connection inflatable seal - 10. Motorized switching group - 11. Isolation valve of the collecting hopper - 12. Collecting hopper - 13. Control panel - 14. Cabin with sectional door

▶ TECHNICAL SPECIFICATION

Rate: 1 drum/4-5 min.

Manufacturing: framework in painted steel/stainless steel

Loading capacity: 250 kg

Angle: up to 180°

Drum tipping: electrical engine of 7,5 kW

Drum containment: pneumatic cylinder with sealing control by overpressure

Connection: by low-pressure inflatable seal

Draining butterfly valve: DN150

Product flow assistance: fluidiser on the discharge cone, vibrator on the cone or drum bottom

▶ OPERATING MODE

Containment



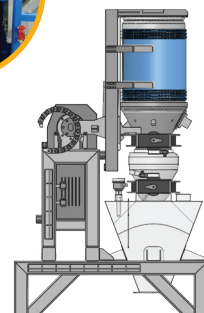
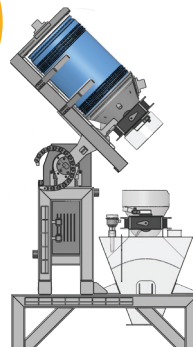
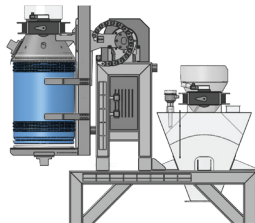
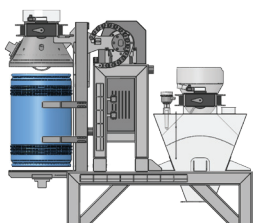
Tipping



Fixation



Discharging



1. Drum placing on the inlet conveyor and on tipping cradle

2. Drum confinement is assured by cradle lifting on the containment cone. The internal cone forks prevent the reversal of the internal sack

3. Drum tilting

4. Connection to the hopper by means of inflatable seal and dump valves opening