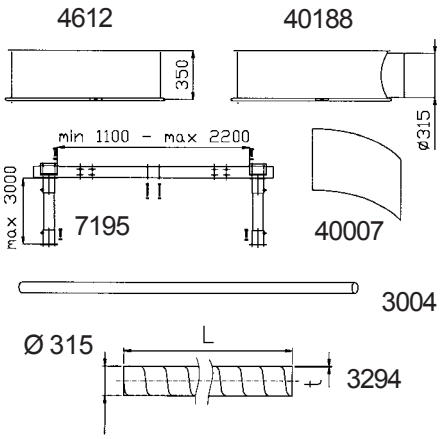
Accessories F 30000



Part No. 40188 Pressure Relief Module
Used in applications with explosive dusts. The module is equipped with a pressure relief port to relieve the pressure wave in a deflagration. The relief port must relieve to atmosphere in accordance with the prevailing local standards.The module is installed between the inlet module and the cone.

Part No. 3294 Spiral tubing Ø 315
For connection to pressure relief module.

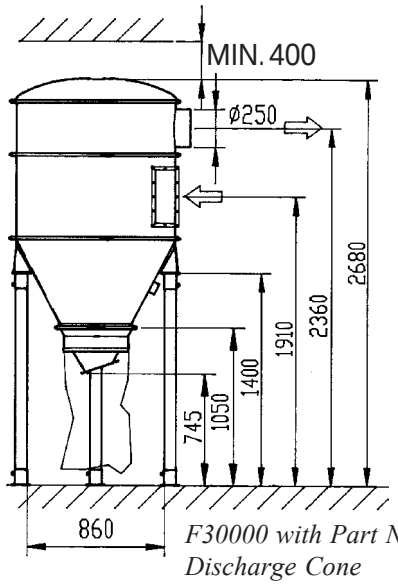
Part No. 4612 Body Module
Increases the height of the cyclone and can increase separation efficiency for some materials.

Part No. 40007 Inlet Wear Plate
This is installed in the inlet module of the separator and increases the resistance to abrasion caused by incoming material in the gas flow.

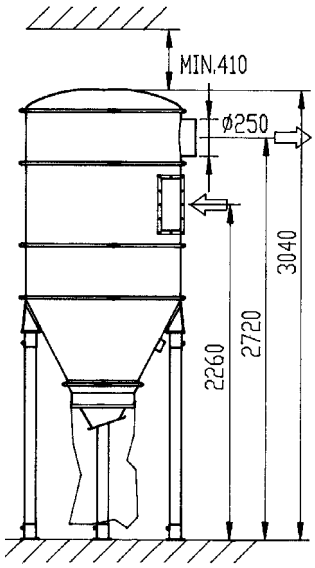
Part No. 7195 Widening Chassis
For applications where material is to be discharged into a larger receiver such as a tipping container. For leg lengths greater than 1400 mm, order Part No. 3004 steel tube. Installation examples on pg. 29.

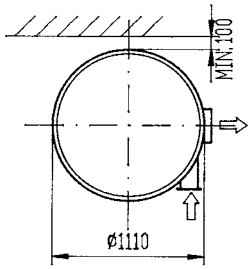
Part No. 3004 Steel Tube 76 mm, galvanised
Ordered by the meter and delivered in 3 m lengths. Used when leg length required is greater than the 1400 mm legs delivered with the unit.

Dimensions, Installation Example F 30000



F30000 with Part No. 4706 Discharge Cone

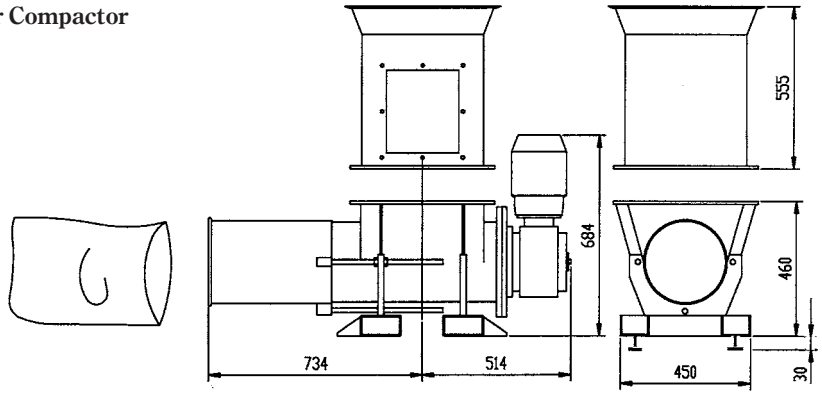




F30000 with Part No. 4706 Discharge Cone and 4612 Body Module

Discharge Arrangements for: F 8000, F 11000, F 20000, F 30000, S 11000, S 32000 and S 34000

Auger Compactor



TECHNICAL DATA

Flange, outer mm	500x500
inner mm	425x425
Weight	218 kg
Capacity	2-5 m³/h
Motor Power	2.2 kW
Voltage	230/400 V
Max Op. Pressure	40 kPa
Service Interval (1st service 300 h)	1500 h

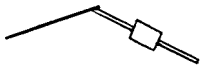
Part No. 7343 Auger Compactor Connection

Part No. 7065 Auger Compactor
This arrangement is used for material that can be compacted, i.e.: paper dust and strips. Collected material is compacted and discharged into a plastic collection sack. The drive motor control should be configured to reverse for several seconds to clear eventual clogs.

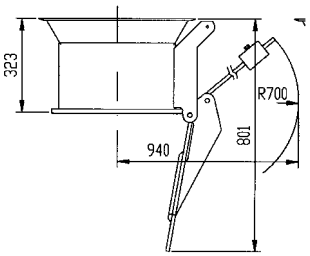
Part No. 4714 Collection Sack, 50 Pack

Continious Discharge Arrangements for: F 8000, F 11000, F 20000, F 30000, S 11000, S 32000 and S 34000

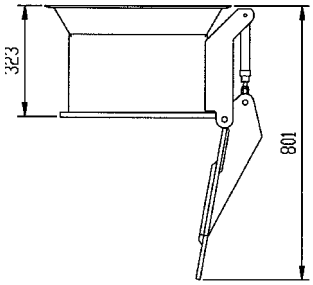
Foot Valves



Part No. 7131 Counter Balance for Discharge Cone (Part No. 4706)
The rubber flap on the discharge cone is replaced with the counter balance flap. This unit will close when the system is under operation. When the system is at rest, collected material will be discharged into an open container. Note: only for use with suitable materials.

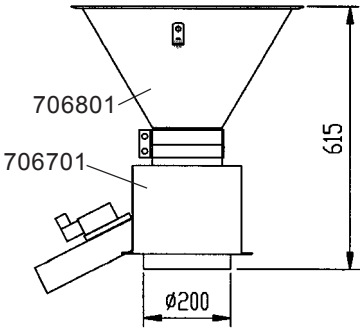


Part No. 7338 Counter
Balance Foot Valve 400 mm
This arrangement replaces the standard cone and functions by closing automatically when the system is in operation and releasing collected material when the system is at rest. Note: only for use with suitable material.

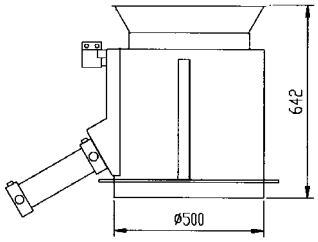


Part No. 7303 Auto Foot Valve 400 mm
This is an automatically controlled, pneumatically actuated foot valve that opens when the system is at rest. It is used for the discharge of materials into an open container and should be used only with materials that will flow.

Discharge Valves

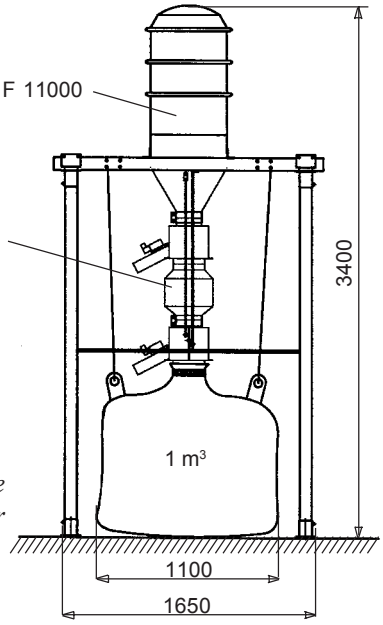


Part No. 706801 Reduction Cone 400/160 mm
Part No. 7067 Discharge Valve 160 mm
This automatically controlled, pneumatically actuated valve can discharge collected material from the separator when the system is at rest. It is used for discharge into an open container or conveyor. The material must have good flow characteristics.



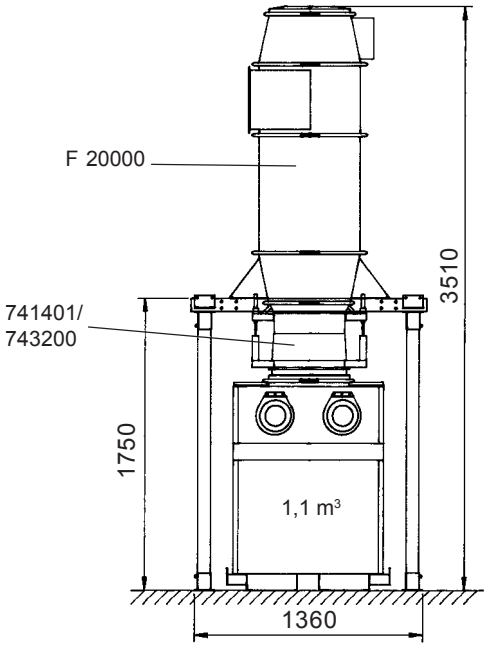
Part No. 7341 Discharge Valve 400 mm
This automatically controlled, pneumatically actuated valve can discharge collected material from the separator when the system is at rest. It is used for discharge into an open container or conveyor. The material must have good flow characteristics.

Dimensions, Installation Examples



Optional Configurations: In certain applications, automatic discharge during operation can be achieved by using a peristaltic airlock. Collected material can be discharged into a " Super Sack ".

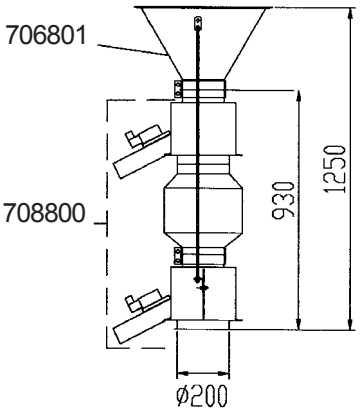
F 20000 with widening chassis and discharge into a 1.1 m³ container.



Continious Discharge Arrangements for: F 8000, F 11000, F 20000, F 30000, S 11000, S 32000 and S 34000

Peristaltic Airlock

Continuous discharge of material during operation can be achieved by installing two valves in series with an intermediate receiver. The material must be of such a nature that it flows easily.

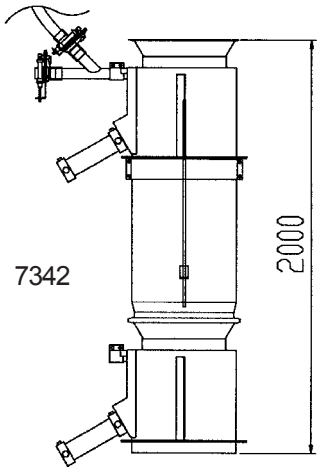


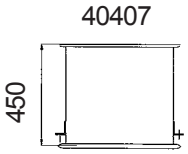
Part No. 706801
Reduction Cone 400/160 mm

Part No. 708800
Peristaltic Airlock 160 mm

The Peristaltic Airlock 160 mm is delivered complete with solenoid valves for actuation. A separate control must be selected from page 68, see also Y2 and Y3 below. Note that the valves are normally open when not energized.

The lower discharge valve must be guyed and unweighted to the chassis or legs. For installation hardware, see pg. 40.



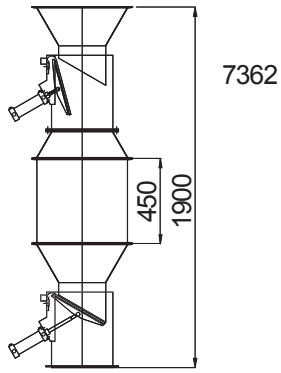


Part No. 7342
Peristaltic Airlock 400 mm

Part No. 7362
Peristaltic Airlock 250 mm

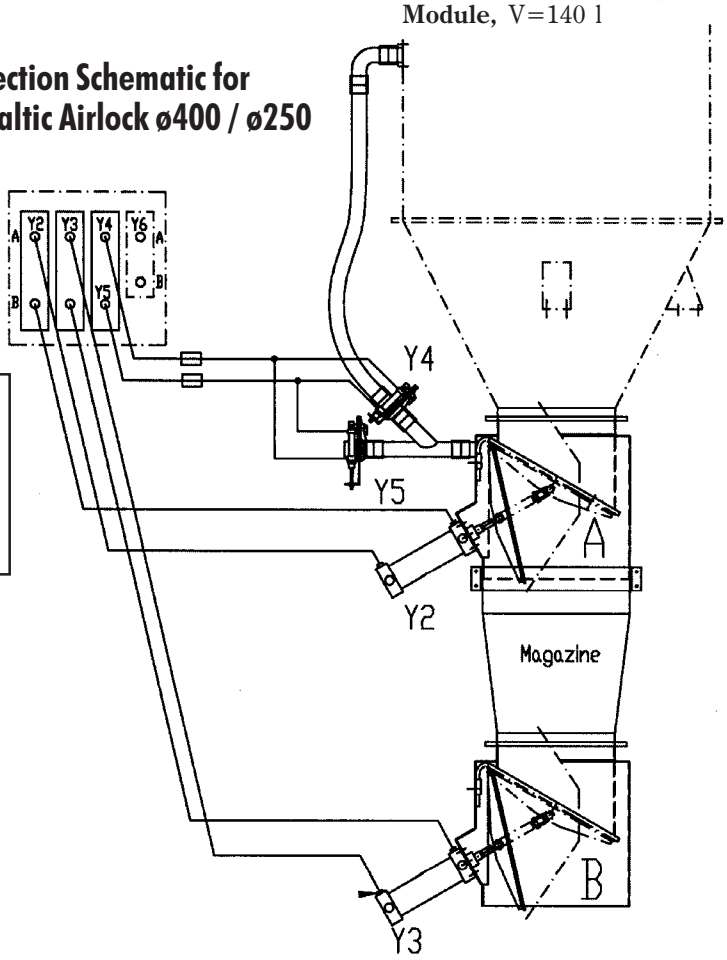
This airlock consists of two 400 mm discharge valves and auto shutter valves for pressure compensation of the valves. The airlock is delivered complete with a control solenoid block. For selection of a suitable control cycle time, see the graph below. Select a control from page 68 for control of the airlock. Note that airlock pneumatic cylinders Y2 and Y3 should be open when the controlling solenoids are not energized.

The lower discharge valve must be guyed and unweighted to the chassis or legs. For installation hardware, see pg. 40.



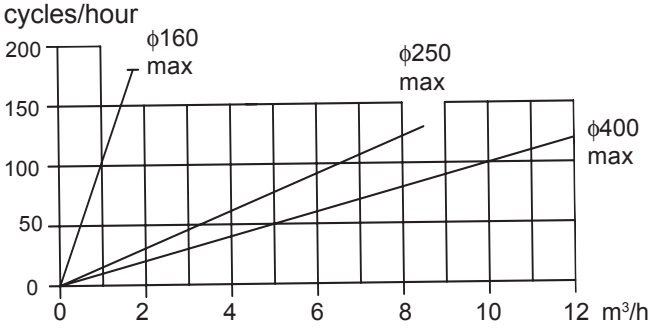
Part No. 40407 Storage Module, V=140 l

Connection Schematic for Peristaltic Airlock ø400 / ø250

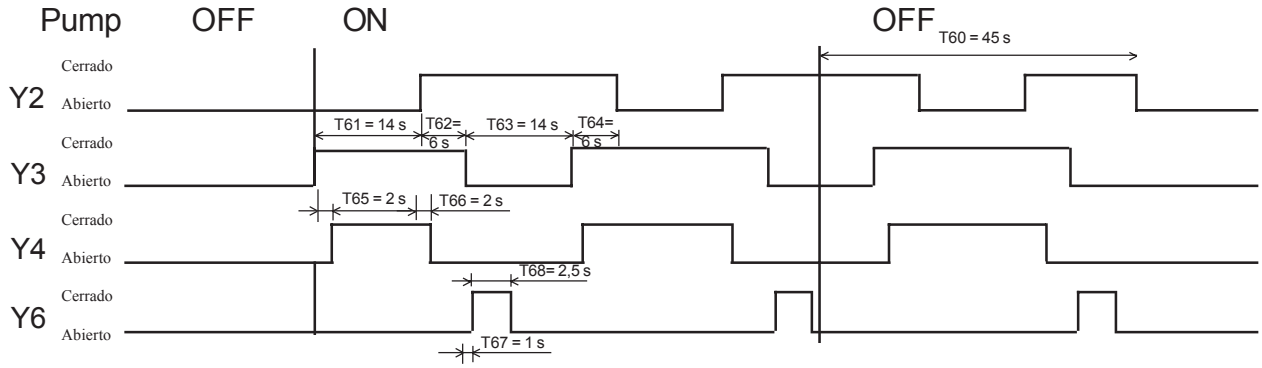


Technical Data	ø160	ø250	ø400
Volume Receiver	12 l	110 l	190 l
Air Consumption/cycle (5 bar)	5	15	60
Solenoids 24V AC	2 pcs.	4 pcs.	4 pcs.
Service Interval (singel shift operation)	1 year	1 year	1 year

Discharge Capacity (average value shown — varies by material)



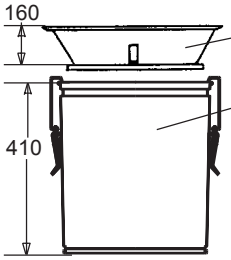
Control signal sequence for Peristaltic Airlocks



Cycle timer relays should be adjusted for the actual application. Y2 and Y3 control the airlock. Y4 (Y5 connected inversely) relieve pressure. Y6 is connected in special circumstances to force discharge.

Continious Discharge Arrangements for: F8000, F11000, F20000, F30000, S11000, S32000, S34000

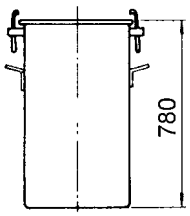
Container



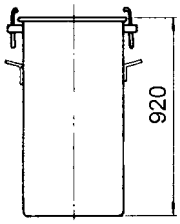
Part No. 40655
Discharge Cone

Part No. 40656
Steel Container 35 l
Installs under the cyclone for material collection.

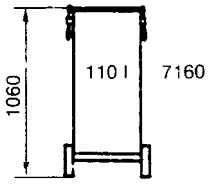
Part No. 4749 Adapter 480/400 for steel containers



Part No. 7066
Steel Container 90 l.



Part No. 7159
Steel Container 110 l with collection sack.



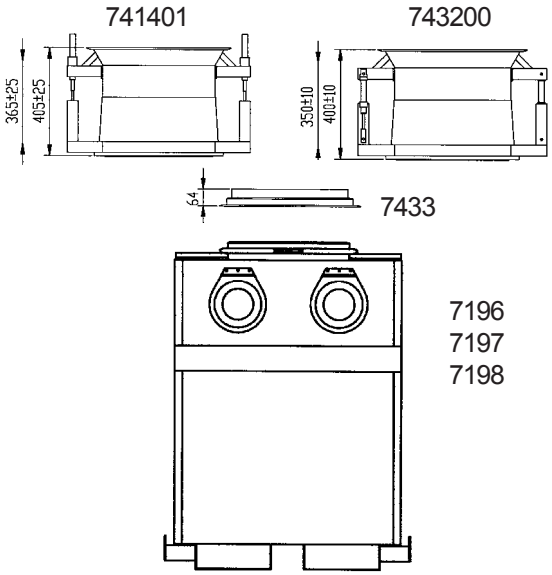
Part No 7160
Steel Container 110 l Portable with collection sack

Steel collection containers are mounted directly under the cyclone by using art. no. 4749 Adapter. Consider always the weight of the collected material and plan emptying of the container at suitable intervals. Note: installation of part no. 7160 requires lengthened legs on the F 20000 and F 30000.

Part No. 4714 Collection sack, 50 pack for art 7159 and 7160.

Part No. 42111 Collection sack, 50 pack, antistatic.

Tipping Container



Part No. 741401
Manual Intermediate Connection
Secured with two eccentric locks that are locked down when the container is present.

Part No. 743200
Automatic Intermediate Connection
Secured automatically in the down position by two pneumatic cylinders when the container is present. Can be controlled with a manual pneumatic valve, art. no. 8040 or by an optional automatic control.

Part No. 7433
Adapter 442/11000 Module

Tipping Containers

Part No.	Description	Collection Volume
7196	0.6 m³	0.3 m³
7197	1.1 m³	0.6 m³
7198	2.5 m³	1.3 m³

For dimensions and accessories, see following page.

Tipping containers are sealed to the cyclone bottom cone with an intermediate connection and adapter. Material can continuously collect in the container. A widening chassis must be used to install the cyclone to accommodate the width of the container.