

Healthy Business

Dustcontrol®

Dustcontrol

Pre-Separators

When large quantities of material are to be separated, it is advisable to use a pre-separator. The pre-separator can be placed at the workplace or in conjunction with the central unit.



About Pre-Separators

Pre-Separators can be used in all applications where the extracted material is coarse or voluminous. These can be placed in the actual workplace for separate handling or recovery of the extracted material, or centrally to relieve filter loading.

Pre-Separators separate material from the air flow using the action of a cyclone or with inertial separation.

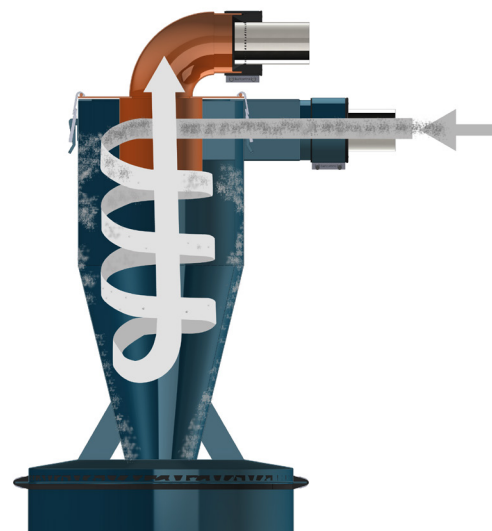
The Cyclone Principle is very effective in separating particles down to 1/100 mm.

Inertial separators are generally configured as containers with the inlet and outlet in the same wall of the container. When the air flow changes direction abruptly, separation occurs for the particles with higher relative mass.

Cyclone Pre-Separators

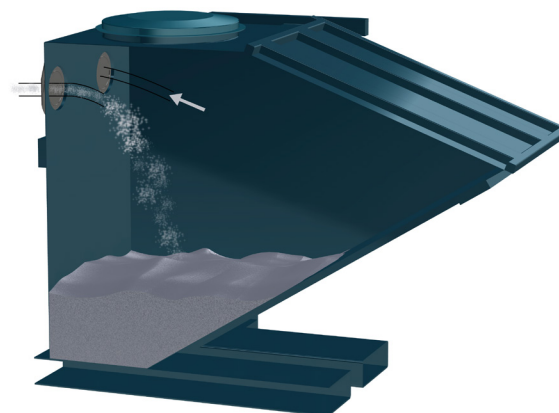
TYPE OF MATERIAL	Air flow [m³/h]	Select Pre-Separator
All types, particularly where	100–200	DCF 60, F 2500, DCF 2800
a large percentage is fine	100–500	DCF Mobil
particulate	200–500	F 3500
	500–700	F 8000
	500–1000	F 11000
	1000–4000	F 20000
	2000–5000	F 30000

DISCHARGE TO	Volume	Equipment
Plastic bag	lesser	Discharge cone
Compacted in plastic bag	greater	Auger Compactor
Open Container, Conveyor	lesser	Foot Valves/Auto Foot Valve/ Discharge Valves
	greater	Peristaltic Airlock
Small Container	lesser	With or without plastic bag
Tipping Container	greater	



Cyclone Principle

Meaning that the inlet is mounted tangentially on the body and the air flow is thus forced against the inside of the cyclone.



Inertial Principle

Meaning that the air stream flows into the container and abruptly changes course.

Inertial Pre-Separators

MATERIAL TYPE	Air flow [m³/h]	Volume	Select Pre-Separator
Coarse and dense	250-2000	moderate	Tipping Container
	250-2000	large	Large Container

Mobile Pre-Separators

DCF Mobile

The DCF Mobile is suitable for the separation of different types of coarse material, liquids and water. It is light and fitted with wheels, so it can be connected to the workplace directly, thereby reducing the loading on the ducting system and minimising the risk of blockage.

The DCF Mobile is the standard model of the mobile pre-separator. For emptying, the snap-on catches on the top cover are released and the material is shovelled or tipped out.

Part No Description

7010	DCF Mobile Standard
7074	DCF Mobile Plastic Bag
7073	DCF Mobile Liquid Separator
7009	DCF Mobile Water Separator
7097	DCF Mobile Cyclone



Accessories (Part No)

4714 Collecting Bag, 50 pcs for Pre-Separators 7074 and 7097

TECHNICAL DATA	DCF Mobile
Container volume [l/gal]	95/25.1
Height [mm/in]	900/35.4 (without cy-
Height [mm/in]	1650/65 (with cyclone)
Container diameter [mm/in]	440/17.3
Weight [kg/lb]	30/66 (without cyclone)
Weight [kg/lb]	35/77 (with cyclone)
Inlet/Outlet Ø [mm/in]	76/3
Air flow [m³/h / cfm]	100–500/59-294



Mobile with Water Separator / 7009

The DCF Mobile Water Separator is fitted with Ø50 mm drain valve. This is used where large amounts of water will be separated.



Mobile with Liquid Separator / 7073

The DCF Mobile Liquid Separator is fitted with an intermediate grill and drain valve. It is suitable for handling chips where cutting fluids and coolants are also collected.



Mobile with Cyclone / 7097

The DCF Mobile Cyclone has a high efficiency cyclone mounted on the top cover. Thanks to the small diameter of the cylinder in relation to its height and to the especially shaped inlet, this separator can separate even smaller and lighter materials such as asbestos fibres. The separated material then falls into the container which is fitted with a plastic bag for dust-free handling.



Mobile with Plastic bag / 7074

The DCF Mobile complete with plastic bag has the same fittings as the standard model plus plastic bags and a pressure compensating hose in order to obtain the same vacuum outside and inside the plastic bag. This pre-separator is suitable for use when handling materials which need to be collected in a sealed package.

Mobile Pre-Separators

DCF Cyclone Separator Cover

When large quantities of dust are produced, a DC 5900, for example, can be supplemented with a cyclone separator cover that is fitted directly onto a standard barrel.

Part No Description

7367 Cyclone separator cover

TECHNICAL DATA	DCF Cyclone Separator Cover
HxWxD [mm/in]	580/23
Weight [kg/lb]	10/22
Inlet/Outlet Ø [mm/in]	76/3
Cyclone diameter Ø [mm/in]	Ø250/10
Barrel diameter Ø [mm/in] (For a standard barrel 200/52.8 [l/gal])	620/24



DCF 60

The DCF 60 Pre-Separator can handle large quantities of dust. Due to its large inlet the Pre-Separator is also well suited to separate coarse dirt. Perfect for wood floor grinding.

Part No Description

7069 DCF 60 with wheel set

TECHNICAL DATA	DCF 60
HxWxD [mm/in]	1060x380x380/42x15x15
Weight [kg/lb]	10/22
Inlet Ø [mm/in]	Ø62 /2.4
Outlet Ø [mm/in]	Ø50 /2
Collection container [l/gal]	55/14.5
Air flow [m³/h / cfm]	100–200/59–118



DCF 2900 c/L

The DCF 2900 Pre-Separator is often used in combination with the DC 2900 dust extractor to relieve the loading on the filter. Two models available, with bags (c) or with Longopac (L).

Part No Description

7372 DCF 2900 c
737200 DCF 2900 L

TECHNICAL DATA	DCF 2900 c/L
HxWxD [mm/in]	1000x540x450/39x21x18
Weight [kg/lb]	c) 10/22 L) 15/33
Inlet Ø [mm/in]	Ø50/2
Cyclone diameter [mm/in]	Ø250/10
Collection container [l/gal]	c) 40/10 L) Longopac
Air flow [m³/h / cfm]	100–200/59–118



Supplied with (Part No)

42702 Plastic Bags
44763 Longopac mini, 7 x 12 m/39ft



Mobile Pre-Separators

DCF Tromb

The DCF Tromb a/c/L is ideal for floor grinding and semi-mobile systems where large quantities of dust are handled. The pre-separator reduces the strain on the extraction source and is equipped with a intellibag/Longopac/container-solution for dust-free bag replacement, therefore allowing the user to avoid unnecessary and time-consuming shutdowns.

TECHNICAL DATA	DCF Tromb
HxWxD [mm/in]	1290x600x780/53.5x23.5x31.5
Weight [kg/lb]	A) 33/73 L) 32/70 C) 27/59
Inlet Ø [mm/in]	76/3
Collection container [l/gal]	A) 40/10.6 C) 20/5.3 L) Longopac
Air flow [m³/h / cfm]	400–700/235–412



Part No Description

707002	DCF Tromb a
707001	DCF Tromb c
707000	DCF Tromb L

Supplied with (Part No)

DCF Tromb A
5 x plastic bags (42285)

DCF Tromb C
10 x plastic bag (43619)

DCF Tromb L
Longopac (432177)

DCF Storm

The DCF Storm is ideal for floor grinding and semi-mobile systems and could be set apart to handle large and heavy quantities of dust. The pre-separator relieves the loading on the filter in the vacuum source and is equipped with a Longopac solution for dust-free bag changing, so that the user can minimise unnecessary and time-consuming stoppages. Also available as a standard “c” model with an intellibag.

TECHNICAL DATA	DCF Storm
HxWxD [mm/in]	1850x700x1080 /73x27x42
Weight [kg/lb]	46/101
Inlet Ø [mm/in]	108/4
Flow max, fan, EU [m³/h]	700
Flow max, fan, US/CAN [cfm]	412



Part No Description

70700	DCF Storm c
70701	DCF Storm L

Supplied with (Part No)

DCF Storm C
plastic bags (46145)

DCF Storm L
Longopac 25 m /82 ft
(44077)

Mobile Pre-Separators

DCF Immersion

DCF Immersion for handling metals and reactive material in a safe way. The material is sucked/transported through a fluid and collected in a fine net basket. The basket and collected materials sit in the neutralising fluid until emptied.

Liquid Catchment & Demister Filter

A liquid catchment system with a demister filter prevents neutralising liquid and moisture from exiting the system. A hydrophobic filter is an optional accessory that can be used as an extra precaution against moisture.

Dustcontrol recommends the use of a 0W-20 oil as neutralising liquid to ensure that no hydrogen build-up occur. Many metals, eg. aluminium, titanium, magnesium react with water creating hydrogen which is highly combustible. Use of water in such instances is prohibited.

Some of the latest updates from earlier model part no 74100 to this latest version, part nr 74101:

- Simplified design of the inlet and changing of the diameter from Ø53 mm to Ø50.
- A potential equalization cable (45201) has been added.
- Plastic basket (44074) has been removed.



Pre-Separator DCF Immersion

TECHNICAL DATA	DCF Immersion
HxWxD [mm/in]	1480x620x 838/58x24x33
Weight [kg/lb]	40/88
Flow max, min-max [m³/h / cfm]	140-250 / 82-147
Neutralizing liquid volume [l/gal]	20/5.3
Neutralizing liquid	0W-20 oil
Chip collection capacity	1 / 0.263 or maximum 5 % of the liquid level

Part No 74101 DCF Immersion

 **Supplied with** (Part No)
Hydrophobic filter 44108





Stationary Pre-Separators



F 250 FC Pre-Separator



F 250 – Food Contact

The F 250 FC (Food Contact) is a compact pre-separator designed to avoid accumulation of dust. Size, weight, integrated brackets for easy disassembly and other construction facilitate cleaning. The pre-separator is made of acid-resistant material. The pre-separator is supplied with integrated brackets, lid and with O-rings for lids and containers.

TECHNICAL DATA	F 250 FC
Dimensioning	606 x 350 x 350 / 23.9 x 13.8 x 13.8
Weight [kg/lb]	7.5 / 16.5
Inlet Ø [mm/in]	76 / 10
Outlet Ø [mm/in]	108 / 14
Flow [m³/h]	100-500 / 58.8-294

Part No Description

7187 F 250 FC, Pre-Separator
with lids and O-rings
FC=Intended for Food Contact

Supplied with (Part No)

45284 O-Ring 239, 3X5,7 (For upper lid)
45285 O-Ring 339, 3X5,7 (For container)



Accessories (Part No)

44608 Container, 50L Stainless Steel

Stationary Pre-Separators

F 2500, F 3500

The F 2500 and F 3500 are wall mounted cyclone type pre-separators used directly at the work station to relieve loading on the tubing system/filter or for separation of recoverable material. These can also be used as central pre-separators in smaller systems with the DC Tromb and DC 11-Module respectively.



F 2500

F 3500

Part No Description

700501	F 2500 Plastic Cone
7061	F 2500 Fluid Separator Ø76
7379	F 2500 with Counter Balance Arrangement
706001	F 3500 Plastic Cone
7157	F 3500 Fluid Separator Ø76
7156	F 3500 with cone D=160
7383	F 3500 with Counter Balance Arrangement

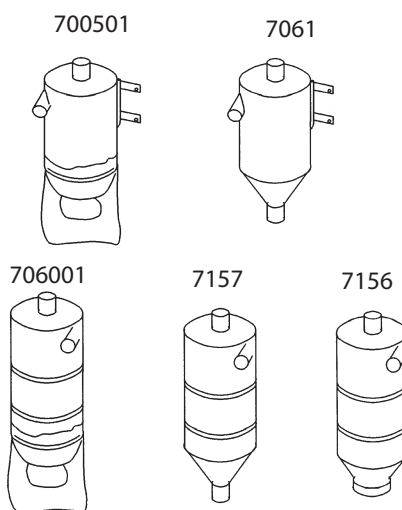


Accessories (Part No)

42384	Plastic Bag, F 2500, antistatic
4314	Plastic Bag, F 3500, 50 pcs
42702	IntelliBag 10 pcs/roll
706701	Discharge Valve 160 mm - AC
70670100	Discharge Valve 160 mm - DC
7128	Return Valve for Fluid Separator

Discharge Valve is installed for discharge to an open container. Controlled discharge can occur with this pneumatically actuated valve. Must be connected to a suitable control panel.

Dimensions, installation examples

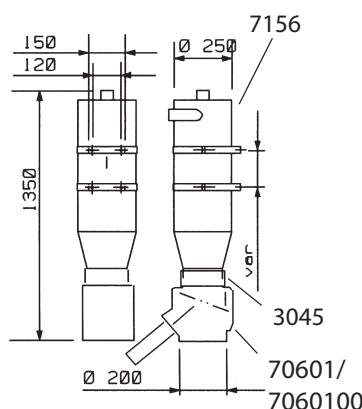
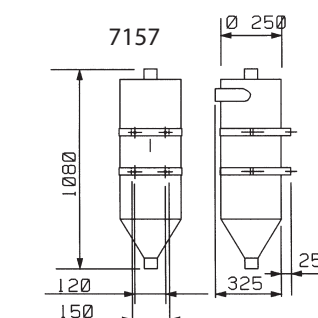
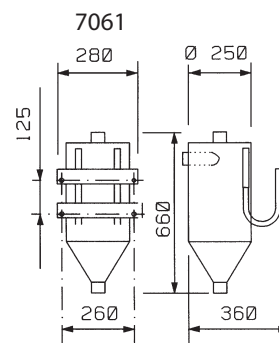
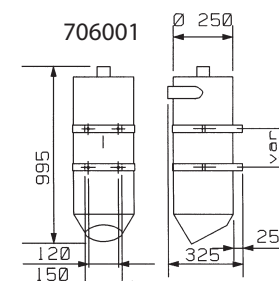
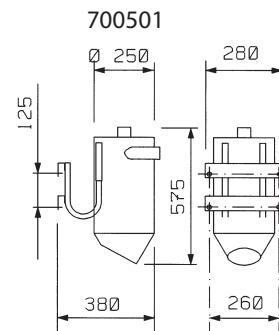
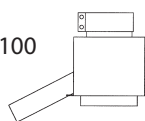


42384/42702

4314



70601/ 7060100



TECHNICAL DATA	F 2500	F 3500
Weight [kg/lb]	5/11	13/28.6
Inlet/outlet Ø [mm/in]	50/2	76/3
Flow [m³/h]	100-200	200-500

Stationary Pre-Separators

F 8000

F 8000 with straight vertical outlet is a high efficiency inertial separator for the separation of fine and light dust, e.g. wood dust. It can be equipped with a 40407 Module Ring to create a larger storage capacity.

TECHNICAL DATA	F 8000 Stationary
Weight [kg/lb]	24.2/53.35
Inlet Ø [mm/in]	108/4.2
Outlet Ø [mm/in]	108/4.2
Flow [m³/h]	500-700/29.3-412
Body Ø [mm/in]	300/11.8

Part No 7544 F 8000 (76091, 7345, 3037)



Accessories (Part No)

46091	Module Ring
3037	Bracket 500 mm (2 pcs required)
7345	F 8000 Body Module
40407	Module Ring
7290	Widening Chassis
7461	Auto Foot Valve 470 mm, AC
746100	Auto Foot Valve 470 mm, DC
42111	Collection Bag, 50 pcs, antistatic
4714	Collection Bag, 50 pcs
44077	Longopac Midi (1x25 m)
46828	Longopac Holder Midi (MR1)
44248	Adaption Kit Longopac Midi
40655	Discharge Cone for container
40656	Steel Container, 40 l

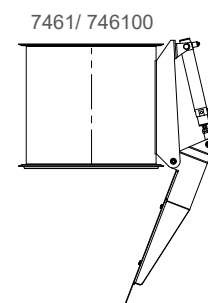
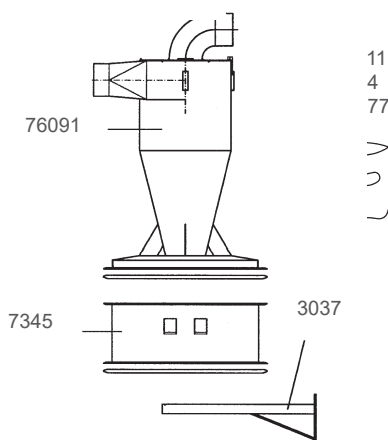
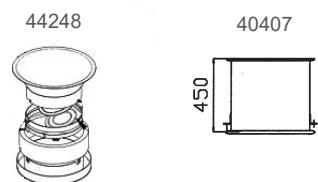
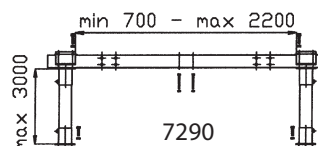
Containers

Go to page 71 to see all options for Impermeable containers for pre-separators. And If you have any requests go to our webpage:

<https://dustcontrol.com/product/containers/>

F 8000 Part No 7544 (76091, 7345, 3037) + Accessory 7461/746100,

Accessories (Part No)



Stationary Pre-Separators

F 11000

Part No Description

7177	F 11000 without Cone
4706	Discharge Cone for bag
42111	Collection Bag, 50 pcs, antistatic
4714	Collection Bag, 50 pcs
5024	Wall Bracket, complete
7178	F 11000X FC 1.4404 (without discharge cone, container and floor stand)

FC=Intended for Food Contact



TECHICAL DATA

F 11000

Weight [kg/lb]	ca 45/99
Inlet Ø [mm/in]	108/4.2
Outlet Ø [mm/in]	108/4.2
Flow [m³/h]	500-1000
Body Ø [mm/in]	477/18.7

Pre-Separator F 11000

The F 11000 is a modular cyclone pre-separator that is very flexible and can be configured easily to an exact requirement. Discharge equipment options can be used alternatively to the discharge cone with plastic bag collection.

Pre-Separator F 11000 FC 1.4404

The pre-separator F 11000 FC is adapted for recycling food products. It is manufactured in accordance with EU 1935/ 2004 in acid-resistant material 1.4404. The design has been created to avoid dust build-up and for optimized clean ability according to the guideline EN 1672-2: 2009.

Accessories (Part No)

44248



Containers

Go to page 71 to see all options for Impermeable containers for pre-separators. And If you have any requests go to our webpage:

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42111
4714
44077

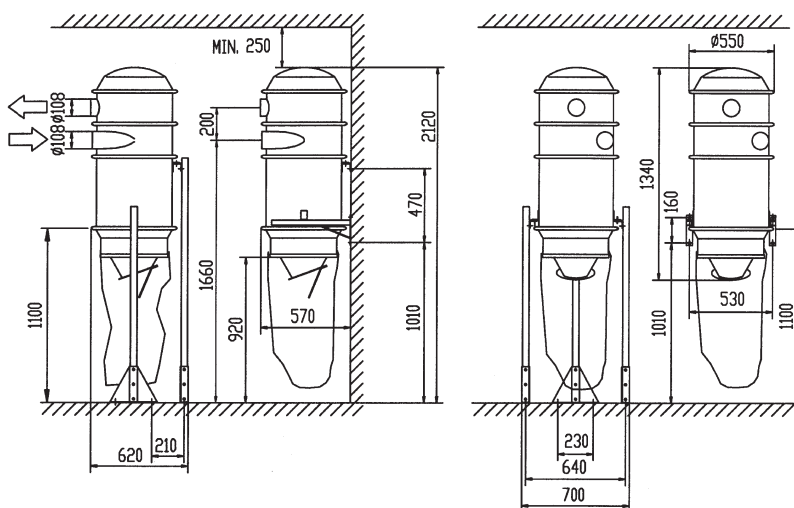
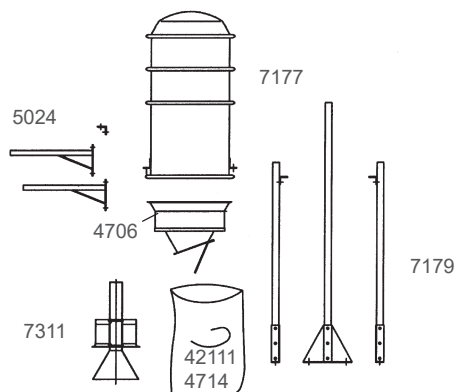


Accessories (Part No)

40407	Module Ring	44248	Adaption Kit Longopac Midi
40656	Steel Container, 40 l	7179	Floor Stand, complete
42111	Collection Bag, 50 pcs, antistat	7290	Widening Chassis
4714	Collection Bag, 50 pcs	7311	Vortex Tube
44077	Longopac Midi (1x25 m)		
46828	Longopac Holder Midi (MR1)		

Separation can be improved by equipping the pre-separator with a vortex tube and by increasing the height with an extra body module.

Dimensions, Installation examples F 11000



Stationary Pre-Separators

F 20000

The F 20000 and F 30000 are modular cyclone Pre-Separators for larger systems. The unit must be equipped with the appropriate inlet module and discharge arrangement, e.g.: discharge cone or alternative selection.

TECHNICAL DATA	F 20000
Weight [kg/lb]	120/264
Inlet Ø [mm/in]	optional
Outlet Ø [mm/in]	250/9.8
Flow [m³/h]	1000-4000
Body Ø [mm/in]	596/23.4

Part No Description

7185	F 20000
4706	Discharge Cone
4714	Collection Bag, 50 pcs
42111	Collection Bag, 50 pcs, antistatic
40655	Discharge Cone for container
40656	Steel Container, 40 l



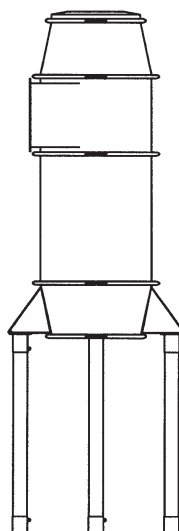
Pre-Separator F 20000



Accessories F 20000 (Part No)

7133	Inlet D = 160x1
7134	Inlet D = 250x1
7136	Inlet D = 76x3
7137	Inlet D = 110x2
7138	Inlet D = 110x3
7141	Inlet D = 160x2
7142	Inlet D = 160x3
42111	Collection Bag, 50 pcs, antistatic
4714	Collection Bag, 50 pcs
44077	Longopac Midi (1x25 m)
44248	Adaption Kit Longopac Midi
7189	Vortex Tube
7195	Widening Chassis
3004	Steel Tube 76 mm, galvanised

F 20000



44248



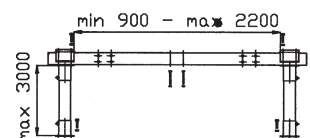
7189



3004



7195



42111
4714
44077



Containers

Go to page 71 to see all options for small containers. And if you have any requests go to our webpage:

<https://dustcontrol.com/product/containers/>

Stationary Pre-Separators

F 30000

The configuration of the Pre-Separator is easily tailored to the specific application. The unit must be equipped with the appropriate inlet module and discharge arrangement.

TECHNICAL DATA	F 30000
Weight [kg/lb]	ca 170/374.8
Inlet Ø [mm/in]	optional
Outlet Ø [mm/in]	Ø250/9.8
Flow [m³/h]	2000-5000
Body Ø [mm/in]	Ø1045/41

Part No Description

7166	F 30000
4706	Discharge Cone
4714	Collection Bag, 50 pcs
42111	Collection Bag, 50 pcs, antistatic
40655	Discharge Cone for container
40656	Steel Container, 40 l



Pre-Separator F 30000



Accessories F 30000 (Part No)

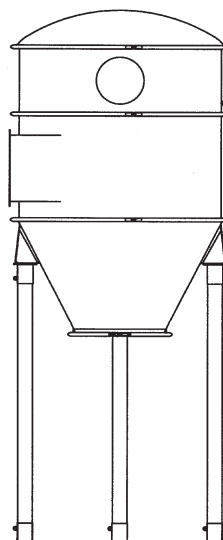
7133	Inlet D = 160x1
7134	Inlet D = 250x1
7136	Inlet D = 76x3
7137	Inlet D = 110x2
7138	Inlet D = 110x3
7141	Inlet D = 160x2
7142	Inlet D = 160x3
42111	Collection Bag, 50 pcs, antistatic
4714	Collection Bag, 50 pcs
44077	Longopac Midi (1x25 m)
46828	Longopac Holder Midi (MR1)
44248	Adaption Kit Longopac Midi
3004	Steel Tube 76 mm, galvanised
42111	Collection Bag, 50 pcs, antistatic
4612	Body Module
7195	Widening Chassis
40007	Inlet Wear Plate S 32/34000

Containers

Go to page 71 to see all options for small containers. And If you have any requests go to our webpage:

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F 30000



44248

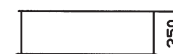


or discharge into a container

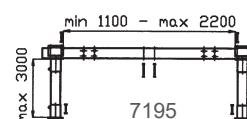
42111
4714
44077



4612



40007



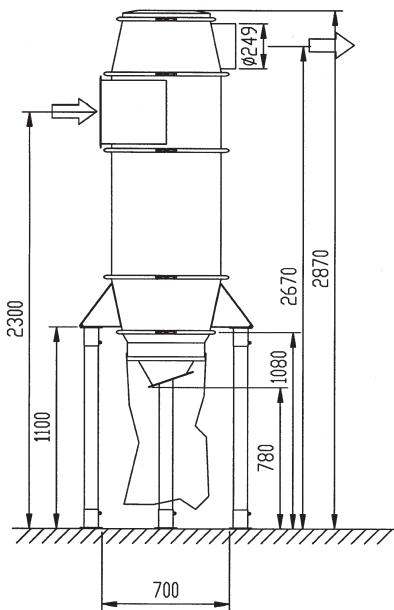
3004



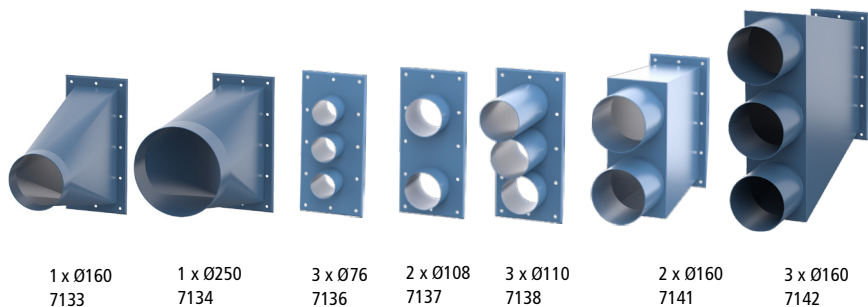
Staionary Pre-Separators

F 20000, F 30000

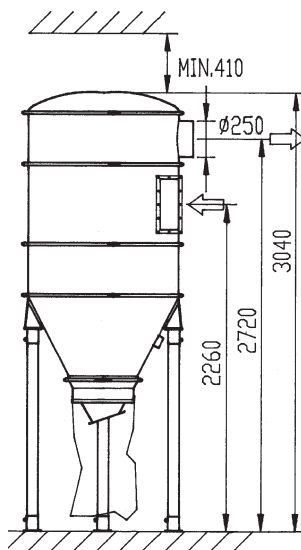
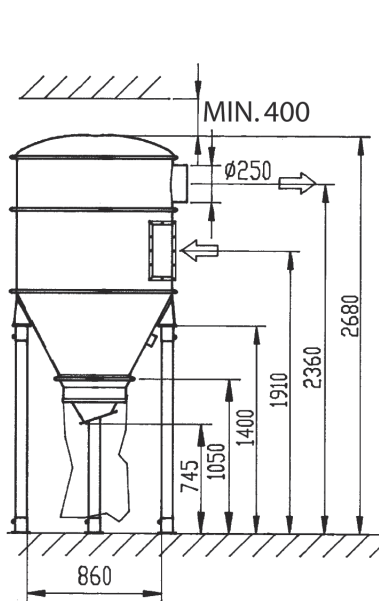
Dimensions, Installation examples F 20000



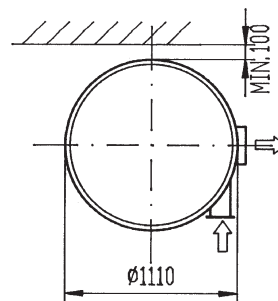
Inlet modules for F 20000 and F 30000 (Part No)



Dimensions, Installation examples F 30000



F 30000 with Part No 4706 Discharge Cone



F 30000 with Part No 4706 Discharge Cone and 4612 Body Module

Discharge Arrangements

F 8000, F 11000, F 20000, F 30000, S 11000, S 32000, S 34000, S 46000



Accessories (Part No)

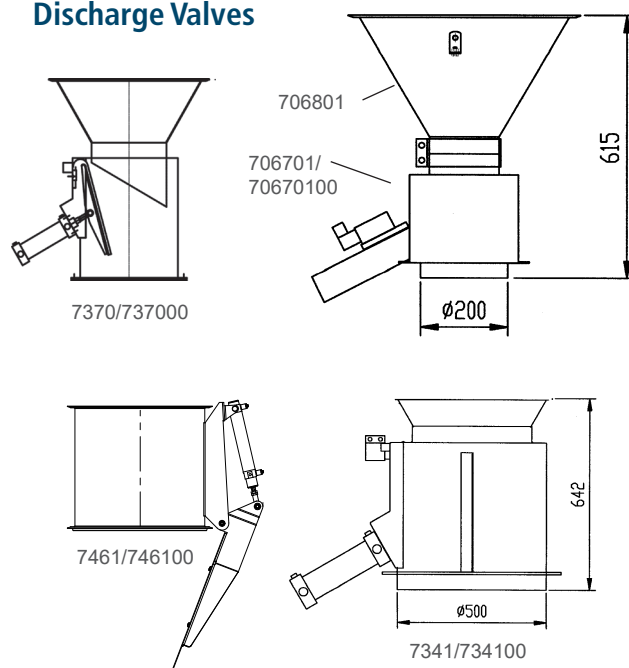
706801	Reduction Cone 400/160 mm
706701	Discharge Valve 160 mm - AC
70670100	Discharge Valve 160 mm - DC
7370	Discharge Valve 250 mm- AC
737000	Discharge Valve 250 mm- DC
7341	Discharge Valve 400 mm - AC
734100	Discharge Valve 400 mm - DC

The automatically controlled, pneumatically actuated discharge 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.

7461	Auto Foot Valve 470 mm - AC
746100	Auto Foot Valve 470 mm - DC
7462	Counter Balance Foot Valve 470 mm.
741401	Manually actuated Intermediate Assembly
7131	Counter Balance for Discharge Cone (Part No 4706)
743200	Pneumatically actuated Intermediate Assembly

Part No 743200 does not include the actuator, this must be determined during the control design and ordered separately.

Discharge Valves



Optional configurations

In certain applications, automatic discharge during operation can be achieved by using a peristaltic airlock. Collected material can be discharged into a big bag.



Discharge Arrangements

F 8000, F 11000, F 11000X, F 20000, F 30000, F 34000X, S 11000, S 32000, S 34000, S 46000

Peristaltic Airlock for Discharge of Dust from Filter Cyclone and Pre-Separator

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.



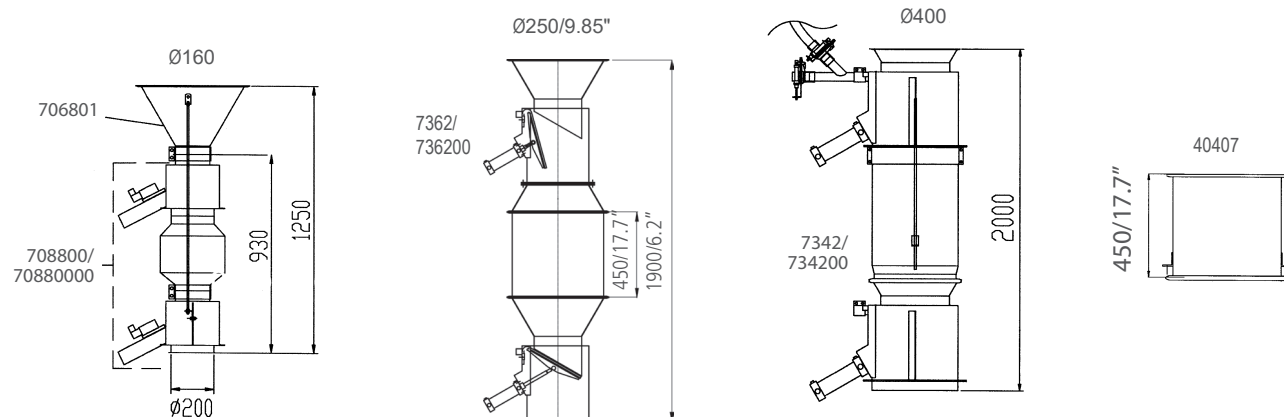
Accessories (Part No)

40407	Storage Module, V=140 l
706801	Reduction Cone, 400/160 mm
708800	Peristaltic Airlock, 160 mm - AC
7342	Peristaltic Airlock, 400 mm - AC
734200	Peristaltic Airlock, 400 mm - DC
7362	Peristaltic Airlock, 250 mm - AC
736200	Peristaltic Airlock, 250 mm - DC
70880000	Peristaltic Airlock, 160 mm - DC

TECHNICAL DATA	Ø160	Ø250	Ø400
Volume of receiver [l/gal]	12 /3.17	110/29	190/50
Air Consumption/cycle (5 bar/2.5 psi) [l/gal]	5/1.3	15/3.96	60/15.85
Solenoids 24 V DC [pcs]	2	4	4
Service interval [year]	1	1	1

(Single shift operation)

Dimensions, Installation examples with Peristaltic Airlock

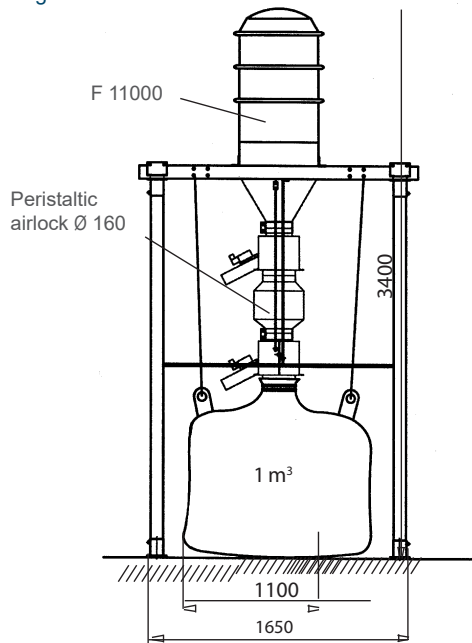


Discharge Arrangements

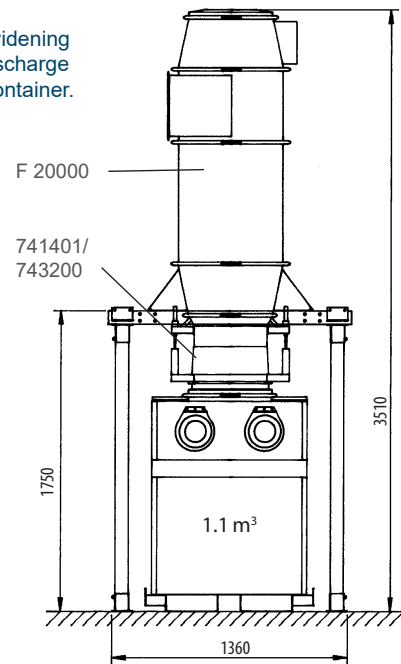
F 8000, F 11000, F 11000X, F 20000, F 30000, F 34000X, S 11000, S 32000, S 34000, S 46000

Dimensions, Installation examples for F 11000 and F 20000

F 11000 with widening chassis
into a Big Bag.



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



Output Solutions Pre-Separators

Discharge Arrangements

F 8000, F 11000, F 11000X, F 20000, F 30000, F 34000X, S 11000, S 32000, S 34000, S 46000

Auger Compactor

This arrangement is used for material that can be compacted, e.g. paper dust and strips. Collected material is compacted and discharged into a plastic collection bag. The drive motor control should be configured to reverse for several seconds to clear occasional clogs.

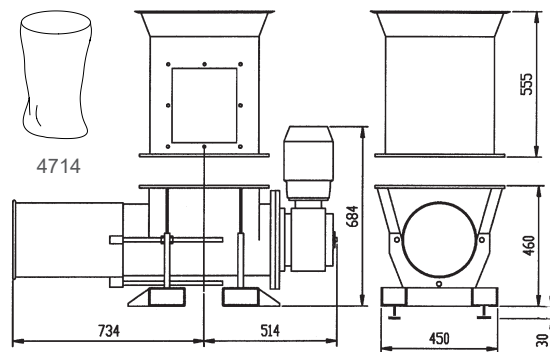
Part No Description

4714	Collection Bag, 50 pcs
7343	Auger Compactor Connection
7065	Auger Compactor

TECHNICAL DATA

Flange, outer [mm/in]	500x500/1102x1102
Inner [mm/in]	425x425/937x937
Weight [kg/lb]	218/481
Flow [m³/h]	2-5
Power [kW]	2.2
Voltage [V]	230/400
Negative pressure, max [kPa]	40
Service interval [h]	1500

(1st service 300 h)



Auger Compactor Connection, 7343



Output Solutions Pre-Separators & Filter Units

Containers for Filter Units and Pre-Separators

These containers will not allow any liquids or gas to go through. The steel collection containers are mounted directly under the cyclone by using Discharge Cones. Consider always the weight of the collected material and plan emptying of the container at suitable intervals.



TECHNICAL DATA

Model/Size	Part no	Volume Rec [liter]	Volume Max [liter]	Weight Max [kg]	Height Total [mm]	Hooks	Wheels	Outlet pressure equalization of bag	Bottom Cone Recommended
Container 30 S	45940	30	39	40	300	2	No	No	4749
Container 60 M	45941	60	69	40	520	2	No	No	4749
Container 60 M R	45942	60	94	60	730	2	Yes	G08 (1/4")	4749
Container 80 L R	45943	80	108	60	830	2	Yes	G08 (1/4")	4749
Container 100 XL R	45944	100	122	60	930	2	Yes	G08 (1/4")	4749
Container 30 S EX	45945	30	39	40	300	6	No	No	*
Container 60 M EX	45946	60	69	40	520	6	No	No	*

Bottom Cone (Part No)



4749

Model/Size	Part no	Volume Rec [liter]	Volume Max [liter]	Weight Max [kg]	Height Total [mm]	MR1**	MR1 EX ***	S 21000 EX***	S 34000 EX	Legs incl
Container Intellibin Complete	45313	60	65	30+/-5		x	x	x	x	
Accessories for Intellibin Complete:										
Discharge Module MR1	45304					x				
Bottom Module S 21000 EX	45306							x		x
Discharge Module MR1	45308									
S 11000 EX							x			
Bottom Module S 34000 EX	45512								x	x

Container Intellibin Complete



45313



45304



45306



45308

45512

New stop at rear edge

- * The EX containers will fit various EX cyclones.
- ** MR1 = Modul Ring 1, our standardized modular ring inter face with outer diameter 527 mm.
- *** The EX variants have an overpressure ring for attaching tie rods.

Collection Bags (Part No)



42111 Antistatic



4714 Bag

Containers



45940



45941



45942



45943



45944



45945



45946

Output Solutions Pre-Separators

Tipping Containers 0.6 m³, 1.1 m³, 2.5 m³

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

Tipping containers can be used as gravity separators by equipping the container with a divider plate and installing inlet/outlet connections on the container's rear wall. Inertial separation is particularly suited to the separation of larger quantities of coarse material.

The baffle, 7439, is installed internally in the container between the inlet and outlet. The containers are tip-dump style and should be handled with a forklift truck. These containers can be equipped with casters.



Tipping Container

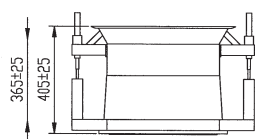
Part No Description

7196	Tipping Container, 0.6 m ³ /0.78 yd ³
7197	Tipping Container, 1.1 m ³ /1.44 yd ³
7198	Tipping Container, 2.5 m ³ /3.27 yd ³

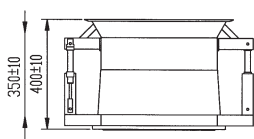


Accessories (Part No)

- 743200 Automatic Intermediate Connection
- 7433 Adapter 442/11000 Module
- 741401 Manual Intermediate Connection



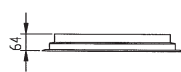
741401



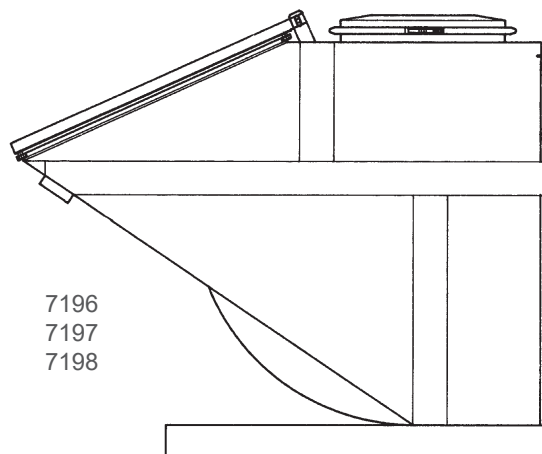
743200



7439



7433



7196
7197
7198

Output Solutions Pre-Separators

Tipping Containers 0.6 m³, 1.1 m³, 2.5 m³

TECHNICAL DATA	Collection [m ³ /yd ³]	Filling [m ³ /yd ³]	Volume [kg/lb]	Max- pressure [kPa]	A	B	C	E	F	G	H	J	K	L
7196	0.6/0.78	0.3/0.39	240/529	40	100	1076	X160	300	730	935	1180	200	1250	1590
7197	1.1/1.44	0.6/0.78	350/772	40	100	1096	X160	300	730	1050	1295	200	1550	1800
7198	2.5/3.27	1.3/1.7	570/1257	40	100	1276	X160	300	730	1225	1470	200	1550	2180

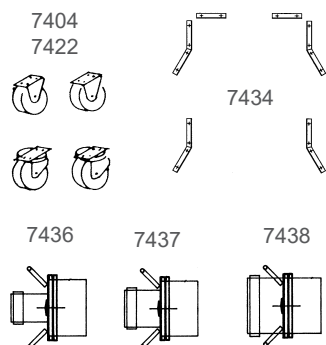


Accessories for Tipping Containers (Part No)

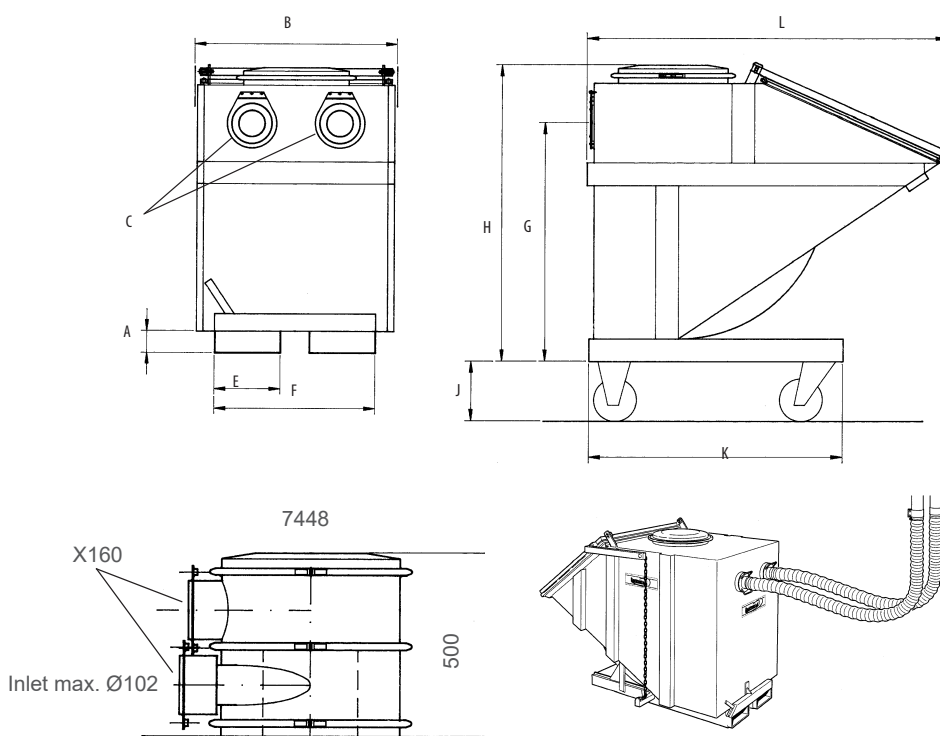
- 7448 Cyclone Top
- 7404 Caster Set (4 pcs)
- 7422 Caster Set (4 pcs)
- 7434 Container Guide Rails
- 7436 Hose Nipple, 76/X159
- 7437 Hose Nipple, 102/X159
- 7438 Hose Nipple, 152/X159

Accessories; bottom screen, drain cock and level sensing available by special order.

Accessories for Tipping Containers (Part No)



Dimensions, Installation examples Tipping Containers



When the container is configured as an inertial separator, two hoses are connected to the rear wall of the container. Material is separated with inertial action as air entering the container changes direction abruptly.

Recommended Air flow

[m ³ /h]	Connection Ø [mm/in]	Type [m ³]
250-500	76/3	0.6; 1.1; 2.5
400-900	102/4	1.1; 2.5
900-2000	152/6	2.5

Large Containers Customised Solutions

By installing inlet/outlet connections on larger containers (4-20 m³) an efficient gravity separator is achieved. Separation and containment of extracted waste directly in a closed container is a desirable handling method for a variety of reasons. Among these is that the system remains closed and that the handling of the waste can be done both rationally and economically.

These containers can also be used as discharge arrangements for cyclones – direct connection from the separator mounted over the container.

A vacuum waste container is an integral part of the extraction system and must be designed for the negative pressure.

Different regions and waste handlers will have different handling systems, the illustrations below show several different prevalent variations.

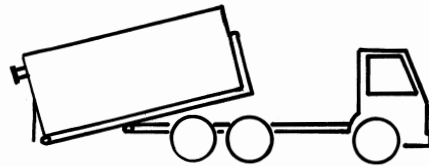
The exact type and dimensions of that type are often determined in cooperation with the contracted waste handler. Dustcontrol can build your bespoke container.

The following factors will have a bearing on the selection of container type:

- 1) Tipping cost.
- 2) Tipping in a truck or removal.
- 3) Distance to tipping site.
- 4) Density and weight of the separated material.
- 5) Permits required for dumping of collected material (degree of hazard classification).
- 6) Time for removal of container and the need for two containers.
- 7) Physical placement of the container, is it accessible for the handling truck?



Luger Lift

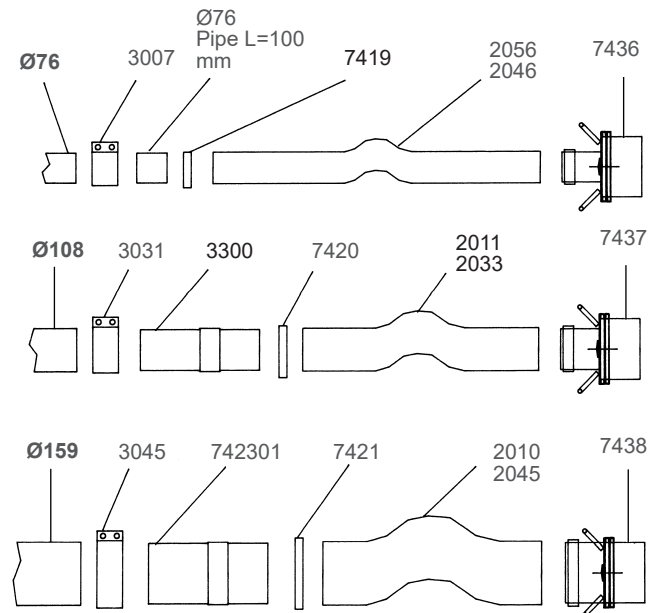


Roll Off Container



Accessories for Large Containers (Part No)

2010	Suction Hose Ø152, std
2011	Suction Hose Ø102, std
2033	Suction Hose Ø102 extra abrasion resistant
2045	Suction Hose Ø152 extra abrasion resistant
2046	Suction Hose Ø76 extra abrasion resistant
2056	Suction Hose Ø76 PU
3007	Joint Ø76
3031	Joint Ø108
3045	Joint Ø160
3300	Pipe fitting Ø108/102
7404	Wheel Set, 4 wheels
7419	HD Hose Clamp Ø76
7420	HD Hose Clamp Ø102
7421	HD Hose Clamp Ø160
7422	Wheel Set 2.5 m ³
742301	Pipe fitting Ø160/152
7436	Hose fitting Ø76/X160
7437	Hose fitting Ø102/X160
7438	Hose fitting Ø152/X160
7448	Cyclone Top



Optional accessories: Bottom grate, drain valve, tip sensor and level sensor, can be especially ordered.