

# Material Receivers

## Central Conveying Systems

**VISMEC**  
LEADING INNOVATION

All Vismec material receivers are constructed completely from stainless-steel with the option of a Pyrex glass insert. Each material receiver has a stainless-steel grid filter to separate the material from the air flow, which can be accessed through a hinged lid with open lock position for easy and quick cleaning.

Pneumatic cleaning of the filter after each cycle is an option. Due to the modular design the vacuum and material inlet can be positioned as needed all around 360°.

The material receivers have a standard 80mm discharge flap with external seal but for difficult flowing materials can be also supplied with a 150mm or a pneumatic butterfly valve. The flap can be easily accessed for cleaning through a side door with quick closure.

To avoid any kind of material contamination the vacuum break valve has a small air inlet filter and is mounted on the side to allow free movement of the receiver lid. The receiver material inlet has a stainless-steel flap which can also be supplied in a treated anti wear steel for use with abrasive materials.

All receivers have a small control panel with a two-line backlight display and large frontal functional LED lamp which connects straight to the FW 50 central control through the Vismec-Bus-System.



### Features

- Easy filter condition clean thanks to a completely independent lid.
- Completely flexible element orientation of 360° that guarantees a perfect installation.
- Possibility to reach the maximum temperature of 180°C.
- Grid filter, fabric filter and cartridge filter available depending on the customer's needs.

### Optional Extras

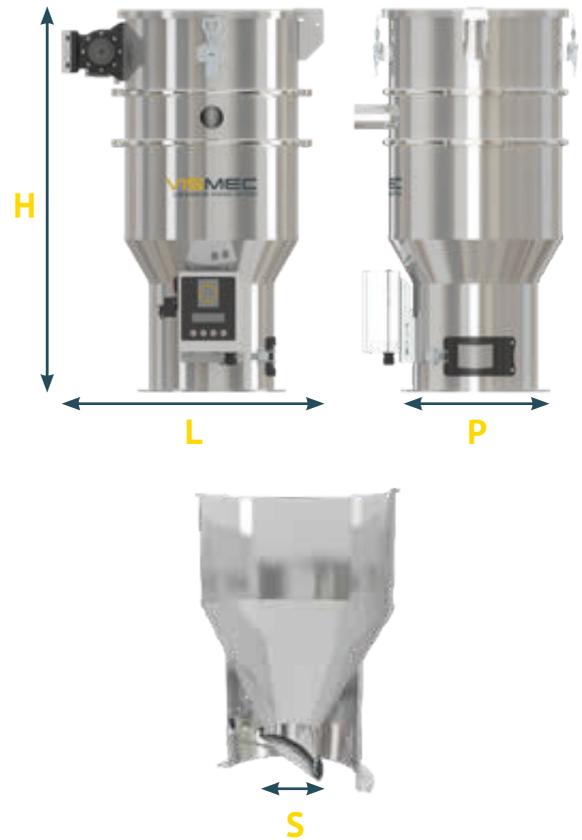
- Visual and acoustic alarm mounted on top of the receiver.
- Level sensor instead of the standard magnetic switch.
- High temperature seals.



# Material Receivers

## Technical Specifications

Code	Volume [t]	Ø [mm]	L [mm]	P [mm]	H [mm]	S [mm]	Flange [mm]
02739	2	30	375	225	445	Ø 60	4 x M6 Ø 185
02740	2	40	375	225	445	Ø 60	4 x M6 Ø 185
02741	4	30	375	225	560	Ø 60	4 x M6 Ø 185
02742	4	40	375	225	560	Ø 60	4 x M6 Ø 185
04538	6	40	383	355	524	Ø 100	4 x M6 Ø 280
04547	6	50	383	355	524	Ø 100	4 x M6 Ø 280
02745	6G	40	415	375	610	Ø 100	4 x M6 Ø 280
02746	6G	50	415	375	610	Ø 100	4 x M6 Ø 280
04549	10	50	383	355	604	Ø 100	4 x M6 Ø 280
02749	10G	40	415	375	750	Ø 100	4 x M6 Ø 280
02750	10G	50	415	375	750	Ø 100	4 x M6 Ø 280
04550	16	40	383	355	724	Ø 100	4 x M6 Ø 280
04551	16	50	383	355	724	Ø 100	4 x M6 Ø 280
02751	25	50	530	455	800	Ø 100	8 x M6 Ø 280
02752	25	60	530	455	800	Ø 100	8 x M6 Ø 280
02753	25	60	530	455	800	Ø 150	8 x M6 Ø 280
02754	25	70	530	455	865	Ø 150	8 x M6 Ø 280
02755	25	60	576	468	930	Ø 200	8 x M6 Ø 280
02756	25	70	594	468	995	Ø 200	8 x M6 Ø 280
02757	50	50	530	455	1055	Ø 100	8 x M6 Ø 280
02758	50	60	530	455	1055	Ø 100	8 x M6 Ø 280
02759	50	60	530	455	1055	Ø 150	8 x M6 Ø 280
02760	50	70	530	455	1120	Ø 150	8 x M6 Ø 280
02761	50	60	576	468	1205	Ø 200	8 x M6 Ø 280
02762	50	70	594	468	1270	Ø 200	8 x M6 Ø 280
02763	100	60	775	744	1166	Ø 300	8 x M6 Ø 400
02764	100	70	840	744	1230	Ø 300	8 x M6 Ø 400
02765	100	90	840	744	1230	Ø 300	8 x M6 Ø 400
02769	160	60	775	744	1376	Ø 300	8 x M6 Ø 400
02770	160	70	840	744	1440	Ø 300	8 x M6 Ø 400
02771	160	90	840	744	1440	Ø 300	8 x M6 Ø 400



Model	Type	Capacity [l]	Diameter [mm]	Discharge
VR2	Stainless Steel	2	30 / 40	Flap 60
VR4		4		
VR6		6	40 / 50	Flap 100
VR10		10		
VR16		16		
VR6G	Stainless Steel & Glass	6	40 / 50	Flap 100
VR10G		10		
VR25	Stainless Steel	25	50 / 60 / 70	Flap 100 or 150
VR50		50		
VR25	Stainless Steel	25	60 / 70	Pneumatic Butterfly Valve Ø 200
VR50		50		
VR100		100	60 / 70 / 90	Pneumatic Butterfly Valve Ø 300
VR160		160		

# Material Receivers

## Receiver Filter Types

### Grid Filter

The stainless-steel grid filter is standard in all Visibus and Quad central system material receivers. They are easily accessed through a hinged lid with open lock position and can be easily removed for cleaning. The Air Blast Filter cleaning is an option in case of very dusty materials. The dust is collected in central cyclone filters (DR Series) when using grid filters.

Receiver	Unit	2-4 L	6-10-16 L	25-50 L	100-160 L
Material		Stainless Steel			
Screen Diameter	mm	1.5			
Filtering Surface	m <sup>2</sup>	0.01	0.02	0.07	0.24
H Max	mm	375	420	530	840



### Fabric Filter

The fabric filter is the perfect solution for material which does not contain excessive dust and where the dust should not be separated and be used in production. The Air Blast Filter cleaning valves are a standard feature with all fabric filters. Smooth surface Teflon filters are also available.

Receiver	Unit	2-4 L	6-10-16 L	25-50 L	100-160 L
Material		Antistatic Polyester / Teflon			
Screen Diameter	μ	32			
Filtering Surface	m <sup>2</sup>	0.07	to be defined	0.16	to be defined
H Max	mm	672	to be defined	1337	to be defined
Air Blast Valves		1	1	3	3

### Cartridge Filter

The large size cartridge filters are the perfect solution for any dusty material in applications where the dust should be used and not separated. Material receivers with this filter are supplied as standard with automatic Air Blast Filter cleaning and for 25 to 160 L receivers with pneumatic butterfly discharge valve.

Receiver	Unit	2-4 L	6-10-16 L	25-50 L	100-160 L
Material		Antistatic Polymer			
Screen Diameter	μ	> 0.2			
Filtering Surface	m <sup>2</sup>	to be defined	to be defined	1.81	to be defined
H Max	mm	to be defined	to be defined	1517	to be defined
Air Blast Valves		1	1	1	1



# Material Receivers

## Receiver Discharge Types



### Standard Flap Discharge

All flaps are constructed in stainless steel with a counterweight and a seal on the discharge outside ring which ensures closure without vacuum loss. The seal is also available in a high temperature version (<math><120^{\circ}</math>). The signal for the conveying cycle comes from a magnetic sensor installed on the side of the receiver. The flap is inspectable through a side inspection door with quick opening.



### Large Flap Discharge

With difficult flowing materials, the large flap discharge is a perfect solution. The option is available for all 25 L and 50 L capacity receivers, and all models in stainless steel with standard or high temperature (<math><120^{\circ}</math>) seal and side door inspection. The signal for the conveying cycle comes from a magnetic sensor installed on the side of the receiver.



### Pneumatic Butterfly Valve

The discharge valve is a standard solution for all large receiver versions with 100L and 160L volume capacity. The valve type can be supplied as an option for very difficult flowing materials for receivers' versions with 25L and 50L volume capacity. The signal for the conveying cycle comes from a rotative sensor.

