

## Industrial dust extractor EP 2701 – EP 2702 – EP 2703

# EVOTEC



- Parts which coming in contact with the product are made from stainless steel (1.4301)
- Strong suction motors, suitable for permanent operation
- M-Filter cartridges with automatic filter cleaning
- Output of the suction matter in „endless“ plastic disposal bag – ESD or dirt container
- Suction connection 80 mm or 150 mm
- H-Cartridge filter H13/14 (optional)
- EX-protected und therefore suitable for the use according to ATEX in Zone 22 (optional)

### EP 2701 EP 2702 EP 2703

1, 2 or 3 Motors with  
1.100 Watt each  
230 or 400 Volt  
10.000 Pa max.  
450 – 1.360 m<sup>3</sup>/h

Available in types:



**Powerful central extraction plant with high airflow rate for collection and filtration of dry and hazardous dusts.**

Specially developed for the reliable suction and filtration of dusts which occur during miscellaneous work processes.

Critical fine dusts are aspirated and filtered reliably.

Pneumatic filter cleaning via SPS controller.

Volume flow stepless adjustable.

**1. level filter: dust class M**

M-filter cartridges or  
M-pocket filter

**2. level filter: dust class H**

Absolut cartridge filter (H13/H14)  
(Upgrade)

**Vacuum gauge** for filter  
monitoring

Optional: **Dirt container** or  
**Longopac-disposal system:**

„Endless“-plastic bags for easy  
and contamination-free disposal  
of the suction material.

Longopac-hopper with heavy-  
duty-lid **or** pneumatic actuated  
output for very light dusts.

ASSEMBLIES	EP 2701	EP 2702	EP 2703
<b>1. Power output</b> <u>Technical Details:</u>  Max. airflow rate Max. neg. pressure Protection type: Noise level Dimensions L x B x H (varies depending equipment) Weight: <b>Art-Number:</b>	<b>1 x 1.100 W</b> 230 V – 1 ~ or 400 V – 3 ~ (N-conductor required)  450 m³/h 10.000 Pa IP 54 If exhaust air connected 72 dB(A) 90 x 72 x 140-230 cm 125 <b>054-8001</b>	<b>2 x 1.100</b> 230 – 1 ~ or 400 – 3 ~ (N-conductor required)  910 10.000 IP 54 If exhaust air connected 74 dB(A) 90 x 72 x 140-230 cm 125 <b>054-8002</b>	<b>3 x 1.100</b> 230 – 1 ~ or 400 – 3 ~ (N-conductor required)  1.360 10.000 IP 54 If exhaust air connected 74 dB(A) 90 x 72 x 140-230 cm 125 <b>054-8003</b>
<b>2. Filter unit dust class M</b> „M“ – 3 cartridges á 2,2 m² (6,6 m²) „M“ – 1 cartridge (10,0 m²) „M“ – Pocket filter (4,1 m²)	-M3PF <b>054-8004</b> -M1PF <b>054-8005</b> -MTF <b>054-8006</b>	-M3PF <b>054-8004</b> -M1PF <b>054-8005</b> -MTF <b>054-8006</b>	-M3PF <b>054-8004</b> -M1PF <b>054-8005</b> -MTF <b>054-8006</b>
<b>3. Filter chamber suction connection</b> Suction inlet Ø 80 mm Suction inlet Ø 150 mm	-D80 <b>054-8009</b> (-D150 <b>054-8010</b> )	-D80 <b>054-8009</b> -D150 <b>054-8010</b>	-D150 <b>054-8010</b>
<b>4. Disposal system</b> Longopac-Endless bag with heavy duty lid Longopac-Endless bag with pneumatic actuated output 60 l Dirt container 100 l Dirt container Hopper with universal connection	-LPS <b>054-8011</b> -LPP <b>054-8015</b>  -60L <b>054-8012</b> -100L <b>054-8013</b> -TU <b>054-8014</b>	-LPS <b>054-8011</b> -LPP <b>054-8015</b>  -60L <b>054-8012</b> -100L <b>054-8013</b> -TU <b>054-8014</b>	-LPS <b>054-8011</b> -LPP <b>054-8015</b>  -60L <b>054-8012</b> -100L <b>054-8013</b> -TU <b>054-8014</b>
<b>UPGRADES</b> Dust class „H“-Filter cartridge, 4,3 m² Activated carbon cassette with fill 5,0 kg EX-protection acc. to ATEX Zone 22	-H <b>054-8007</b> -AK <b>054-8008</b> -EX <b>054-8042</b>	-H <b>054-8007</b> -AK <b>054-8008</b> -EX <b>054-8042</b>	-H <b>054-8007</b> -AK <b>054-8008</b> -EX <b>054-8042</b>

Dirt container with separator star



„Endless“-Bag



Exhaust air vent on top



## Explanation Details

### Example: EP 2702-M3PF-H-D80-LP

**Exhaust air vent** Ø 150 mm provides the opportunity to connect to a pursuing exhaust air system.

#### **Suction connection**

Ø 80 mm or Ø 150 mm for a secure connection of the suction hose or a pipe system.

**ATEX-design** – completely discharging for the use in Zone 22 (Upgrade).

**Configure your individual plant from the four assemblies:**

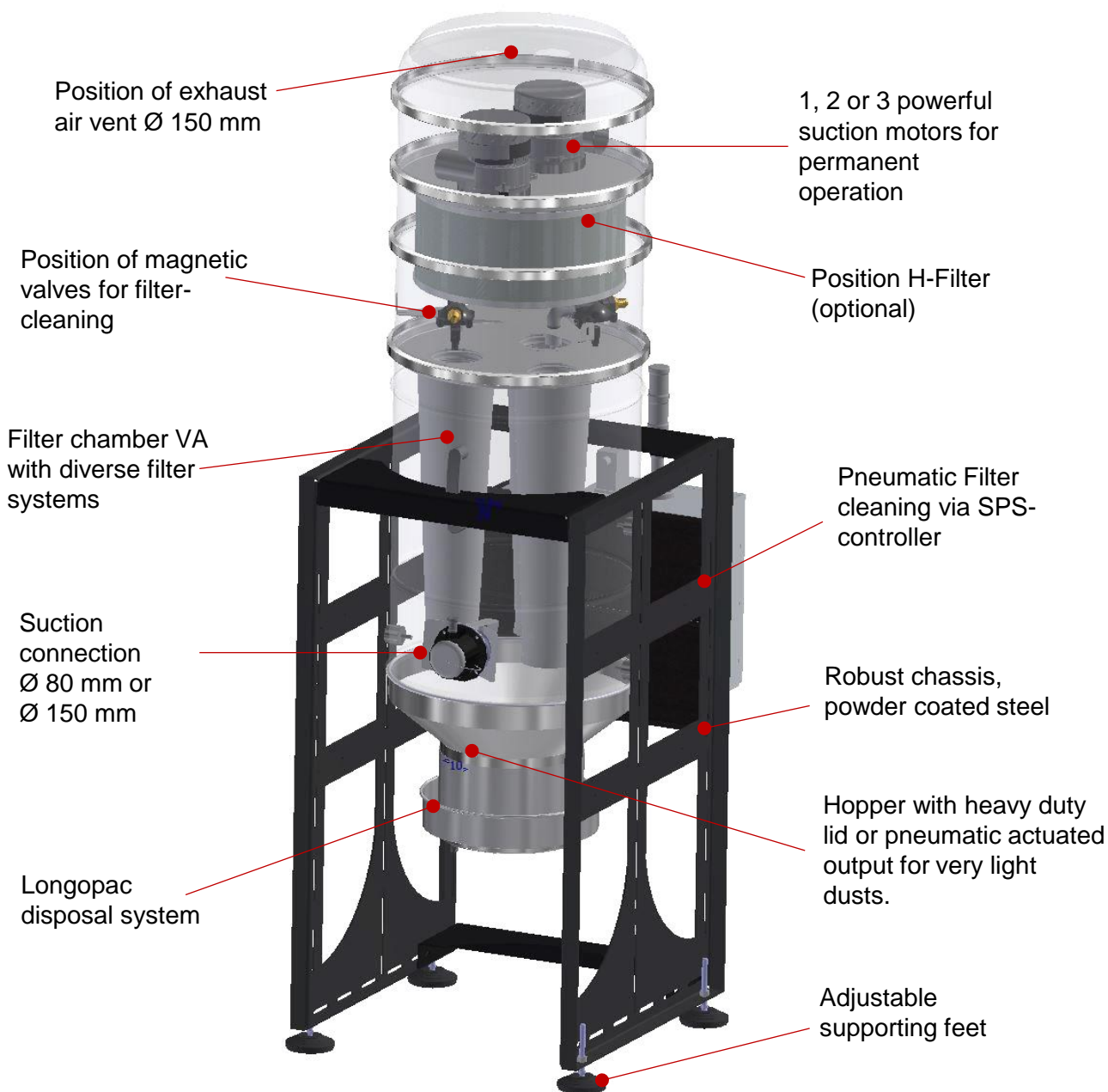
1. Power output
2. Filter components
3. Filter chamber with suction connection
4. Disposal system

#### **Made in Germany**


A quality guarantee of which we are proud!  
And of course ISO certified.



Example: EP 2702-M3PF-H-D150-60L






## Filter and options

Filter elements	
	<b>Filter cartridge – dust class M</b> for 3-cartridge filter-System Polyester fleece aluminium coated, conic, electrically conductive, Ø 160 mm, round thread Ø 100 mm L 50 mm L 500 mm / 2,2 m² <b>054-20165</b> Only with filter chamber Ø 150 mm (054-8010): L 600 mm / 2,2 m² <b>054-20169</b>
	<b>Filter cartridge – dust class M</b> for 3-cartridge filter-System Polyester fleece with PTFE membrane, conic, electrically conductive, Ø 160 mm, round thread Ø 100 mm L 50 mm L 500 mm / 2,2 m² <b>054-20166</b> Only with filter chamber Ø 150 mm (054-8010): L 600 mm / 2,2 m² <b>054-20170</b>
	<b>Filter cartridge – dust class M</b> for 3-cartridge filter-System Polyester fleece aluminium coated, cylindrical, electrically conductive, Ø 200 mm, round thread Ø 100 mm L 50 mm L 500 mm / 4,2 m² <b>054-20182</b> Only with filter chamber Ø 150 mm (054-8010): L 600 mm / 5,0 m² <b>054-20178</b>
	<b>PTFE Filter cartridge – dust class M</b> for 3-cartridge filter-System Polyester fleece with PTFE membrane, cylindrical, electrically conductive, Ø 200 mm, round thread Ø 100 mm L 50 mm L 500 mm / 4,2 m² <b>054-20183</b> Only with filter chamber Ø 150 mm (054-8010): L 600 mm / 5,0 m² <b>054-20179</b>

Filter elements	
	<b>Filter cartridge – dust class M</b> for 1-cartridge filter-System Polyester fleece aluminium coated, cylindrical, Length: 600 mm, electrically conductive Ø 328 mm, 10,0 m² <b>054-20110</b>
	<b>PTFE Filter cartridge – dust class M</b> for 1-cartridge filter-System Polyester fleece with PTFE membrane, cylindrical, Length: 600 mm, electrically conductive Ø 328 mm, 10,0 m² <b>054-20146</b>
	<b>Pocket filter – dust class M</b> 4,1 m² Filter surface, 20 pockets Material: PUR-Coating NOVATES 4,1 m² <b>054-20108</b>
	<b>Dust class H (H14) - Absolut-cartridge filter</b> Glass fibre, double sided support grid, Ø 500 mm as replacement for H-Upgrade 4,3 m² <b>054-20033</b>

## Technical Options

	<p><b>PreCoat dosing unit</b></p> <p>Dispenses a filter aid into the suction unit in defined cycles. The filters are coated with a "sacrificial layer". So they are protected against sticky adhesions, which otherwise can not be cleaned off from the filter</p> <p>The filter life is extended and the filtration result improved.</p> <p>Dosing unit controlled by compressed air inclusive 20-kg-container with ready for use EVOMIN-PreCoat-powder</p> <p><b>054-7500</b></p>
	<p><b>PreCoat EVOMIN replacement container</b></p> <p>Ready for use filled replacement container for PreCoat dosing unit, content 20 kg</p> <p><b>054-7501</b></p>
	<p><b>Alert unit</b></p> <p>For the optical display of alert- and fault messages</p> <p><b>054-8039</b></p>

## Filter, Spark protection and Pre-separators

	<p><b>Spark arrestor with wire mesh inlay</b></p> <p>prevents the suction of sparks into the vacuum cleaner.</p> <p>Diverse diameter for the integration in pipeline systems or suction hose</p> <p>Ø 80 mm                   <b>072-0628</b>          Ø 100 mm               <b>072-0629</b>          Ø 150 mm               <b>072-0630</b></p>
	<p><b>Pre-separator</b></p> <p>with mineral binding agent.</p> <p>Helpful when sucking up problematic, sticky</p> <p>For the connection to pipeline systems</p> <p>Ø 150mm</p> <p>Ø 120 mm               <b>053-4005</b>          Ø 150 mm               <b>053-4006</b></p>
	<p><b>Remote ON/OFF via cable (FSK)</b></p> <p>24 volts with power supply unit (potential free contact), output voltage 24 volts AC with interconnection point, motor protection relay, switch = 0/automatic/hand.</p> <p>If not in combination with FU, additional switch box is needed</p> <p><b>Without</b> switch box   <b>054-6931</b>  <b>With</b> switch box       <b>054-6932</b></p>
	<p><b>Remote ON/OFF via radio (FSF)</b></p> <p>With hand-held transmitter and receiver, operates up to 350 m distance.</p> <p>If not in combination with FU, additional switch box is needed.</p> <p><b>Without</b> switch box   054-6933  <b>With</b> switch box       054-6932          Handheld transmitter 054-60322</p>



## Dirt container Options



**Spare container or swap body, Ø 500**  
allows easy and fast disposal outside the  
operation site, with castor wheels

60 liters	<b>054-3210</b>
100 liters	<b>054-3220</b>

Matching lid with handle  
Ø 500 mm                    **054-20090**



### Plastic disposal bag, antistatic ESD

Packing unit = 10 pcs - for the dust-free disposal of dust particles in dust class M and H.  
Highly stable and "nail tested"  
Perfect fit due to round bottom

60-l-container	<b>235-1021</b>
100-l-container	<b>235-1031</b>



### Separator element for dirt container

Avoids the hovering of very light suction matter,  
incl. earthing cable

Suitable for dirt container Ø 500 mm.

for 60-l-Behälter **054-30121**  
for 100-l-Behälter **054-30122**



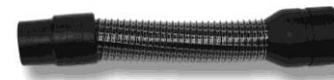
### Fill level monitor for dirt container

Capacitive sensor monitors the fill level of the dirt container.

The evaluation is done via SPS and needs to be adapted to the specific application. Processing of the signals in coordination with the customer.

universal                      **054-8040**                      on request

## Options



**Additional suction connection**  
for cleaning machines or the environment

Different designs possible:  
e.g. Fork at the pipe system with ball valve  
connection for 3,5 m suction hose Ø 50 mm  
including connection fittings

universal	on request
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### Machine cleaning kit

for the cleaning of production machines,  
complete antistatic

Bulk suction nozzle, inclined tube rubber nozzle, pointed rubber nozzle, Ø 50 mm

**052-1071**



### Industrial floor cleaning kit

for the cleaning of all floors, complete antistatic.  
Multi-part hand tube Ø 50 mm, metal revolving  
nozzle, brush strips, width 370 mm

**052-1041**



**Distribution plate Ø 150 mm**

Round plate with up to four welded connections,  
clamping ring and sealing ring

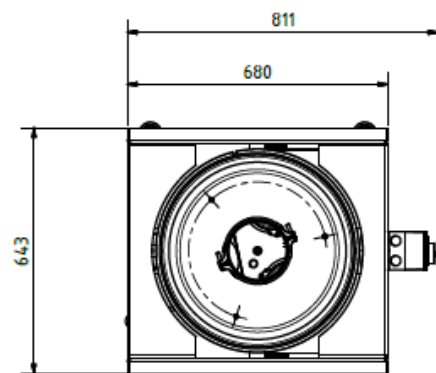
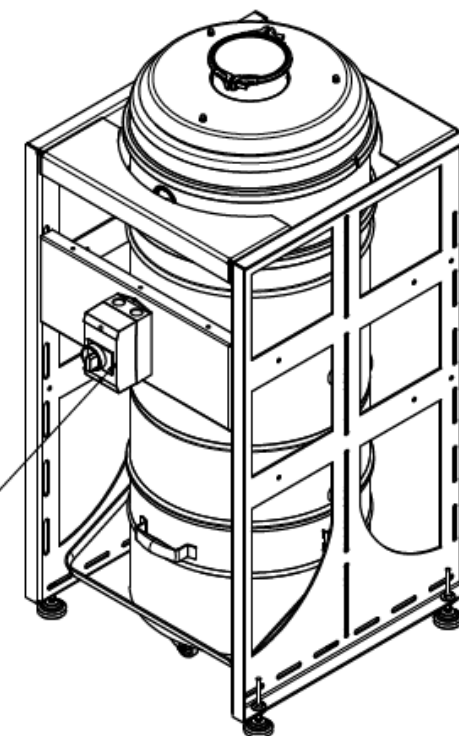
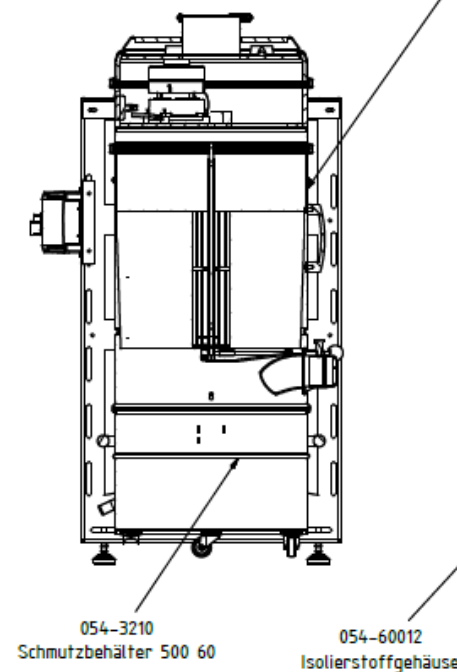
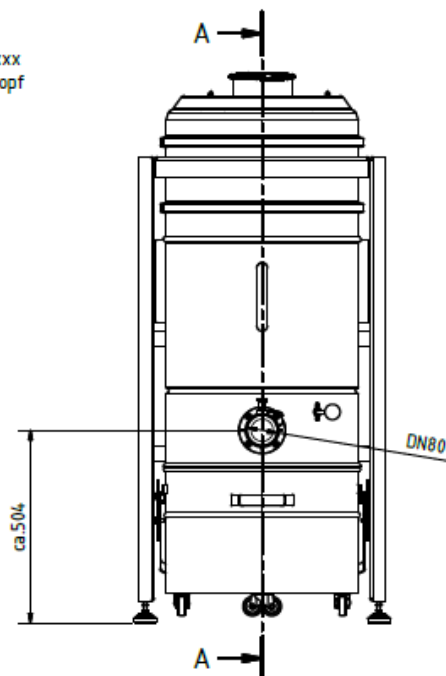
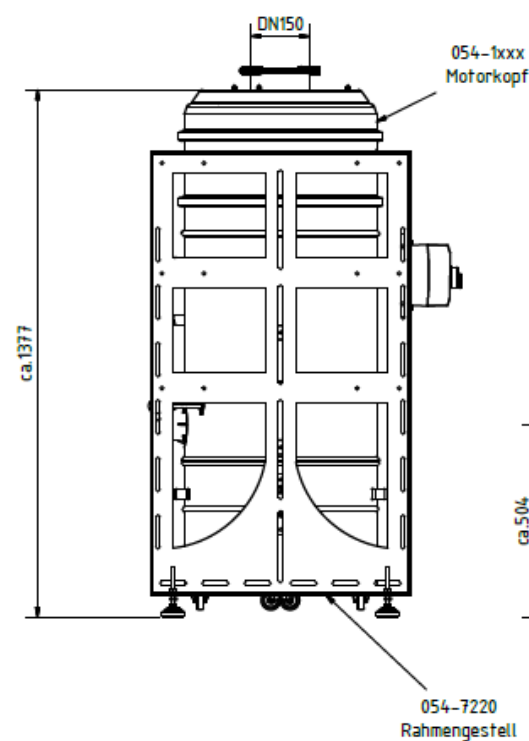
Diameter of the connections individual

054-8016 on request

### Example

A-A ( 1 : 10 )

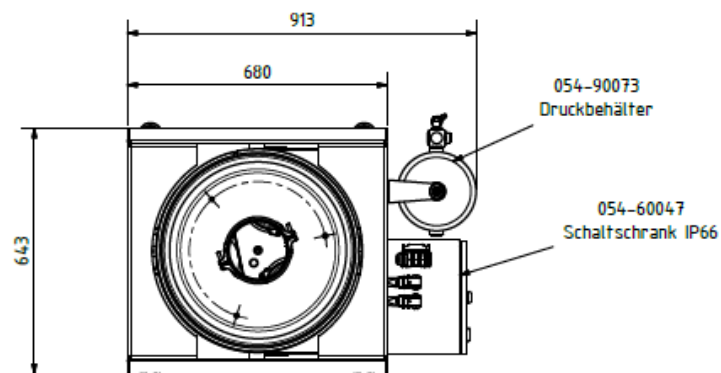
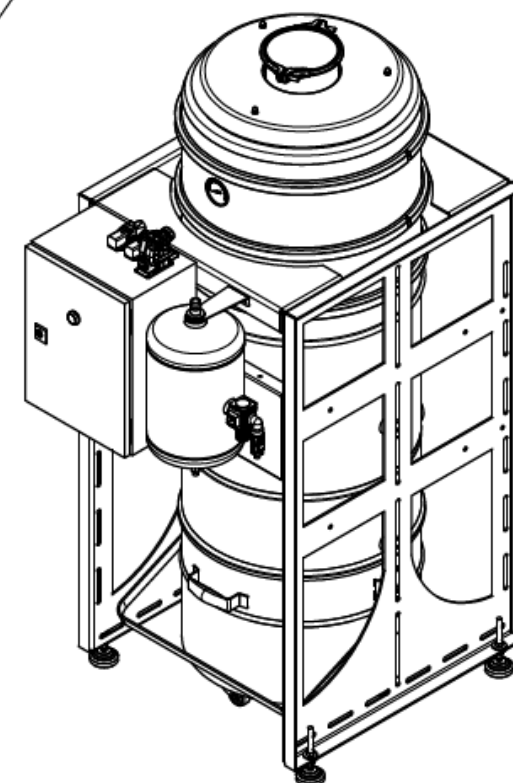
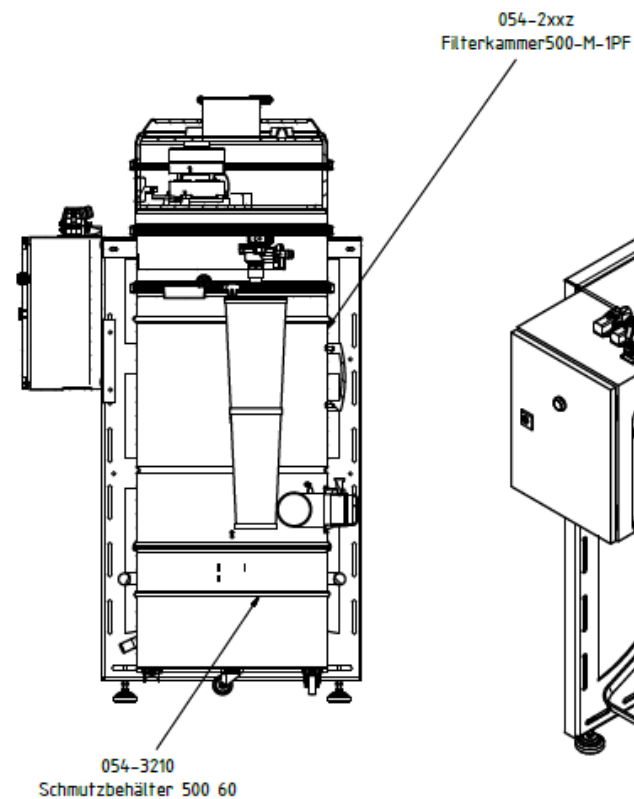
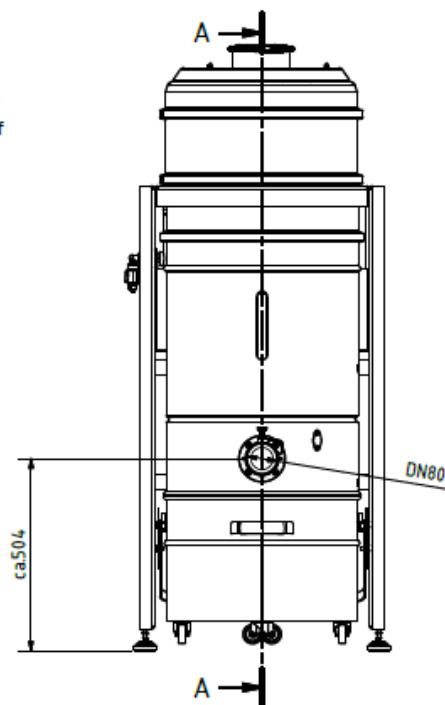
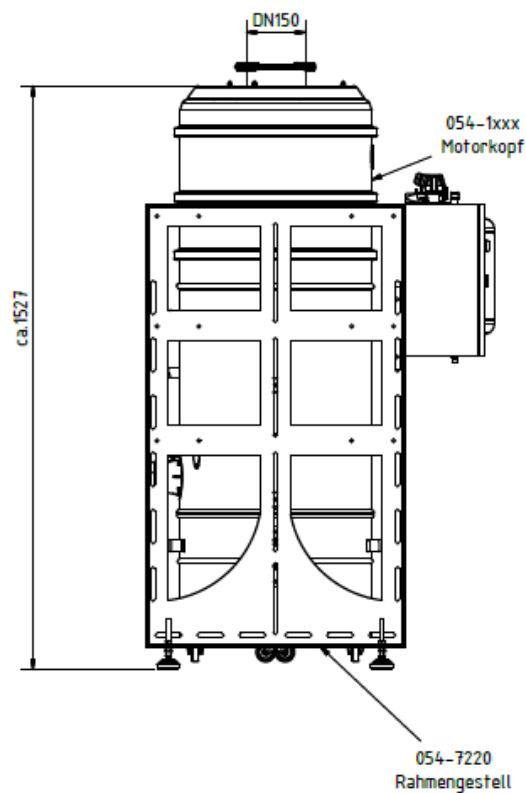
054-2210  
Filterkammer 500 "M"




**EP2701-MTF-D80-60L**

EVO PRODUCTS				M 1:10	
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		Geprüft	Elmer Nolden		
		Rev.			

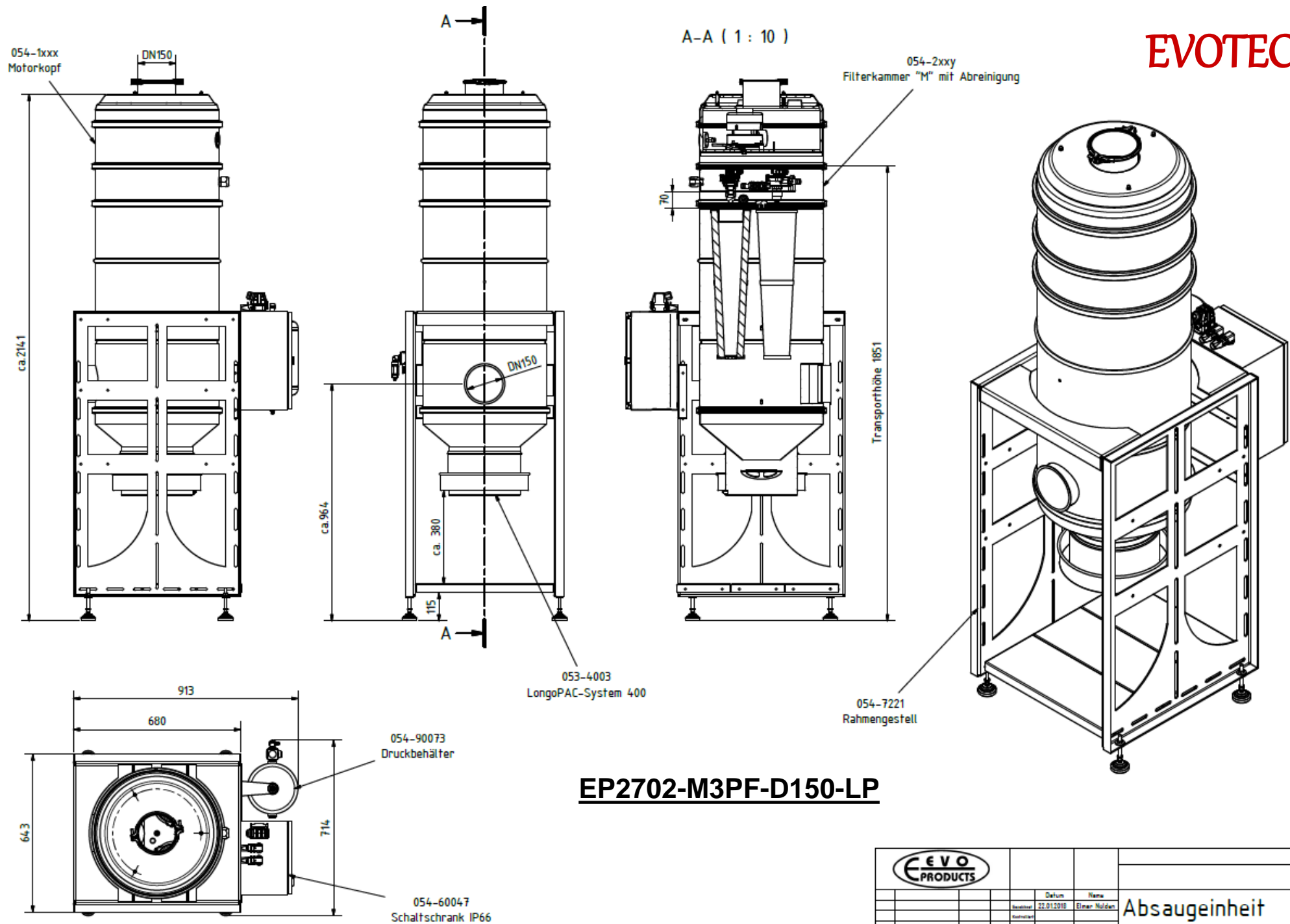
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**EP2701-M1PF-D80-60L**

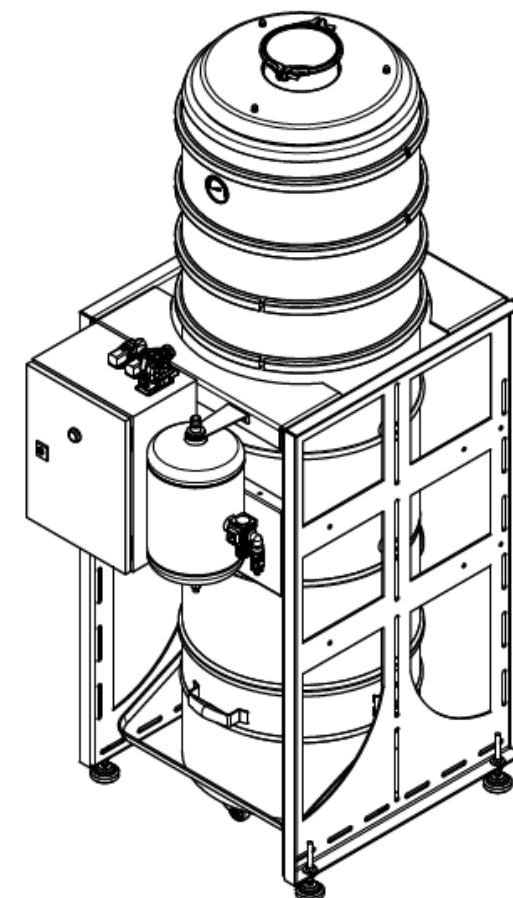
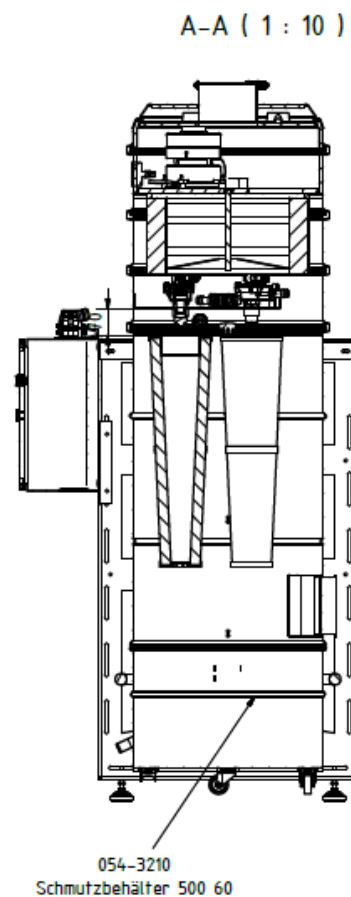
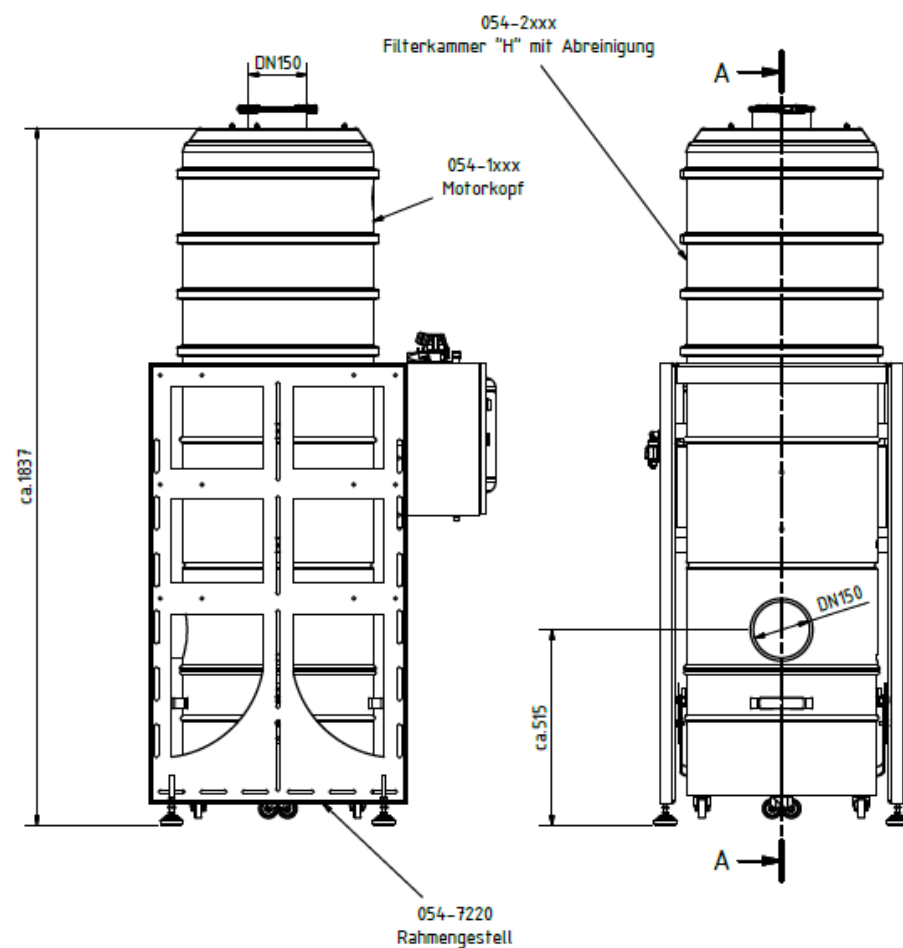
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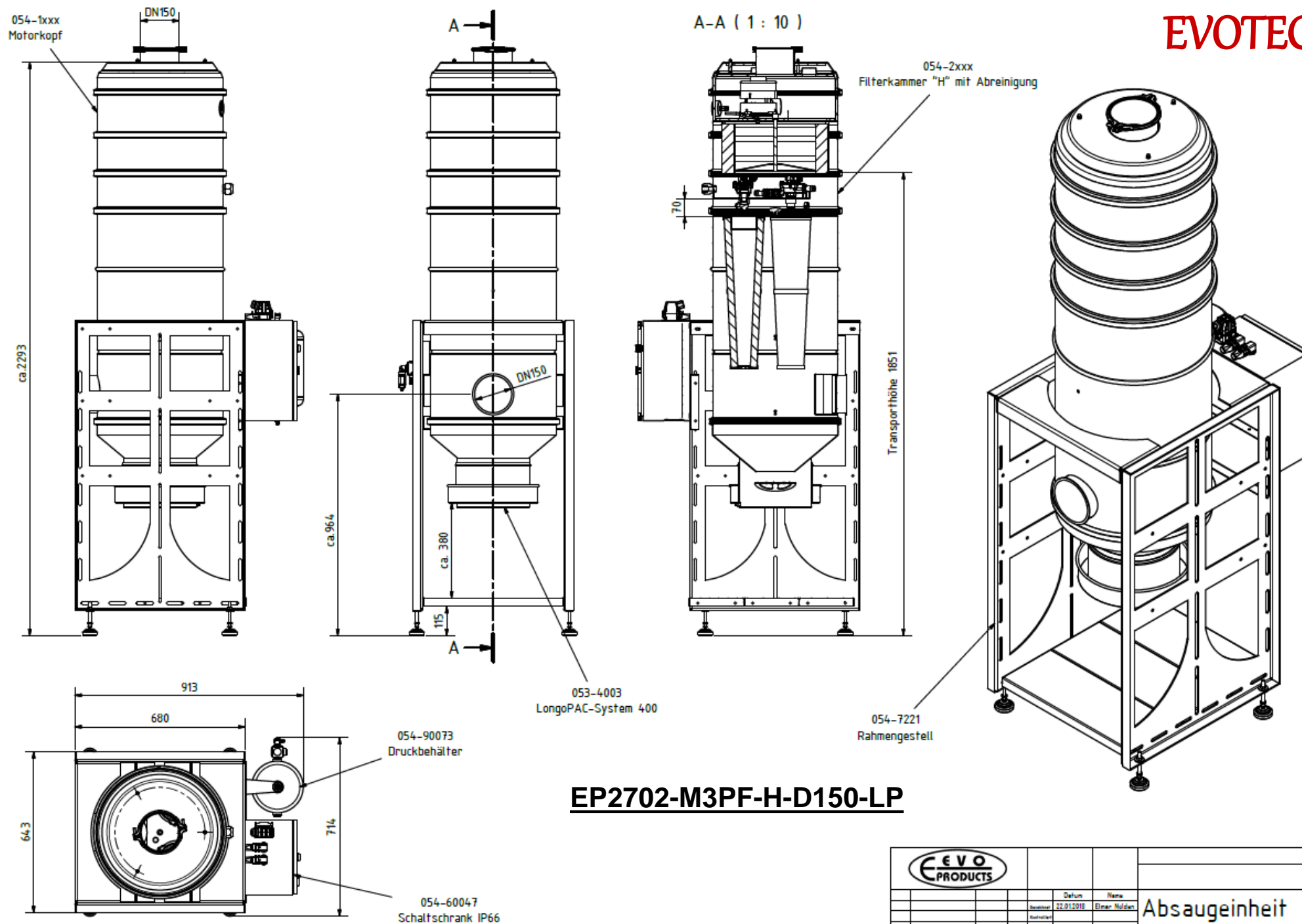
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**Absaugeinheit**  
EP2702-M3PF-D150-LP



## EP2702-M3PF-H-D150-60L

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		Bestellnr.	22.01.2018	Elmer Nolden	
		Rev.			
Absaugereinheit					
EP2702-M3PF-H-D150-60L					



						
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				Beschreibung	Elmer Nolden	
				Endverfah		
				Notiz		

# EVOTEC



## Your advantages:

- Top quality – professional manufacturing
- Heavy duty and long-living materials
- Convincing functionality and ergonomics
- Unexpected new solutions
- Flexible and economical in use
- Competence from more than 30 years
- High aspiration in design and operator convenience

