



## Vacuum lifting tube

ATEX - Application

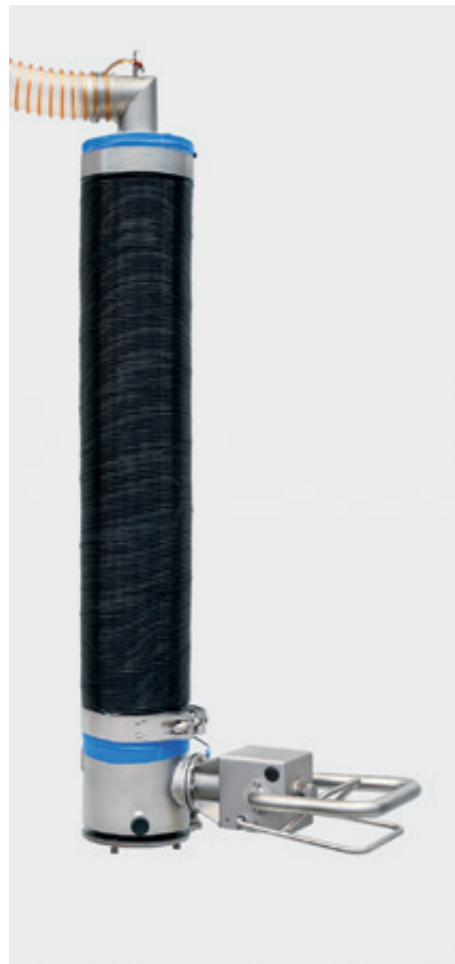
# Vacuum-Lifter ATEX

## Defintion

### Setup and application

The tube lifter series - ATEX is specially designed for handling loads in potentially explosive areas. All essential components are made of stainless steel and are electrically conductively connected. Vacuum supply tubes, pneumatic tubes and seals are made of antistatic material. In addition, a variety of other options are available to adapt the devices ideally to your needs and work processes.

- Use in Ex zones 2/22 and 1/21
- With electric or pneumatic vacuum generators
- Certified according to ATEX Directive 2014/34/EU
- Lifting tube made of conductive material and bare wire
- Antistatic design of tubes and seals
- For stacking, transferring and picking goods



**Lifting unit**  
Made of stainless steel with a conductive connected swivel head and suction head. The lifting tube itself is made of conductive material and has a bare inner spiral wire to discharge static charge.



**Vacuum blower**  
Special blower with ATEX motor for external protection for use in the zones.



**Vacuum ejector**  
Multistage ejector with cartridges made from special plastic and silencer for use in the zones.



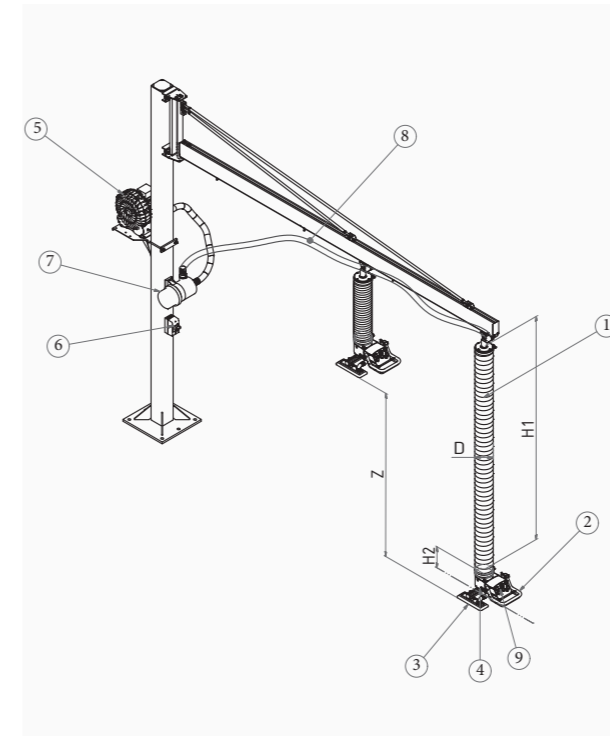
**Vacuum filter and antistatic tubes**  
Made of stainless steel with electrically connected filter insert and antistatic feed tubes, which are electrically conductively connected to the assembly units.



**Suction feet with antistatic seals**  
All suction feet available for the ATEX version have antistatic seals and are electrically conductively connected to the suction cup.

# Vacuum lifting tube ATEX

## Technical data



- 1 Lifting unit in stainless steel composed of swivel head, lifting tube and suction head. Electrically conductively connected and with antistatic coating
- 2 Control unit in stainless steel with operating handle and control handle functions like „lowering“, „lifting“ and „releasing“
- 3 Suction pad with antistatic seals
- 4 Accessories in stainless steel
- 5 Electric vacuum blower with ATEX motor or pneumatic Multi-stage ejectors
- 6 Motor protection switch in ATEX version or 2/2 manual valve for multistage ejector
- 7 Large-sized vacuum filter with exchangeable cartridge and internal electrically conductive connection
- 8 Feed tube in antistatic design, electrically conductive connected

Type	Load capacity dense/porous (kg)	Lifting speed (m/min)	Overall height H1 (mm)	Stroke Z (mm)	Diameter D (mm)	Vacuum generator	Voltage/Compressed air	Power/Air consumption	EX-Zone	Dead weight (kg)
VPL120	40/35	25-55	2.500/4.000	1.700/2.500	120	SV300/2-EX	400V3AC	3,0 kW	2/22	6-10
VPL120	40/35	25-55	2.500/4.000	1.700/2.500	120	FEMA-48	5 bar	50,4 m³/h	1/21	6-10
VPL140	50/40	30-60	2.500/4.000	1.700/2.500	140	SV300/2-EX	400V3AC	3,0 kW	2/22	8-12
VPL140	50/40	30-60	2.500/4.000	1.700/2.500	140	FEMA-48	5 bar	50,4 m³/h	1/21	8-12
VPL160	65/50	30-60	2.500/4.000	1.700/2.500	160	SV400/2-EX	400V3AC	4,0 kW	2/22	8-12
VPL160	65/50	30-60	2.500/4.000	1.700/2.500	160	FEMA-60	5 bar	63,2 m³/h	1/21	8-12
VPL180	85/65	30-60	2.500/4.000	1.700/2.500	180	SV400/2-EX	400V3AC	4,0 kW	2/22	12-16
VPL180	85/65	30-60	2.500/4.000	1.700/2.500	180	FEMA-60	5 bar	63,2 m³/h	1/21	12-16
VPL200	110/90	30-60	2.500/4.000	1.700/2.500	200	SV400/2-EX	400V3AC	4,0 kW	2/22	12-16
VPL200	110/90	30-60	2.500/4.000	1.700/2.500	200	FEMA-60	5 bar	63,2 m³/h	1/21	12-16
VPL230	140/120	30-60	2.500/4.000	1.700/2.500	230	SV400/2-EX	400V3AC	4,0 kW	2/22	14-20
VPL230	140/120	30-60	2.500/4.000	1.700/2.500	230	FEMA-60	5 bar	63,2 m³/h	1/21	14-20

Device marking in connection with	Dust	Gas
SV300/2, SV400/2	Ex II 3/3D Ex h IIIB T190 Dc/Dc	Ex II 3/3G Ex h IIB T3 Gc/Gc
FEMA 48, FMEA 60	Ex II 2/2D Ex h IIIC T85 Db/Db	EX II 2/2G Ex h IIC T6 Gb/Gb

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