

FREWITT 

HANDLING SOLUTIONS

PROFI-EXTRACT, PROFI-CLEAN, PROFI-LUN & PROFI-BANT



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CARE
ABOUT
MILLING

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HANDLING SOLUTIONS

Our handling solutions are engineered to optimize the safe, efficient, and precise management of fine and bulk powders across various industries.

SUITABLE FOR THE FOLLOWING INDUSTRIES:



Pharmaceutical



Battery



Chemical



Food

PROFI-EXTRACT 600 & 1200



ProFi-Extract is a fluidization system that effectively prevents bridge formation. Dust-proof discharge aided with three rotating blades or "swords" (with different shapes) gently maintains the product in constant movement (fluidization). This module provides good flow behavior and prevents bridge formation. The unit can be used to cover a system, to empty a drier or to discharge powder from a silo in order to achieve the desired powder flow behavior. Frewitt offers two ProFi-Extract models: the 600 and the 1200.

- **The ProFi-Extract 600** is a compact bridge breaker ideal for free-flowing or moderately cohesive powders.
- **The ProFi-Extract 1200** delivers significantly higher torque, making it suitable for dense, sticky, or highly cohesive products requiring greater force to maintain flow.

Both versions provide an efficient, dust-free solution to improve handling and ensure reliable powder discharge.

BRIEF OVERVIEW

- Contamination of the product is avoided thanks to the secure drive, bearing, and seal concept
- The ProFi-Extract is used in the pharmaceutical, chemical, battery and food products industries
- The bottom blades are adapted and aligned to the outlet pipe
- Delivery of heavy powder (bridging, sticking, settling)

EXECUTIONS



Standard

316/316L stainless steel construction



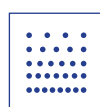
Optional

WIP

600: ATEX construction for zones 0/20

1200: ATEX construction for zones 1/21

MIE > 1mJ



Product density
600: up to 2 kg/dm³
1200: up to 2 kg/dm³



FDA
certified



ATEX



Rotor speed
600: 13 - 20 rpm
1200: 9 - 20 rpm

TECHNICAL CHARACTERISTICS



Dimensions & weight

Length	710 mm
Width	680 mm
Height	410 mm
Weight	120 kg



Materials

AISI 316/316L - Ra≤0.8 μm
Interior

AISI 304/304L - Ra≤1.4 μm
Exterior

In product contact, certified by FDA
EPDM/PTFE/Silicone



ProFi-Extract 600

ProFi-Extract 1200

TECHNICAL CHARACTERISTICS



Dimensions & weight

Length	1900 mm
Width	1400 mm
Height	430 mm
Weight	1200 kg

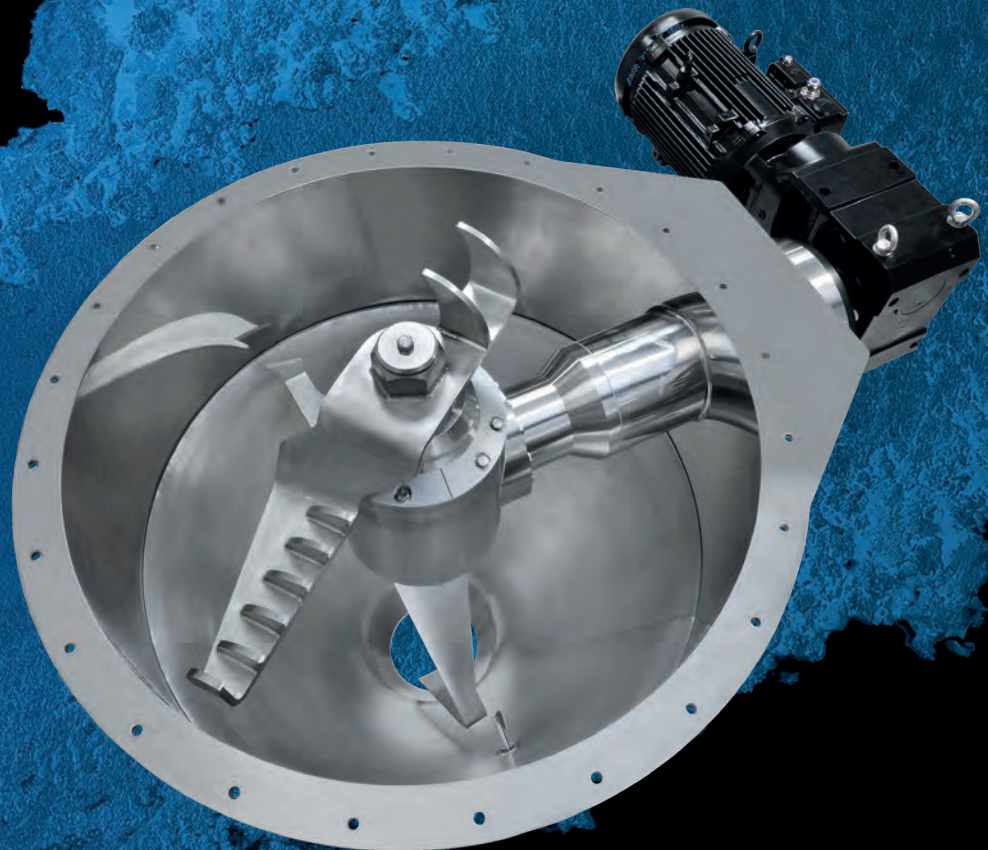


Materials

AISI 316/316L - Ra≤0.8 μm
Interior

AISI 304/304L - Ra≤1.4 μm
Exterior

In product contact, certified by FDA
EPDM/PTFE/Silicone



PROFI-CLEAN

90, 250 & 450

The ProFi-Clean 90, 250 and 450 are compact de-dusting and filtering devices with automatic blow-back systems. They allow the filtering and separation of powder particles in the extracted air which may occur during the grinding and filling process. The de-dusting filter is cleaned automatically by pressure impulses. This guarantees that the whole cartridge surface area remains clog-free and the powder is blown-back into the product. Offering a unique and compact construction, the stand-alone de-dusting filters are easily integrated in existing and new process plants.

ProFi-Clean 450

EXECUTIONS



Standard

Certified ATEX construction for zones 0/20

Filtration up to a H13 level, FDA certified



Optional

Interchangeable filters

TECHNICAL CHARACTERISTICS



Dimensions

Width	Ø450 mm
Height	2000 mm
Weight	160 kg



Materials

AISI 316/316L - Ra≤0.8 µm Interior

AISI 304/304L - Ra≤1.4 µm Exterior

In product contact, certified by FDA EPDM/
PTFE/Silicone



Specially engineered, Frewitt's compact cyclone filter ensures a process under very low pressure. The de-dusting filters are cleaned automatically by pressure impulses, guaranteeing that the whole cartridge surface area remains clog-free. The powder is then blown back into the final product, avoiding loss. There is also a Delta P measurement and an integrated vibrator.

The filter is mounted on a separate mobile trolley, this trolley allows the filter unit to be placed on the machine's lifting unit for easy dismantling.



ProFi-Clean 90

TECHNICAL CHARACTERISTICS

Dimensions

Width $\varnothing 90$ mm
Height 450 mm

Materials

AISI 316/316L - $Ra \leq 0.8 \mu\text{m}$
Interior

AISI 304/304L - $Ra \leq 1.4 \mu\text{m}$
Exterior

In product contact, certified by FDA
EPDM/PTFE/Silicone

EXECUTIONS

Standard

Filtration up to a H13 level, FDA certified

Optional

ATEX construction for zones 0/20

MIE > 1mJ

ProFi-Clean 250

EXECUTIONS

Standard

Filtration up to a H13 level, FDA certified

Optional

ATEX construction for zones 0/20

MIE > 1mJ

TECHNICAL CHARACTERISTICS

Dimensions

Width $\varnothing 250$ mm
Height 800 mm

Material

AISI 316/316L - $Ra \leq 0.8 \mu\text{m}$
Interior

AISI 304/304L - $Ra \leq 1.4 \mu\text{m}$
Exterior

In product contact, certified by FDA
EPDM/PTFE/Silicone



PROFI-BANT 200 & 300

The ProFi-Bant bag holding device is a pneumatically actuated connection element and it is used for the dust-proof filling of paper and polyethylene bags and for securely attaching Big Bag filling pipes. The inflatable radial gasket presses the container around its entire circumference tightly onto the filling pipe. The flexible container can be easily fit into the bag holder by lowering the ProFi-Bant.

BRIEF OVERVIEW

- The dust-proof connections prevent contamination of the product
- Operates independently of other power sources such as electricity (all that is needed is compressed air for the inflatable gasket)
- Suitable for filling paper and plastic bags as well as Big Bags Quick and easy cleaning
- Very broad spectrum of applications ranging from all kinds of dry to wet and heart-sensitive powders
- Versatile thanks to compact construction, easily integrated into existing process plants
- Low operating costs thanks to resistance to wear and maintenance friendliness



TECHNICAL CHARACTERISTICS



Dimensions

	200	300
Length	438 mm	545 mm
Width	274 mm	379 mm
Height	115 mm	115 mm
Weight	4 kg	4 kg



Material

AISI 316/316L - Ra≤0.8 µm
Interior

AISI 304/304L - Ra≤1.4 µm
Exterior

In product contact, certified by FDA
EPDM/PTFE/Silicone

EXECUTIONS



Optional

Certified ATEX construction for zones 1/21

MIE > 1mJ for a high level of production safety

PROFI-LUN 200 & 300



The ProFi-Lun bag holding device is a hand-actuated connection element for the dust-proof filling of containers, it is also used for securely attaching Big Bag filling pipes. This manually-operated connection device can also be used in areas where there is no additional power source such as compressed air or electricity.



BRIEF OVERVIEW

- Compact, space-saving, hygienic design
- Stainless steel construction, compliant with ATEX Directive 94/9/EG
- Designed for use in the pharmaceutical, chemical, battery and food product industries
- Very broad spectrum of applications ranging from all kinds of dry to wet and heat-sensitive powders
- Diverse usage ranging from stand-alone to in-line to integration in complete processing plants
- Low operating costs thanks to resistance to wear and maintenance friendliness

TECHNICAL CHARACTERISTICS



Dimensions

Length	495 mm
Width	307 mm
Height	115 mm
Weight	10 kg



Materials

AISI 316/316L - $R_a \leq 0.8 \mu\text{m}$
Interior

AISI 304/304L - $R_a \leq 1.4 \mu\text{m}$
Exterior

In product contact, certified by FDA
EPDM/PTFE/Silicone

EXECUTIONS



Optional

- Certified ATEX construction for zones 1/21
- MIE > 1mJ for a high level of production safety





WORLDWIDE PRESENCE



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