



Photo:
Gravity separator, type TXF-V 15500 with 70L bucket.

For processes with highly abrasive materials, the TXF pre-separator can be used to reduce wear and tear on the duct system and central filter.

The TXF pre-separator is designed as a gravity separator with wear-resistant Hardox impact plates on all wear surfaces in the inlet module. The separator ensures a high degree of separation via speed reduction in the vertical outlet chamber, which not only reduces material wear, but also ensures an increased service life for subsequent filter elements.

Description:

- Vertical inlet chamber lined with replaceable Hardox 450 plates
- Gravity separation in vertical separator chamber
- Dust collects in the dust drawer at the bottom of the system. Quicklock adjustable dust drawer system suspended in 400x400mm system flange.
- TXF for vacuum up to 5000Pa
- TXF-V for vacuum up to 40,000Pa

Gravity separator as a pre-separator for better filter performance

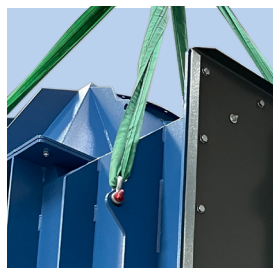
In processes such as sandblasting and shot blasting, where highly abrasive feed minerals are present, separation in cyclones and cyclone filters can be problematic, as material rotation in the separator will wear out the separator. For such processes, a gravity separator type TXF can be used before the filter system.

Coarse separation via a gravity separator reduces the load on the filter media, thereby reducing operating costs.

Furthermore, it allows heavier/larger particles to be separated for reuse or safe disposal.



Inlet and outlet located on top of the unit



Integrated lifting eyes for easy set-up with a crane.



Discharge into 70L or 148L bucket and rotary valve for big-bag



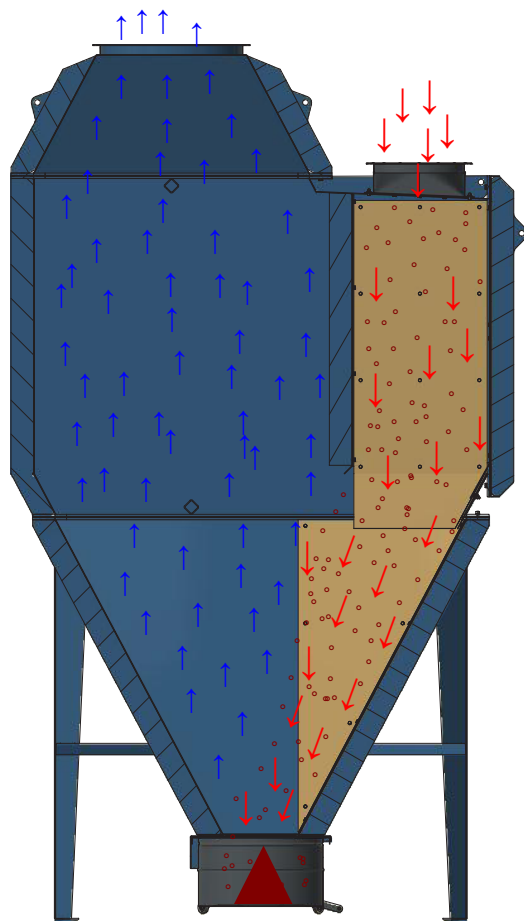
Front door for easy access to replace Hardox plates bolted to the inside of the raw air chamber

In addition, TXF can be supplied with:

- Version in hot-galvanized, enamelled steel plates for outdoor mounting
- Sack holder for 72L or 148L-dust container
- Underframe and connections for bulk bag and drop pipe for customer specific containers
- Underframe for bulk bag enlargement, shielded by door and micro-switch
- Temperature sensor type RT101 as well as alarm devices
- Fill-level sensor type OEM-K (monitors dust container filling (only for 72/150L))



Schematic diagram for flow through gravity separator type TXF:



Gravity separator type TXF (max. vacuum 5,000Pa):

Type	Item no.	Air volume at 35m/s [m³/h]	Air volume at 25m/s [m³/h]	Δ P [Pa]	Dust container (stand.) [L]	Dust container (option.) [L]	Weight
TXF 2500	04 785 000	2500	1800	1100	70	148	520
TXF 4000	04 785 010	4000	2700	1100	70	148	610
TXF 6000	04 785 020	6000	4300	1100	70	148	650
TXF 9500	04 785 030	9500	6900	1100	70	148	765
TXF 15500	04 785 040	15500	11000	1100	70	148	950

Gravity separator type TXF-V (max. vacuum 40,000Pa):

Type	Item no.	Air volume at 35m/s [m³/h]	Air volume at 25m/s [m³/h]	Δ P [Pa]	Dust container (stand.) [L]	Dust container (option.) [L]	Weight
TXF-V 2500	04 785 005	2500	1800	1100	70	148	595
TXF-V 4000	04 785 015	4000	2700	1100	70	148	700
TXF-V 6000	04 785 025	6000	4300	1100	70	148	750
TXF-V 9500	04 785 035	9500	6900	1100	70	148	1015
TXF-V 15500	04 785 045	15500	11000	1100	70	148	1350

Data is subject to alterations
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