

Centrifugal Separator



WTFZA-Centrifugal separator with flanged outlet pipe and bottom

WTFZA-Centrifugal separators are an economical combination of the assembly series WTEZA and WTDZA and are manufactured with a flanged outlet pipe, as well as a tripod and a hand-hole for inspecting the dirt chamber from type WTEZA080 onwards. This assembly series is available in four sizes ranging from 65 sq. m/h to 150 sq. m/h flow rate. By modifying the exchangeable outlet pipe the devices in this assembly series can easily be adjusted to different operating conditions such as flow rate and differential pressure. WTFZA-Centrifugal separators can be equipped with a simple ball-valve or automatic discharge device to remove the separated solid particles collected in the dirt chamber.

WTFZA-Centrifugal separator

Top-Seller

Technical data

Material:	Housings and installations
	WTZA-T: Stainless steel 1.4301
	WTZA-C: C-Steel, blue varnished
	O-Rings: Viton
In-/Outlet:	Size, Type: see table Dimensions
Drain:	Size, Type: see table Dimensions
Manometer:	See table: Dimensions
Pressure:	Max. 10 bar
Temperature:	Max. 95°C
Flow rate:	(See text: flow rate capacity)

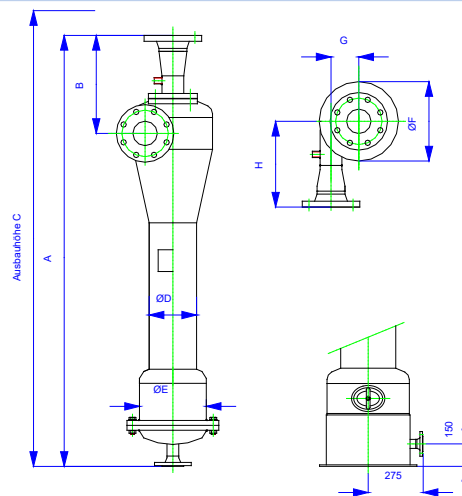
Applications

- Industrial washing plant
- Cooling circuits
- Steel manufacturing
- Deep-drilling system in mining
- Irrigation plants
- Manufacturing of optical lenses

Features and Benefits

- No moveable wearing parts
- No sieves or other filter material
- No stop of process
- No maintenance- or reverse wash-cycles
- Easy integration into already existing lines
- Periodical discharge of separated substances

Dimensions



Dimensions

Model	Flow (m³/h)	dp (bar)	p (bar)	Inlet/Outlet	Drain	A	B	C	D	E	F	G	H
WTFZA065	65	1.4	10	DN 100	DN 40	1760	400	2200	194	273	324	117	350
WTFZA080	80	1.4	10	DN 100	DN 40	1890	350	2300	219	355	355	133	375
WTFZA120	120	1.4	10	DN 125	DN 40	1950	375	2350	244	355	400	143	400
WTFZA150	150	1.4	10	DN 125	DN 40	2095	390	2550	244	355	400	143	400

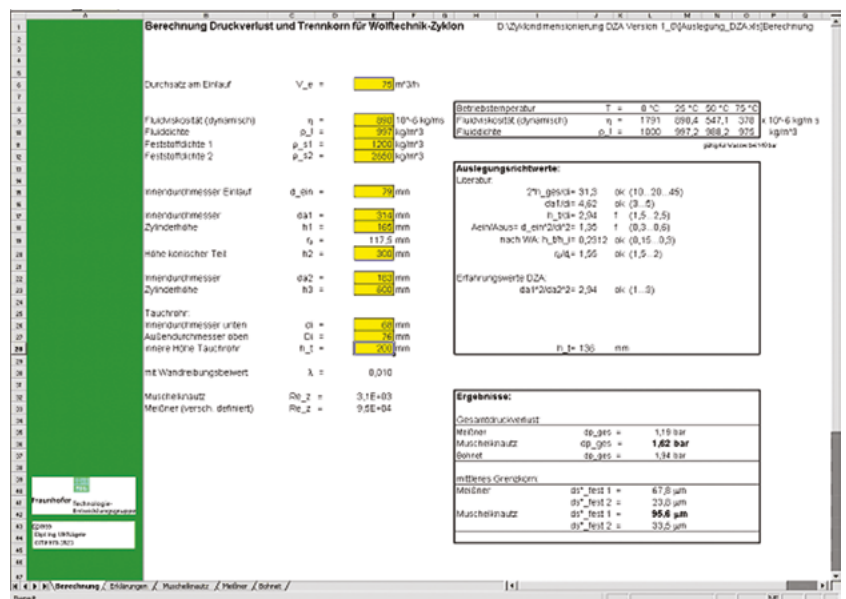
From type WTFZA080 onwards with tripod and hand-hole. The flange for the dirt chamber is omitted.
Material: Stainless steel 1.4301 stained and passivated or steel, varnished.

Flow rate capacity, differential pressure, efficiency

Depending on the flow rate capacity, the differential pressure and the efficiency change within the Wolftechnik centrifugal separators. To forecast these changes the Wolftechnik Filter-systeme have an evaluation program. This supports us in the construction of new equipment and makes it possible to customize solutions with precise data concerning the pressure loss which can be expected as well as regarding the attainable efficiency. Due to the variation of the flow rate capacity with otherwise constant conditions for the mathematical oper-

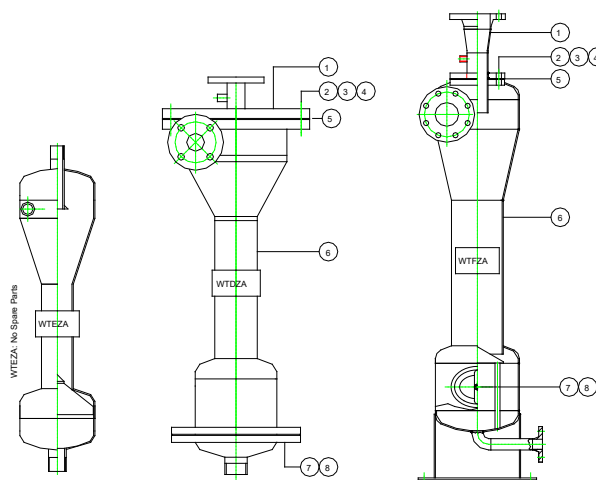
ation the interpretation program supplies the exact course of the curve of the differential pressure and the efficiency in accordance to the flow rate performance. This data can be made available on request in connection with

a proposition. Thus the effects can be considered and taken into account in conjunction with the installation of a centrifugal separator into existing systems and plants.





Spare parts



Spare parts

Pos.	Description	Material	Order designation	Order No.
1	Outlet pipe with flange	1.4571/St37	WTDZA-010-Deckel-T/-C	999994
			WTDZA-025-Deckel-T/-C	999994
			WTDZA-040-Deckel-T/-C	999994
			WTFZA-065-Deckel-T/-C	999994
			WTFZA-080-Deckel-T/-C	999994
			WTFZA-120-Deckel-T/-C	999994
			WTFZA-150-Deckel-T/-C	999994
2	Bolt M16x65	A2	WTZA-Schraube	999994
3	Hex nut M16	A2	WTZA-Mutter	999994
4	Washer	A2	WTZA-Scheibe	999994
5	Flange O-Ring	Viton	WTDZA-010-Deckeldichtung	999994
			WTDZA-025-Deckeldichtung	999994
			WTDZA-040-Deckeldichtung	999994
			WTFZA-065-Flanschdichtung	999994
			WTFZA-080-Flanschdichtung	999994
			WTFZA-120-Flanschdichtung	999994
			WTFZA-150-Flanschdichtung	999994
6	Body	1.4571/St37	-----	-----
7	Hand-hole fastening	1.4571/St37	WTZA-OAB51	999994
8	Hand-hole gasket	Viton	WTFZA-DIVIT-Handloch	008523

Order example

WTEZA	025	-	C	-	-
1	2		3		4

Order information

Pos	Designation
1	WTEZA = Wolftechnik centrifugal separator economy version, completely closed
	WTDZA = Wolftechnik centrifugal separator cover version, removable cover and floor
	WTFZA = Wolftechnik centrifugal separator flange version, flanged tube
2	WTEZA
	002 nominal flow rate capacity 2 m³/h
	005 nominal flow rate capacity 5 m³/h
	010 nominal flow rate capacity 10 m³/h
	025 nominal flow rate capacity 25 m³/h
	040 nominal flow rate capacity 40 m³/h
	WTDZA
	010 nominal flow rate capacity 10 m³/h
	025 nominal flow rate capacity 25 m³/h
	040 nominal flow rate capacity 40 m³/h
	WTFZA
	065 nominal flow rate capacity 65 m³/h
	080 nominal flow rate capacity 80 m³/h
	120 nominal flow rate capacity 120 m³/h
	150 nominal flow rate capacity 150 m³/h
3	C = Housing material C-steel, blue vanished
	T = Housing material stainless steel 1.4301, stained and passivated
4	- Additional Codes for custom made versions