



bomaksan®
INDUSTRIAL VENTILATION DEVICES



CYCLONE

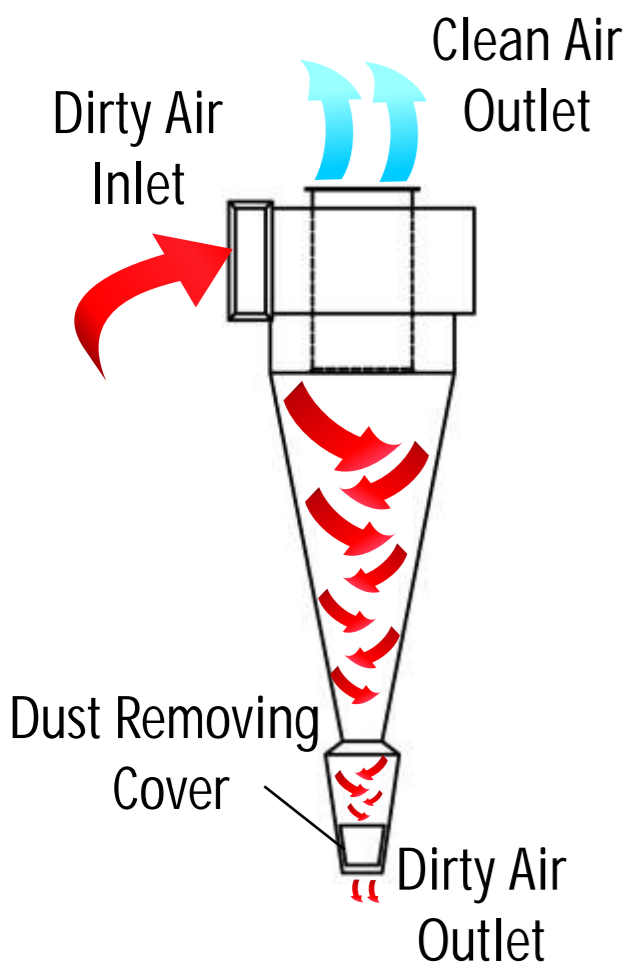




GENERAL FEATURES

- ▶ It is manufactured from 1000m³/h to 3000m³/h for holding particles up to 50 microns in industrial dust collecting systems.
- ▶ It also serves to increase the filter life when used before the cartridge filters. It may optionally perform continuous automatic removal owing to its rotary valve.
- ▶ Various capacity combinations may be obtained as well when connected in parallel.
- ▶ It is used in the cleaning of air and gases with high particle density.
- ▶ With optimum levels of pressure dissipation, it is used for detaching and collecting fine-grained materials.
- ▶ It provides highly efficient collecting.

OPERATING PRINCIPLE



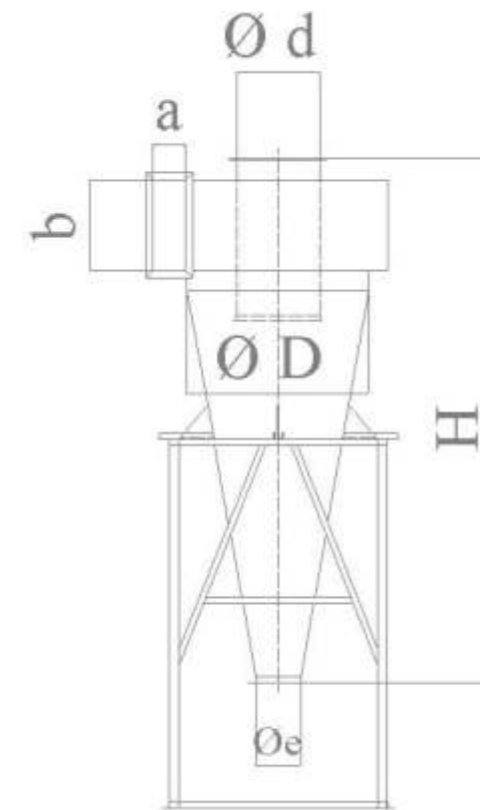
At the cyclone inlet, a helical flowing form is given by means of a cyclone construction to the dusty gas entering the cyclone tangentially with high speed and it is ensured that particles whose density is higher than the holder environment are directed to cyclone walls by the centrifugal force.

Particles losing their inertia due to abrupt speed change in the cyclone float through the cyclone wall and flow to the lower conical collecting bunker. The gas purified of the dusts as a result of this mechanism is released to outside from the upper part of the cyclone by means of an outlet pipe in the cyclone center. It is used in smoke gas washing and filtering systems in order to hold and detach the particles in smoke gases containing flying ashes and in air and similar gases that contain extreme amounts of particles.

Classical cyclones are specially designed and manufactured for each capacity and each type of gas.




TECHNICAL FEATURES



MODEL	ØD	INLET PORT		Ød	Øe	L	H	FLOW RATE (m ³ /h)
		a	b					
BS-7.5	1230	215	610	565	300	700	3500	7500
BS-8	1265	250	650	625	250	750	4070	8000
BS-10	1400	230	800	760	300	815	5200	10000
BS-16	1850	320	900	850	300	1050	5250	16000
BS-20	2040	360	1000	1000	400	1135	5800	20000



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