

CYCLONE AND MULTICYCLONE FILTER

HIGH
CAPACITY
HIGH
EFFICIENCY



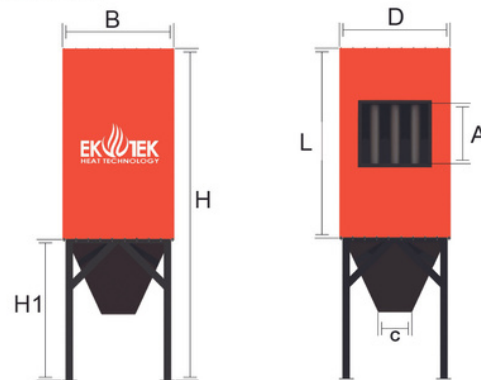
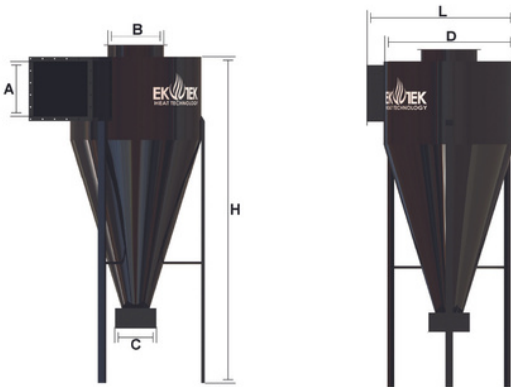
GENERAL INFORMATION AND MATERIAL QUALITY

- Our company is controlled and audited by EKOTEK, Brand registered and ISO 9001:2015 quality management system.
- Welding processes are carried out by certified welders in accordance with approved WPS and WPQRs.
- The products used in production are all certified materials.
- Our products are manufactured according to EN288, EN287-1 using S 235 JR quality sheet metal.
- The dusty gas entering the cyclone tangentially at high speed from the cyclone inlet is given a helical flow form by means of the cyclone construction, allowing the particles with higher density than the carrier medium to be directed to the cyclone walls by centrifugal force.
- Particles that lose their inertia due to the sudden speed change in the cyclone flow through the cyclone wall and flow into the lower conical collection bunker. As a result of this mechanism, the gas, which has been purified from the dust it contains, is given out from the upper part of the cyclone through the outlet pipe in the center of the cyclone.
- It can be manufactured from S 235 JR quality material or Cr-Ni stainless material in various thicknesses depending on the abrasive feature of the dust particle.

- It is generally used to hold ash and soot formed as a result of the combustion of solid fuels, especially lignite coal, in fuel boilers.
- It is used in flue gas washing and filtering systems for the purpose of keeping and separating the particles in the flue ash and soot containing flue gases.
- Thanks to the cyclone filter design made according to the characteristic features of the dust particles to be separated, the filter efficiency of the cyclones is maximized and an effective filtering process is achieved.
- Cyclone filter design is made by considering various parameters such as the density of the dust particle to be filtered and the particle size.

% 100 SAFE , USER-FRIENDLY

- Classic cyclones are specially designed and manufactured for any capacity and any type of gas.
- In the cyclone filters, the solid phase dust particles that come to the cyclone by being dragged in the air flow are separated from the air by the effect of the centrifugal force created in the cyclone filter and filtered. It has an average of 80% dust retention compared to the particles that may come out of the chimney, according to the fuel used, boiler temperature, and the variations according to the ambient conditions, compared to the chimneys without cyclone filter.
- Our cyclone filter productions can be optionally used in all kinds of boilers.



MODEL	CAPACITY	Dimensions							APPROXIMATE WEIGHT
		BİRİM	ØMM	A	B	C	D	H	
EKO CYCLONE 50	500	170	160	175	500	900	250	75	
EKO CYCLONE 62,5	625	200	170	175	625	1150	250	90	
EKO CYCLONE 72	720	200	220	200	720	1350	250	105	
EKO CYCLONE 84	840	250	280	200	840	1500	350	130	
EKO CYCLONE 100	1000	300	325	250	1000	1600	350	160	
EKO CYCLONE 115	1150	400	400	250	1150	1700	350	185	
EKO CYCLONE 125	1250	500	500	300	1250	1850	400	200	
EKO CYCLONE 150	1500	600	625	300	1500	1975	400	230	
EKO CYCLONE 175	1750	750	750	500	1750	2400	500	375	
EKO CYCLONE 200	2000	1000	1000	600	2000	2750	500	460	
EKO CYCLONE 240	2400	1200	1200	750	2400	3250	500	610	

EKOTEK HEAT TECHNOLOGIES HAVE THE RIGHT TO MAKE CHANGES IN STANDARDS, DESIGNS, VS, DIMENSIONS, WEIGHTS AND MODELS WITHOUT NOTICE.

MODEL	CAPACITY	Dimensions								APPROXIMATE WEIGHT
		BİRİM	ØMM	A	B	C	D	H	H1	
EKO MULTICYCLONE 1	500	500	1000	350	1000	1500	500	1000	130	
EKO MULTICYCLONE 2	750	750	1750	350	1250	2000	750	1250	285	
EKO MULTICYCLONE 3	1000	1000	2350	500	1500	2500	1000	1500	350	
EKO MULTICYCLONE 4	1250	1250	2750	500	1500	3000	1250	1750	575	
EKO MULTICYCLONE 5	1500	1500	3250	500	1750	3500	1500	2000	650	
EKO MULTICYCLONE 6	2000	2000	3500	600	2250	4000	2000	2000	750	
EKO MULTICYCLONE 7	2500	2500	3500	600	3000	4500	2250	2250	950	

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