



## CYCLONE DUST COLLECTOR

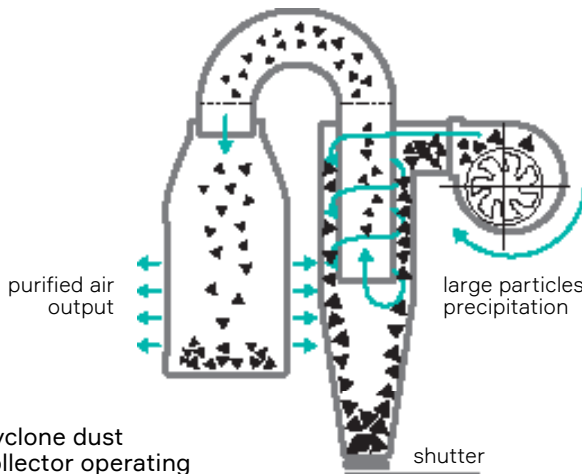
The cyclone dust collector is designed to create an air flow that captures the duct fraction of the material crushed and settles it in a cyclone and bag filter.

The primary components of the product are a fan, cyclone with shutter, frame and bag filter. The support structure has wheels equipped with brakes for moving the dust collector.

The dust collector has an adjustable exhaust hood for use as a local exhaust unit. The exhaust hood can be used as an air intake in both the loading zone and discharging zone.



Cyclone dust collector



Cyclone dust collector operating scheme

### CHARACTERISTICS

	DUST COLLECTOR	DUST COLLECTOR WITH HOOD
Applications	DRC 200x125, HM 2x2, HM 5x2, HM 5x5, JC 6M, JC 10M, JC 15, CM 250	Maximum equipment height 1700 mm
Type of fan	VTs 14-46	
Rotational speed, rpm	3000	
Electric motor power (kW)	1,5	
Air flow rate (thousand m <sup>3</sup> /hour)	400...600	
Connected hose diameter (mm)	70, 200	200
Head (Pa)	1200	
50 Hz supply voltage (V)	380	
Overall dimensions (Length x Width x Height)	1335x485x1855	1605x1245x2085
Weight (kg)	103	123
Bag filter material	Ozon-16 filter fabric, spunbond	



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### ADVANTAGES

- Cleaning the dust fraction larger than 15  $\mu\text{m}$  from the air flow;
- Periodic discharging of material from the cyclone through a gate;
- Connection of the **dust collector** to two types of hose:
  - $\varnothing 70$  for **DRC 200x125**, **HM 2x2**, **JC 6M**, **JC 10M** and **JC 15**;
  - $\varnothing 200$  for **HM 5x2**, **HM 5x5** and **CM 250**;
- Connection of the **dust collector** to several units of equipment via T-joints;
- Use of the **dust collector** with hood as a local exhaust;
- Pneumatic classification of material into two fractions: fine in bag filter and coarse in the cyclone;
- The **dust collector** is a closed-loop device: all of the purified air is returned to the room.



**Cyclone dust collector with hood and Jaw crusher JC 10**



**Hammer mill HM 5x2 with Cyclone dust collector**



**Cutting mill CM 250 with Cyclone dust collector**