

Cyclone separator.

MGXE



Outstanding separating efficiency. High operating reliability.



Cyclone separator MGXE. Optimal separating efficiency with high air-to-solids ratios.

Application.

The MGXE cyclone is a compact centrifugal separator combining optimal separating efficiency with high air-to-solids ratios and a minimum space requirement.

Mode of operation.

The material-laden conveying air is directed tangentially into the separating chamber. The air-solids mix flowing into the chamber is thereby deflected, causing it to spin. As a result, the material particles are carried toward the outside and slide down the wall. The conveying air separated from the material rises up the core of the cyclone, leaving the cyclone through the dip pipe and flowing into the air collection line. Thanks to the streamlined geometry applied, the areas without any air flow and where material can settle are minimized.

Design.

MGXE cyclones are offered in mild and in stainless steel versions. For applications involving abrasive products, the thick-walled version must be applied.

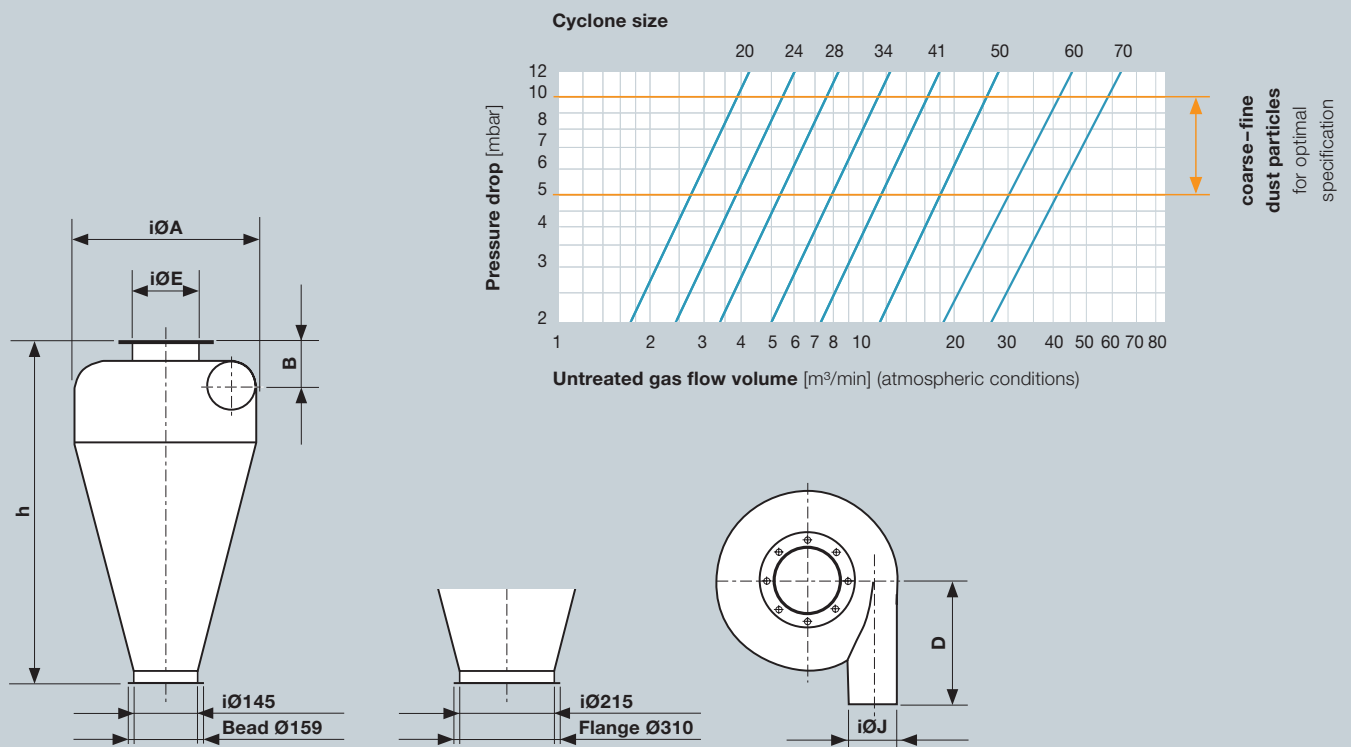
Determine the cyclone size on the basis of the diagram for a given air volume in m³/min so that the pressure drop across the cyclone comes to lie between 5 and 10 mbar.

Benefits.

- Outstanding separating efficiency
- Top sanitation
- Minimum space requirement
- Easy installation

Compact cyclone separator.

Easy installation.



Technical data.

Model MGXE	Dimensions in mm						Approx. weights in kg			Volume Sea packing m³
	iØA	B	D	h	iØE	iØJ	Standard version	Reinforced version	Stainless version	
20	200	81.5	200	800	65	58.9	7	–	7	0.11
24	240	87.5	220	800	80	70.9	9	–	9	0.13
28 ¹	280	93.5	240	800	100	83.1	11	24	11	0.16
34 ¹	340	100	260	800	120	95.8	13	29	13	0.21
41 ¹	410	106.0	290	800	150	107.9 ²	15	33	15	0.27
41 ¹	410	118.2	290	800	150	132.5 ²	15	33	15	0.27
50 ¹	500	118.2	330	800	180	132.5 ²	18	40	18	0.37
50 ¹	500	132.1	330	800	180	160.3	18	40	18	0.37
60 ¹	600	144.3	400	1350	250	184.7 ²	43	95	43	0.9
70 ¹	700	157	450	1350	300	210.1 ²	50	111	50	1.2

¹ Also available as iØ215 version

² Slight deviations with the stainless version

