C.T.S. - Comminution Technology Systems Srl

Milan - ITALY

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CLASSIFIERS W

FOR FINE AND EXTRA-FINE PARTICLES CLASSIFICATION

Selection values from 1000 microns to 5 microns. Working: air/gas pressure/negative pressure.

Load types:

-Mechanical "WM" SERIE (gravity by elevator)

-Pneumatic "WP" SERIE (by dispersion in the process fluid)

APPLICATION SECTORS

ceramic industry
chemistry,
energy (coal),
mineral industry,
paint industry,
refractory

MODEL W	FEED MATERIAL CAPACITY* Kg/h	AIR CAPACITY* m3/h	POWER* kW
2	15-30	180	0.55-1.1
4	120-200	700	2.2-5.5
6	200-400	2200	3-15
8	400-800	3000	4-18.5
10	800-1600	5000	4-18.5
12	1600-3200	8000	5.5-22
14	3200-6400	10000	5.5-22
16	6400-12800	12000	7.5-11
18	12800-18000	18000	11-22
20	18000-24000	26000	22-45
22	24000-36000	30000	22-45
24	35000-40000	40000	30-55
26	40000-50000	50000	45-75
28	50000-60000	60000	45-90
30	60000-80000	70000	55-110

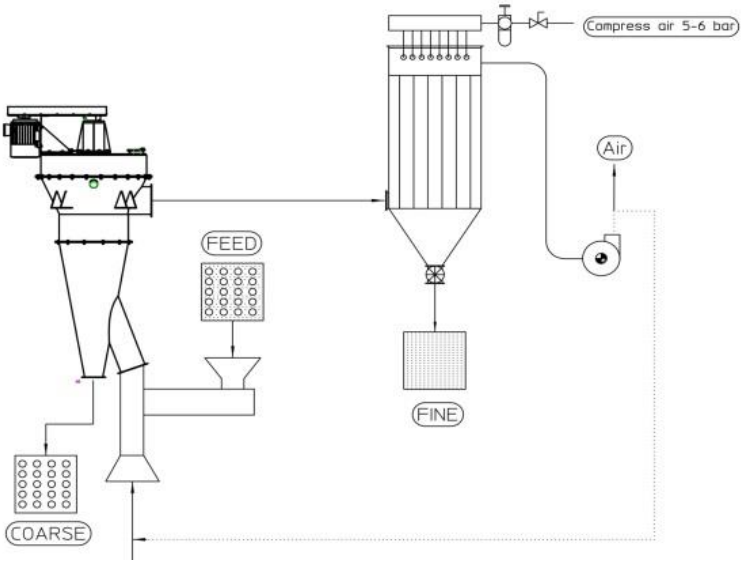
CONSTRUCTION

Classifiers are formed by:

- upper part includes the control unit and the support group of the classification rotor/impeller fixed to the exit zone of the fine fraction.
- a central conical part that classifies the material
- lower part includes the area where the material to be separated is fed and that which is discharged from the coarse fraction. The speed of rotor/impeller (by the frequency converter) adjusts the particle size.

WORKING

The particle size classification in two fractions is created by the equilibrium of the particles subjected to the centrifugal action created by the classification rotor/impeller and by the suction force caused by the fan. The finest particles are sucked while the coarser particles falls down by centrifugal force. Increasing the rotor speed the granulometry becomes finer.



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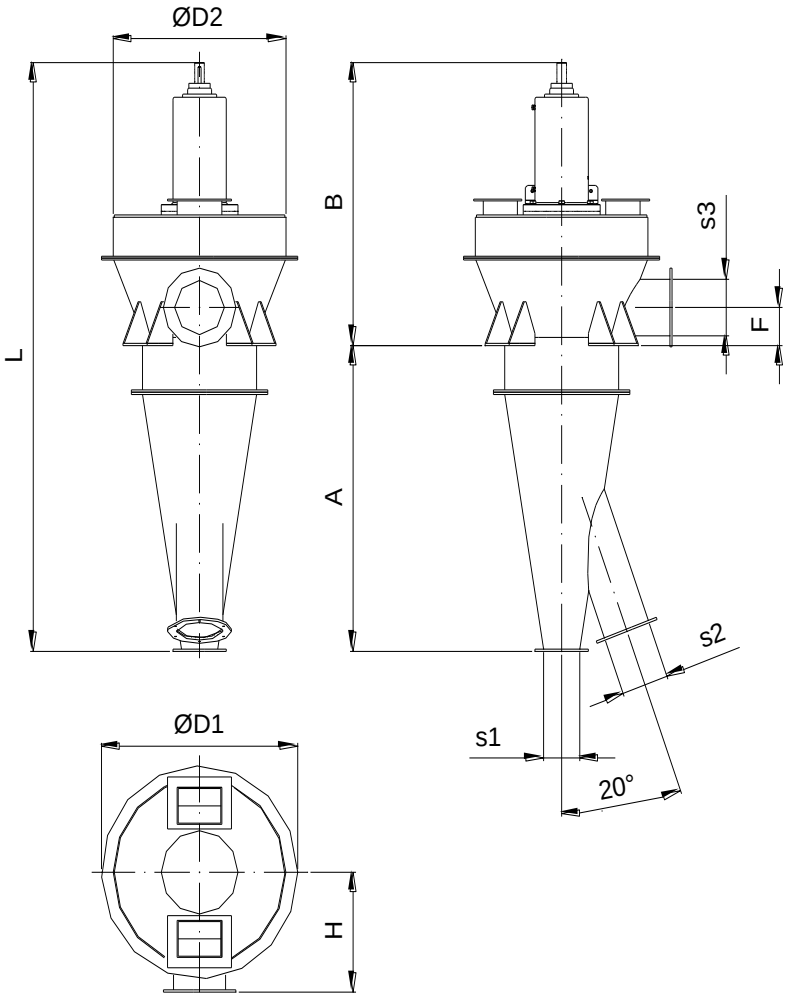

TYPE	OVERALL DIMENSIONS									
	A	B	ØD1	ØD2	F	H	L	s1	s2	s3
W 2	330	305	250	205	40	130	635	40	50	80
W 4	660	610	450	405	85	260	1270	80	100	150
W 6	990	920	700	610	125	390	1910	125	170	200
W 8	1320	1225	920	810	165	520	2545	170	220	250
W 10	1650	1375	1150	1010	210	650	3025	200	250	350
W 12	1980	1520	1400	1215	250	780	3500	250	350	400
W 14	2310	1815	1600	1420	290	910	4125	300	400	450
W 16	2640	1960	1850	1620	330	1040	4420	350	450	500
W 18	2970	2105	2100	1820	380	1170	5075	400	500	600
W 20	3300	2450	2300	2025	410	1300	5750	450	550	650
W 22	3630	2595	2500	2225	450	1430	6225	500	600	700
W 24	3960	2740	2750	2430	495	1560	6700	550	650	750
W 26	4290	2885	3000	2630	540	1690	7175	600	700	800
W 28	4620	3030	3250	2835	580	1820	7650	650	750	900
W 30	4950	3175	3500	3035	620	1950	8125	700	850	1000

Dimensioni in mm - Dimensions in mm
Dimensioni non impegnative - Dimensions not binding