Cyclones

DENIS

General description

DENIS cyclones purify the air discharged by the grain-cleaning equipments and collect the light impurities. Essential complement to any cleaning, commercial cleaning, fine cleaning processes... of cereals, it appears to be simple to use and economical in respect of the environment. DENIS cyclones offer the following advantages:

Stable and functional: principle and design to allow cleaning by natural process, adaptable to any place thanks to its adjustable feet, collection of dust and impurities: baggers included.

Time & cost saving, performing and strong: air capacity of 60, 90 or 150m^3/min, no maintenance needed.
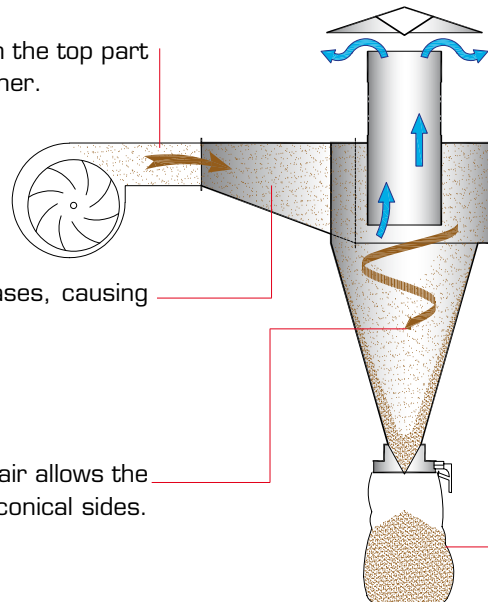
DENIS paint quality : every part undergoes following processes: sand blasting, spray application of primer, phosphate cleaning, 180°C oven baked final paint finish. These processes are applied on a continuous production line. The final result provides optimum resistance to corrosion (>250 hours in salt atmosphere) equivalent to pre-galvanised finish, almost to automobile industry standards. Denis makes every effort to be environmentally friendly, controlling all emissions during this process.

Functioning

The dust-loaded air comes in the top part of the cyclone from the cleaner.

The exhaust of large diameter at the top of the cyclone clears the purified air naturally.

The inlet pipe volume increases, causing the airflow to slow down.

The wastes and impurities slide down to the bagger, set at the bottom part.

The spiral movement of the air allows the fall of the wastes along the conical sides.

Characteristics

Accessories
- Linking and discharge pipes
- 45° outlet
- Butterfly valve

Type	Air flow treatment	Weight (kg)	Cyclone height (mm)	Sack attachment height (mm)	Ø air outlet (mm)	Air inlets dimensions	Space on ground (mm)
C60	60 m^3/min	76	1 525	1 040	350	260 x 260	Ø 1 288
C90	90 m^3/min	107	1 890	1 040	450	606 x 206	Ø 1600
C150	150 m^3/min	152	2 495	1 040	550	752 x 252	Ø 1565

The volume of impurities in the air discharged by the cyclones varies upon the cleaned product, the settings of the cleaning equipments and upon the installation of the cleaning unit.

DENIS

Avenue Louis-Denis - 28160 Brou - France
Tél. +33 (0)2 37 97 66 11 • Fax +33 (0)2 37 97 66 40
www.denis.fr

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