



PC CYCLONE

DUST & DRY SMOKE EXTRACTION

Centrifugal pre-separator

The PC® CYCLONE dust separator is a centrifugal preseparator, a machine that removes any dust suspended in the air, using the principle of centrifugal force.

The PC® CYCLONE is used as preliminary treatment of the contaminated air to partially abate the polluted elements in the air. The standard Hfiltration cyclone unit includes the dust collection bin up to Ø1000 mm. To facilitate discharging the abated dust, a motorised rotary valve is installed by default under the cyclonic cone for diameters exceeding Ø1000mm.

We suggest using the PC® CYCLONE dust separator as a pre-dust suppressor, paired with our HJL Cart, HJL Bag or Pulsatron Compact® filters. It is recommended for a wide range of industrial processes where dry dust and coarse dust must be treated, or where there are sparks. The pressure drop in these cyclones varies between 95 and 130 mm H₂O. For harsh applications, the dust separator cyclone can be made of wear-resistant steel (HARDOX®).

Optional

- Rotary valve
- Rot blowing
- Level paddle supplying and management in the cyclone cone
- Rotary valve RPM sensor alarm
- Plenum chamber
- Available also in ATEX versions



Advantages

- Low inlet concentration to the dust collector
- Low maintenance costs
- Pre-separation of the dust
- Low risk of fire
- Technical support and aftersales service



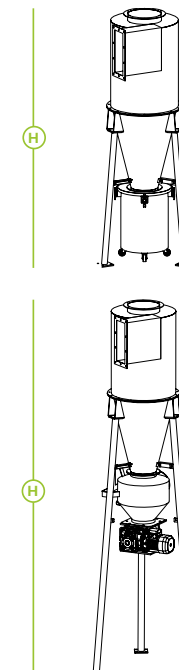
Applications

- Plasma cutting
- Marble cutting
- Sandblasting
- Grinding
- Dry machining on tool machines
- Chemical processing
- Pharmaceutical processing
- Plastic material processing
- Silo venting filters

Technical Specifications

PC® CYCLONE

| HF Code | AIRFLOW * | DIMENSIONS [mm] | | ROTARY VALVE | |
|--------------------|-----------|-----------------|------|-----------------|----------------------|
| | [m³/h] | Diameter | H | Capacity [m³/h] | Installed Power [kW] |
| PC-Cyclone500#STD | 2500 | Ø500 | 1877 | - | - |
| PC-Cyclone600#STD | 4000 | Ø600 | 2125 | - | - |
| PC-Cyclone700#STD | 5500 | Ø700 | 2380 | - | - |
| PC-Cyclone800#STD | 7000 | Ø800 | 2635 | - | - |
| PC-Cyclone900#STD | 9000 | Ø900 | 2960 | - | - |
| PC-Cyclone1000#STD | 12000 | Ø1000 | 3165 | - | - |
| PC-Cyclone1200#ROT | 16000 | Ø1200 | 4848 | 3.5 | 0.37 |
| PC-Cyclone1300#ROT | 18000 | Ø1300 | 5137 | 3.5 | 0.37 |
| PC-Cyclone1400#ROT | 21500 | Ø1400 | 5417 | 5 | 0.55 |
| PC-Cyclone1500#ROT | 25000 | Ø1500 | 5674 | 5 | 0.55 |
| PC-Cyclone1600#ROT | 28000 | Ø1600 | 5674 | 5 | 0.55 |
| PC-Cyclone1700#ROT | 32000 | Ø1700 | 6228 | 5 | 0.55 |



- 1 Inlet flange
- 2 Body
- 3 Cone
- 4 Legs
- 5 Reinforcement
- 6 Plenum
- 7 Rotary valve
- 8 Outlet flange

Extraction range



CleanMist
Oil mist centrifugal filters



Mist compact
Oil mist filters



MCOS
Coalescent filters



Dust & dry smoke
Extraction filter range



Whether it is increasing profitability, quality and efficiency with world leading cutting fluid and management solutions, speeding up maintenance with our industrial vacuums, or improving the working environment and health and safety with mist and dry smoke extraction, Jemtech has the solution to significantly improve your workshop environment and production, saving you time and money in the process.



Contact us today



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