

# CP Direct flow cyclones



## Description

Direct flow cyclones of CP series are designed for separation of the dust from airflow and installed as a part of air duct system. These cyclones are suitable for separation of any kind of dry non-sticky dust. For abrasive dusts application a reinforced CPu unit is available. CP and CPu units are installed horizontally directly into the air duct and recommended to be used as preliminary stage of filtration before the fine filter filtration. Air speed in the air duct with installed CP or CPu cyclone should exceed 12 m/s. Maximal allowed temperature of airflow is 110 °C. Cyclones provide limited protection of filtration equipment against sparks serving as a spark arrester.

## Industries and applications

- Dry coarse dust separation (pre-filter unit)
- Limited spark protection
- Abrasive dust separation (CPu series)
- Coarse filter

## Features

- Robust and reliable design
- Compatible with air ducts of standard diameters
- Simple installation, no additional space required
- Suitable for abrasive dust (BCPu unit)
- Environmental resistant powder coating

## Restrictions




- Not suitable for explosive or combustible substances
- Not suitable for materials that tend to smolder or self-ignite

## Article numbers / Technical characteristics

Article №	Model	Recommended airflow, m³/h	Air duct diameter, mm	Separation efficiency for medium quartz dust particles, %	Separation efficiency for coarse quartz dust particles, %	Weights, kg
5557	<b>CP-1000</b>	1000	160	80-88	92	6,7
5690	<b>CPu-1000</b>	1000				13,4
5555	<b>CP-2500</b>	2500	250			15,7
5691	<b>CPu-2500</b>	2500				31,4
5611	<b>CP-4000</b>	4000	315			25,5
5692	<b>CPu-4000</b>	4000				51



## Spare filter elements and accessories

	Model	Description
	sKC	Cyclone body, thickness 1,5 mm
	sKCu	Reinforced cyclone body, thickness 3 mm
	sOC	Floor stand complete
	sDB	Dust bin, 40l

## Cyclones with floor stands, complete sets

Article №	Model	Delivery set
5500	CPO-1000	sKC-1000, sOC-1000, sDB-40-160
5693	CPOu-1000	sKCu-1000, sOC-1000, sDB-40-160
5556	CPO-2500	sKC-2500, sOC-2500, sDB-40-250
5694	CPOu-2500	sKCu-2500, sOC-2500, sDB-40-250
5626	CPO-4000	sKC-4000, sOC-4000, sDB-40-250
5695	CPOu-4000	sKCu-4000, sOC-4000, sDB-40-250



## Pressure drop

