



Cyclone

A **cyclone** separator is a device used to separate particles or droplets from a gas or liquid stream based on their size and density differences by the centrifugal force. Cyclone separators are particularly effective in removing larger or heavier particles, such as dust, dirt, and debris. They are widely used in applications such as air pollution control systems, gas and oil refineries, powder processing plants, and wastewater treatment facilities.

As Your **Reliable Partner**

PANTAN specializes in providing its customers with suitable process packages and equipment solutions, including individual cyclone separators or skid-mounted assemblies. These cyclones are skid-mounted for ease of transport and installation. Our cyclones are designed to be compact, robust and easy to maintain, making them an ideal solution for a variety of applications in the oil & gas, chemical and petrochemical industries.

PANTAN
صنایع پنتان شیمی



TRUSTED SOLUTION

For

EFFICIENT PARTICLE SEPARATION

Types of Cyclones

- Reverse flow cyclones
- Multiple cyclones
- High efficiency cyclones
- Axial flow cyclones
- Hydrocyclone separators

Applications of Cyclone Separators in Various Industries

- Chemical industry
- Pharmaceutical industry
- Petroleum industry
- Steel industry
- Food processing industry
- Mining industry
- Cement industry
- Textile industry
- Woodworking industry
- Power generation industry

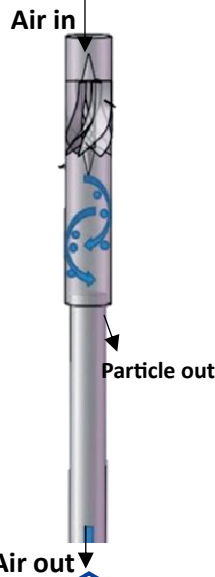
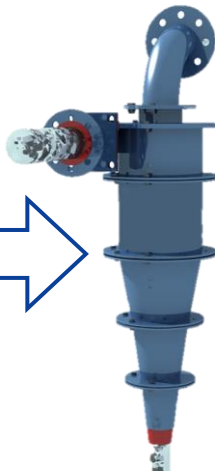


In Reverse Flow Cyclones, gas enters the top of the separator body tangentially, flows downwards, then flows back upwards and is discharged.

Multiple Cyclones consist of several individual cyclones that are arranged in parallel or series to improve the overall separation efficiency.



Hydrocyclone separators are a type of cyclone separator that is used for liquid-liquid, gas-liquid or solid-liquid separation, and typically consist of a conical chamber with a tangential inlet for the gas or liquid stream.



High Efficiency Cyclones are designed to be more effective than conventional cyclones by using features like a longer body, smaller inlet diameter, or secondary air injection to achieve higher separation efficiency.



In Axial Flow Cyclone gas enters at one end and is discharged at the opposite end.

Contact Us



No. 59, Sadat St., Farahzadi
Blvd. Shahrak Qarb, Tehran, Iran

Phone: + 98 21 59194000
Fax: + 98 21 88370267

www.pantan.com
info@pantan.co

Factory: Safadasht Industrial Zone,
Tehran, Iran

Phone: +98 21 6549162-3