



# United States Systems, Inc.

Reliable Pneumatic Conveying Engineering and Manufacturing

[unitedstatesystems.com](http://unitedstatesystems.com) | P.O. BOX 5218, Kansas City, KS 66119 | Local: 913-281-1010 | Fax: 913-281-2901 | Toll Free: 888-281-2454

## CYCLONE SEPARATOR

Engineered for Strength and Effectiveness

**We manufacture standard cyclones and engineer solutions to your most difficult problems. If you're scratching your head about something give USS a call.**

A US Systems Cyclone uses vortex separation to remove particles from air. Air and material discharges into the cyclone at a high speed from a pneumatic conveying system. The material drags downward in a spiral along the walls by gravity as the air flows upward toward the cyclone outlet.

Cyclone efficiency depends on the shape of the Cyclone, proportions and the mechanical forces these introduce on the airstream and airborne particles. A US Systems cyclone is designed for optimal efficiency.

Cyclones can be made from stainless steel, aluminum, or painted carbon steel. We can easily custom-engineer the perfect solution for your material and conveying needs.

