

High Efficiency Cyclones



UltraMAC High Efficiency (HE) Cyclone

The UltraMAC High Efficiency (HE) Cyclone has no bags, resulting in all product being returned to the process.

The UltraMAC HE Cyclone offers ultra high efficiency, up to 99.99% and its performance is guaranteed by Mac Process. Each system is designed and manufactured specifically for the customer and is tailored to meet the unique efficiency needs of their application.

The UltraMAC HE can be configured as a clean-in-place system. It is ideally suited for replacing baghouses. Typical applications include but are not limited to: Pharmaceutical, Fluid Bed Dryer Exhaust, Food and Wood.

- ❖ Up to 99.99% efficiency
- ❖ Hi-temp capable
- ❖ No moving parts
- ❖ No maintenance



High Efficiency (HE) Cyclones

Mac Process HE

Cyclones are designed to separate product from an air stream. The collected product is discharged out of the bottom of the cyclone and the clean air is discharged through the top exhaust.

The bottom discharge can be designed for a 55 gallon drum or a rotary airlock. The HE Cyclone can be used as a primary collector or as a pre-filter separator and is designed for either positive or negative pressure use.

For increased airflows, the HE is available in two, three or four unit configurations.

Standard Specifications

- Available in 7, 10, or 12 gauge carbon steel
- Full welded exterior
- Skip welded interior, ground smooth
- Critical interior welds are continuous
- Flanges are drilled and match marked
- Flat bar flanges on air inlet, outlet and product discharge
- Expansion chamber
- CW or CCW inlet rotation

Options

- Stainless steel
- Inlet/outlet flanges can be drilled to mate to existing or new equipment
- Inlet wear liner
- Screw conveyor discharge
- Support structure
- Rotary airlock discharge
- 8" inspection port

Mac Process Inc.
7901 NW 107th Terrace
Kansas City, MO 64153-1910
T +1 800 821 2476
F +1 816-891-8336
sales@macprocessinc.com
www.macprocessinc.com