Since 1913, Bradley Pulverizer Classifiers have served the powder processing industry worldwide. Utilizing our proven vertical blade technology, the Windsifter Air Classifier offers rugged and reliable air classification for efficient and economic operation. This stand-alone classifier provides capacities up to 250 tons per hour with low power consumption and reduced maintenance.



## PRINCIPLE OF OPERATION

The Vertical Blade Classifier (VBC) technology incorporated into the Bradley Windsifter Air Classifier utilizes vertically oriented blades and the separator rotor to create a vortex, spinning the air and throwing the coarse particles out to the sides, where they fall for bagging. Fine particles are carried through the separator rotor and up to the cyclone or bag filter.

## PERFORMANCE FEATURES

- ☐ CAPACITIES UP TO 250 TPH
- ☐ SHARP CUT – WITH CUT POINTS FROM 5 TO 500 MICRONS
- ☐ INSTANT SIZE CONTROL
- ☐ NO BAG FILTER
- ☐ EASY TO INERT FOR HAZARDOUS MATERIAL SEPARATION
- ☐ LOW MAINTENANCE
- ☐ LOW POWER CONSUMPTION

### CUSTOMIZATION FOR SPECIALIZED APPLICATIONS

- ■ Wear-resistant linings to handle abrasive dust like fly ash & cement
- ■ Fabricated in stainless steel to classify metal powders & food products
- ■ Inert purge for fire & explosion prevention
- ■ Low velocity units for fly ash applications

# WINDSIFTER AIR CLASSIFIER
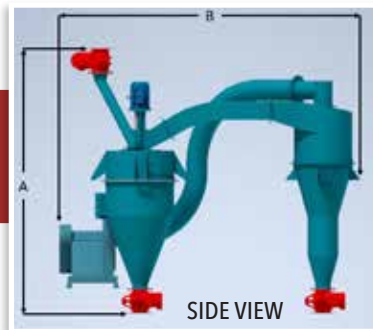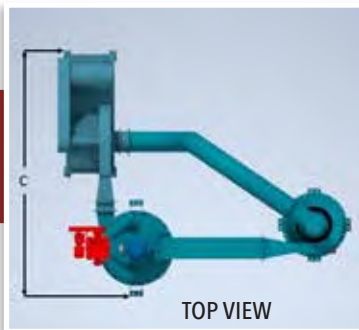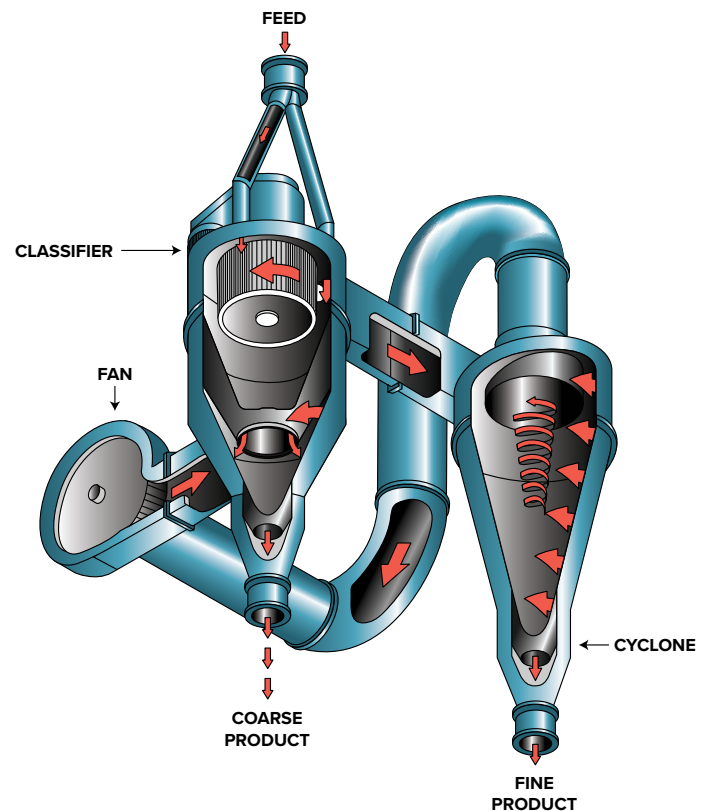## EFFICIENT COARSE & FINE PARTICLE SEPARATION

- ☑ SPLITTING OF COARSE & FINES
- ☑ DEDUSTING OF CHIP MATERIAL
- ☑ SEPARATION BY BULK DENSITY

## APPLICATIONS

| MATERIAL | LIMESTONE | CARBON | FLY ASH | PHOSPHATE | COPPER FLAKE | 316 STAINLESS STEEL POWDER | VEGETABLE PROTEIN |
|---|---|---|---|---|---|---|---|
| APPLICATION | ANIMAL FEED DE-DUST DRY CHIPPINGS | CHEMICAL INDUSTRY COSMETICS | CEMENT SUBSTITUTE | PHOSPHORIC ACID | CHEMICAL INDUSTRY | 3D PRINTING | PROTEIN SHIFTING |

## SPECIFICATIONS (U.S.)

### TYPICAL **WINDSIFTER** DETAILS

| UNIT SIZE | Dimensions in Feet | | | Power in HP | |
|---|---|---|---|---|---|
| | A | B | C | ROTOR | FAN |
| MS LAB | 7 | 5 | 5 | 1 | 2 |
| MS1 | 10 | 10 | 7 | 4 | 7 |
| MS5 | 10 | 13 | 10 | 10 | 20 |
| MS10 | 13 | 16 | 13 | 15 | 30 |
| MS20 | 13 | 16 | 13 | 20 | 50 |
| MS30 | 19 | 16 | 16 | 30 | 100 |
| MS50 | 20 | 23 | 20 | 60 | 150 |
| MS100 | 36 | 36 | 33 | 120 | 250 |
| MS200 | 49 | 56 | 39 | 200 | 360 |
| MS250 | 56 | 61 | 40 | 340 | 600 |

FEED

CLASSIFIER

FAN

COARSE PRODUCT

CYCLONE

FINE PRODUCT

TOP VIEW

SIDE VIEW

NOTE: These diagrams refer to the A/B/C dimensions in the specification chart above.

FOR OVER **130** YEARS

Airswept Mills | Screen Mills | Air Classifiers | Process Units
Project & Design | Testing, Development & Consultancy

# Bradley
## PULVERIZER

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