

# CYCLONE SEPARATOR

Cyclone Separator - 75/16

| TECHNICAL DATA                            | Standard Cabinet Mounted 75/16 Cyclone                |
|---|---|
| Overall Height (excluding outlet)         | 925mm   |
| Body Length                               | 300mm   |
| Body Size                                 | 400mm Diameter  |
| Vortex Length                             | Adjustable between 200mm x 400mm                      |
| Vortex Diameter                           | 150mm   |
| Basket Perforation Size                   | 5mm Diameter  |
| Inlet Size (from cabinet hopper)          | 100mm Diameter  |
| Outlet Size (to dust collector)           | 150mm Diameter  |
| Extraction Rate (variable)                | 3-15m <sup>3</sup> /m (100-500 cfm)                   |
| Pressure Drop                             | 250 -300 Pa (25-30 Wg)                                |
| TECHNICAL DATA                            | Free Standing 75/16 Cyclone Version                   |
| Overall Height (including optional motor) | 2095mm  |
| Base Frame Width                          | 880mm   |
| Base Frame Depth                          | 700mm   |
| TECHNICAL DATA                            | Optional Motorised Impeller                           |
| Impeller                                  | 305mm Diameter in cast aluminium with 8 radial blades |
| Extraction Motor                          | 0.55 kW<br>3000 rpm<br>Single or three phase motor    |



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### INCREASE PRODUCTIVITY AND SYSTEM PERFORMANCE WITH A 75/16 CYCLONE SEPARATOR

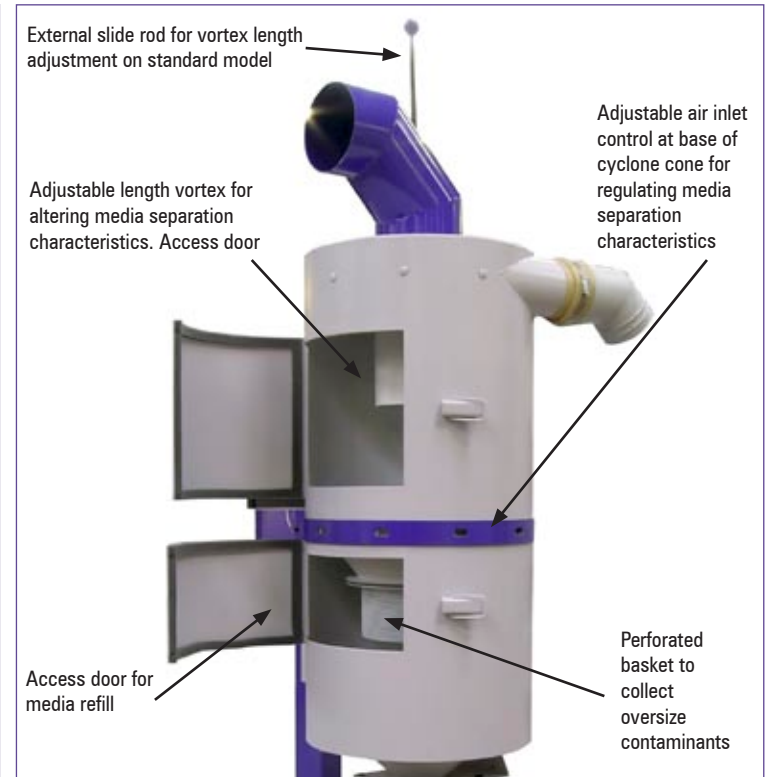
- More effective and economic use of blast media
- Improved process and environmental control
- Higher consistency of part finish
- Improved cabinet visibility
- Essential for many of the more critical operations including peening
- Adaptable for most types of blast media
- Ideal for plastic media blasting (PMB)
- For use with abrasive as well as non-abrasive media
- A cyclone can be specified for use with all Euroblast SF blast cabinets with appropriate dust collector models
- A free standing model can be retrofitted to existing Guyson installations

**A cyclone separates the lighter spent media and dust from the heavier re-usable media which is recirculated. The lighter spent particles are carried over to the dust collector.**

Left: Magnetic separator

Right: Vortex lowered

Extreme Right: Vortex raised



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### MAIN OPTIONAL FEATURES

- A motorised extraction impeller for heavier metallic media
- Polyurethane body lining for improved wear resistance
- Magnetic separation to prevent ferrous contamination
- A free standing cyclone unit

### ADJUSTABLE SYSTEM

- Separation performance will vary according to differing airflow circulation conditions within the total Euroblast® system and also according to the density, shape and size characteristics of the media in use and surface debris
- The total blast system specified incorporating the 75/16 cyclone can be set and adjusted for many of these variables and for the changing conditions during operation
- The 75/16 can be used with up to 2 x model 900 guns
- For more critical applications or to ensure the best possible results with your application, we recommend consultation and/or pre-testing

Motorised version



Media 'pickup' to guns. Adjustable to give correct air/media ratio



Motorised extraction impeler

Cabinet rear with adjustable cyclone mounting position

Top right: Freestanding 75/16 cyclones

Top Left: Freestanding 75/16 cyclone with motor

Bottom Left: Perforated basket to collect oversize contaminants

Right: Machine mounted motorised 75/16 cyclone, pressure pot and dust collector

Extreme Right: Freestanding motorised 75/16 cyclone, pressure pot and dust collector

