



## MISTRAL 451 BL D2 - COMBUSTIBLE DUST

ETL CERTIFIED FOR CLASS II, DIVISION 2

Groups F, G



FOOD INDUSTRY



ELECTRONICS



OPTICS



PLASTICS



- ✓ Complete steel construction
- ✓ Compact and mobile
- ✓ Easy filter replacement
- ✓ Stainless steel AISI304 collection tank
- ✓ Earth grounding
- ✓ Spark-free brushless motor (average 15,000-hour life expectancy)
- ✓ Easy to clean and to maintain
- ✓ NRTL certification for Class II, Division 2 hazardous locations
- ✓ High efficiency filtration



### SUCTION UNIT

|                           |                     |                |
|---------------------------|---------------------|----------------|
| Certification             | ETL Class II Div. 2 |                |
| Groups                    | F,G                 |                |
| Voltage                   | V - Hz              | 115 - 60 1~    |
| Power                     | HP (kW) - Amps      | 1.5 (1.1) - 14 |
| Electrical Protection     | IP - NEMA           | 55 - 4         |
| Max water lift            | inH2O (mmH2O)       | 90.6 (2300)    |
| Max air flow              | CFM (m3/h)          | 121.8 (207)    |
| Suction inlet             | in (mm)             | 3 (80)         |
| Noise level (EN ISO 3744) | dB(A)               | 74             |



### FILTER UNIT

|                       |                |                   |
|-----------------------|----------------|-------------------|
| Filter Type           | Star           |                   |
| Surface Area          | ft2 (m2), mm   | 22 (2), 420       |
| Material - Efficiency | IEC 60335-2-69 | Polyester - ANT M |
| Cleaning system       | Manual         |                   |



### COLLECTION UNIT

|                 |                         |         |
|-----------------|-------------------------|---------|
| Collection tank | AISI304 Stainless steel |         |
| Capacity        | gal (L)                 | 12 (45) |



### SIZE

|            |               |                      |
|------------|---------------|----------------------|
| Dimensions | in (cm) WxLxH | 23x25x53 (58x63x135) |
| Weight     | lbs (kg)      | 121 (55)             |



## SUCTION UNIT

The motor head is equipped with a Brushless motor; the lack of carbon brushes allows the use of the machine even in hazardous explosive areas. The motor is protected by a series of filters and it is turned on by an independent switch placed on a soundproofed and robust metal motor head.

The motor head includes a vacuum gauge and power light as standard.



## FILTER UNIT

The large surface star antistatic filter, located inside the filter chamber, is made of polyester and provides high resistance against clogging and passage of fine dust. It is possible to clean the filter using an integrated mechanical system; an external lever shakes the filter vertically and enables to clean the filter thoroughly and safely, maintaining constant suction performance and preventing any dispersion of dust in the environment.



## COLLECTION UNIT

The vacuumed material is placed inside an AISI304 stainless steel roll-out container mounted on wheels, which makes it possible to easily and safely dispose of.



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14 (99.995% @ 0.18 µm)
- ✓ CYCLONE FOR FILTER PROTECTION
- ✓ STAINLESS STEEL AISI304 COLLECTION TANK AND FILTER CHAMBER