

## MTL 4534 Z22 - ATEX EXPLOSION PROOF



ELECTRONICS



PACKAGING



COFFEE, TEA, TOBACCO PROCESSING



TEXTILE



- ✓ Side channel blower motor, powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Pressure relief valve for motor protection
- ✓ Low noise level
- ✓ Compact and mobile

- ✓ Reduced downtime of machine tools
- ✓ High filtration efficiency
- ✓ ATEX certified for Zone 22
- ✓ Earth grounding



### SUCTION UNIT

|                           |                                 |           |
|---------------------------|---------------------------------|-----------|
| Atex zones                | ATEX Z22                        |           |
| Marking                   | Ex II 3D Ex tc IIIB T135°C X Dc |           |
| Voltage                   | V - Hz                          | 400 - 50  |
| Power                     | kW                              | 3         |
| Electrical protection     | IP                              | 55        |
| Max water lift            | mmH <sub>2</sub> O              | 3200/2700 |
| Max air flow              | m <sup>3</sup> /h               | 318       |
| Suction inlet             | mm                              | 80        |
| Noise level (EN ISO 3744) | dB(A)                           | 69        |



### FILTER UNIT

|                       |                     |                   |
|-----------------------|---------------------|-------------------|
| Filter Type           | Star                |                   |
| Surface - Diameter    | cm <sup>2</sup> -mm | 20.000 - 420      |
| Material - Efficiency | IEC 60335-2-69      | Polyester - ANT M |
| Cleaning system       | Manual              |                   |



### COLLECTION UNIT

|          |   |    |
|----------|---|----|
| Capacity | l | 45 |
|----------|---|----|



### VOLUME

|            |    |             |
|------------|----|-------------|
| Dimensions | cm | 100x55x125h |
| Weight     | kg | 80          |



## SUCTION UNIT

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It is designed without any transmission system, and is therefore silent, totally maintenance free and suitable for continuous duty operations.



## FILTER UNIT

A vacuum gauge enables to check constantly the state of the filter and detect possible clogging, warning the operator that the filter must be cleaned.

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.

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.



## COLLECTION UNIT

The detachable AISI 304 steel collection tank has a quick release system for the rapid disposal of the vacuumed material.



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ HEAT RESISTANT FILTER (UP TO 250° CELSIUS)
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ TOTAL STAINLESS STEEL CONSTRUCTION
- ✓ CYCLONE FOR FILTER PROTECTION
- ✓ INTERNAL POLISHING FOR FILTER CHAMBER AND TANK
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST