

## DG 50 EXP Z22 SPARK TRAP - ATEX EXPLOSION PROOF



FOOD INDUSTRY



CHEMICAL-PHARMACEUTICAL



ELECTRONICS



METALWORKING



- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Largest surface filter in its category
- ✓ Integrated filter cleaning system
- ✓ Complete steel construction
- ✓ Vacuum gauge to detect filter clogging
- ✓ Easy filter replacement
- ✓ Reduced downtime of machine tools
- ✓ ATEX certified for Zone 22
- ✓ Earth grounding



### SUCTION UNIT

|                           |                                 |           |
|---------------------------|---------------------------------|-----------|
| Atex zones                | ATEX Z22                        |           |
| Marking                   | Ex II 3D Ex tc IIIC T135°C X Dc |           |
| Voltage                   | V - Hz                          | 400-50 3~ |
| Power                     | kW                              | 4         |
| Electrical protection     | IP                              | 65        |
| Max water lift            | mmH <sub>2</sub> O              | 3200      |
| Max water lift            | mmH <sub>2</sub> O              | 3200      |
| Max air flow              | m <sup>3</sup> /h               | 450       |
| Suction inlet             | mm                              | 80        |
| Noise level (EN ISO 3744) | dB(A)                           | 72        |



### FILTER UNIT

|                       |                     |                   |
|-----------------------|---------------------|-------------------|
| Filter Type           | Star                |                   |
| Surface - Diameter    | cm <sup>2</sup> -mm | 30.000-500        |
| Material - Efficiency | IEC 60335-2-69      | Polyester - ANT M |
| Cleaning system       | Manual              |                   |



### COLLECTION UNIT

|          |    |     |
|----------|----|-----|
| Capacity | lt | 100 |
|----------|----|-----|



### VOLUME

|            |    |             |
|------------|----|-------------|
| Dimensions | cm | 66X118X175H |
| Weight     | kg | 137         |



## SUCTION UNIT

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It 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.



## COLLECTION UNIT

The vacuum is assembled onto a sturdy steel chassis, and provided with industrial quality wheels, that make it suitable for mobile service even when used on rough surfaces.

The spark trap device entraps sparks created when sanding and polishing metal or aluminium parts, preventing the risk of an explosion inside the container.



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ PTFE COATED FILTER CLASS M
- ✓ HEAT RESISTANT FILTER (UP TO 250° CELSIUS)
- ✓ EXTRA LARGE FILTER CLASS L
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ FLOATING DEVICE TO STOP SUCTION WHEN THE BIN IS FULL OF LIQUIDS
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST