



## ZFR 75 - INDUSTRIAL THREE PHASE



CHEMICAL-PHARMACEUTICAL



ELECTRONICS



- ✓ 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
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Vacuum gauge to detect filter clogging
- ✓ Low noise level
- ✓ Compact and mobile
- ✓ Easy filter replacement
- ✓ Reduced downtime of machine tools



### SUCTION UNIT

Voltage	V - Hz	400 - 50
Power	kW	3
Electrical protection	IP	55
Max water lift	mmH <sub>2</sub> O	2.600/2.000
Max air flow	m <sup>3</sup> /h	370
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	75



### FILTER UNIT

Filter Type		Star
Surface - Diameter	cm <sup>2</sup> -mm	30.000 - 500
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	123
Cleaning system		Manual



### COLLECTION UNIT

Discharge system		Roll-out container
Capacity	lt	100



### VOLUME

Dimensions	cm	79x66x170h
Weight	kg	95



## 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.

A pressure relief valve protects the motor, providing additional air for cooling.



## FILTER UNIT

The large surface star 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.

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.



## COLLECTION UNIT

The vacuumed material is collected into a wheeled steel container, which can be extracted for easy disposal and can be used with optional disposable bags, for safer and handier disposal.



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ PTFE COATED FILTER CLASS M
- ✓ EARTH GROUNDING
- ✓ CYCLONE FOR FILTER PROTECTION
- ✓ PRESSURE RELIEF VALVE
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST