

# CLEAN OIL 100



## TECHNICAL DATA

	Units	CLEAN OIL 100
<b>Suction type</b>		Side channel blower
<b>Power</b>	kW-HP	3 - 4
<b>Voltage   Frequency</b>	V Hz	400   50/60
<b>IP   insulation class</b>		55 IF
<b>Maximum vacuum</b>	mBar	320
<b>Vacuum in continuous run</b>	mBar	250
<b>Air flow</b>	m <sup>3</sup> /h	420
<b>Inlet</b>	Ø mm	50
<b>Noise level - EN ISO 3744</b>	dB(A)	78
<b>Liquid capacity</b>	Lt	100
<b>Solid capacity</b>	Lt	50
<b>Dimensions</b>	mm	840X710
<b>Height</b>	mm	1620
<b>Weight</b>	Kg	110
<b>Suction time</b>	L/sec	100/38
<b>Dumping time</b>	L/sec	100/23
<b>Discharge type</b>		Reverse flow



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## SUCTION UNIT

The suction unit is a SIEMENS (made in Germany) side channel blower with direct coupling between motor and impeller. The side channel blower is equipped by a safety valve to guarantee a totally safe continuous work, without any maintenance. This turbine provides impressive airflow (420 m<sup>3</sup>/h) maintaining a high level of depression.



## DISCHARGE SYSTEM

The discharge system is generated by a dedicated system that uses the exhaust air from the turbine. On top of the vacuum there is an ergonomic leverage that permits to pass from vacuum stage to discharge just in one second. Using the exhaust air the discharge operation is guaranteed also if there are same debris in the liquid.



## SUCTION INLET

The suction inlet is specially designed to direct the collected material straight into the collection bin. The intake is tangential and welded to the chamber there is a sturdy metal cyclone. The friction with it reduces the speed of the material that falls down easily into the collection bin.



## NYLON FILTER

The collected liquid can be filtered through a nylon filter with an efficiency of 150 micron. Thanks to this, it is possible to separate also small debris from the oil and recover the lubricants for reuse. The filter can be washed and reused easily. It is also possible to use a disposal filter with an efficiency of 100 micron.



## COLLECTION BIN

The collection bin is designed to separate solids from liquids. There is a removable metal grid that separates the metal chips from the lubricants. Moreover, in the middle of the grid it is located a floating system and in the front part of the bin there is an optical level detector to permit the operator to check the level of liquids inside.

## OPTIONAL AVAILABLE

**BX** | Stainless steel container AISI 304