

CLEAN OIL 100



TECHNICAL DATA

	Units	CLEAN OIL 100
Suction type		Side channel blower
Power	kW-HP	3 - 4
Voltage Frequency	V Hz	400 50/60
IP Insulation class		55 F
Maximum vacuum	mBar	320
Vacuum in continuous run	mBar	250
Maximum air flow	m³/h	420
Relief valve		Included
Inlet	Ø mm	50
Noise level – (EN ISO 3744)	dB(A)	78
Liquid capacity	Lt	100
Solid capacity	Lt	50
Dimensions	mm	840 X 710
Height	mm	1620
Weight	Kg	110
Suction time	L/sec	100/26
Dumping time	L/sec	100/92
Oil filter		Included
Discharge type		Reverse flow



S W A R F & O I L

CLEAN OIL 100



F
A
R
S
&
L
O



SUCTION UNIT

The suction unit is a SIEMENS 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 m³/h) maintaining a high level of depression.



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.



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.



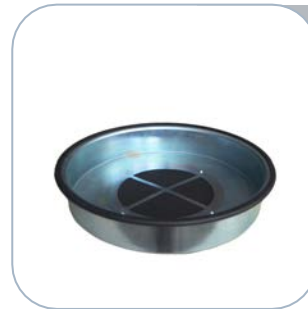
DISCHARGE SYSTEM

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 some debris in the liquid.



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.



OIL MIST FILTER

The oil mist sponge filter is located below the motor head. The filter is installed into a robust galvanized iron support. It stops any possible micro drops of lubricants preserving the health of the workers and the life of the motors.

AVAILABLE OPTIONAL

BX | Stainless steel bin AISI 304