

TS400 Z22

Industrial vacuum cleaner EX 3D
(with explosion proof ATEX certificate
for area 22)



Suction unit

The suction is provided by a suction unit of the side channel blower type. It is completely maintenance free, fit for round-the-clock 24 hours duty, very silent; a safety thermic switch cuts off the motor in case of overheating. All electrical components, including the power switch, are EX rated and certified; a vacuum indicator enables constant checking of the suction performance, and detecting possible clogging of the filter. A pressure relief valve secures constant cooling of the motor, even in case of heavy duty service or accidental clogging of the filter.

Filter unit

The filter is placed and protected inside the steel filter chamber; the filter is made of conductive antistatic polyester, tailored with pockets in order to increase the filter surface (30.000 cm²), and has a high filtration efficiency (class M, 1 micron). A manual filter shaker enables the user to clean the filter efficiently, by a vertical shaking movement, so as to detach most of the dust and maintain the filter clean, in order to increase its life and maintain the suction performance of the machine .

Collection unit

The vacuumed material is placed inside a drop-down bin mounted on wheels (100litres capacity) with possibility of using standard disposable bags, or special seal off bags for toxic and hazardous dust. The vacuum is mounted on a sturdy steel chassis with antistatic wheels, one of which with brakes; all metal parts of the vacuum are epoxy painted, and electrically grounded.

Technical data sheet

MODEL – TS400 Z22		
Explosion proof compliance	ATEX Zone Marking	22 EX 3D
Voltage	Volt Hertz	230/400 3~ 50/60
Power	KW	4
Max. water lift	mmH2O	3000
Max. water lift (continuous duty)	mmH2O	2300
Air flow	M3/h	450
Filter type	Star	Antistatic polyester
Filter surface	Cm2	30.000
Filter efficiency	Class / micron	M < 1
Collection bin capacity	Lt	100
Suction inlet	∅	80
Noise level	dB(A)	76
Protection	IP	55
Dimensions	Cl	64 x 103
Height	cm	150
Weight	Kg	130

* Measured with fully closed suction inlet

** Measured with fully open suction inlet

Options

Code	Description
H	Absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822
X	Stainless steel collection tank
XX	Stainless steel tank and filter chamber
XXX	Total stainless steel construction
PN	Reverse alternated air pulse cleaning