



TS1800 Z2 - 22

Industrial vacuum cleaner (with explosion proof ATEX certificate for area 2 - 22)

Suction unit

The suction is provided by a suction unit of the side channel blower type, manufactured in Germany by Siemens NashElmo, explosion proof certified for ATEX 2 - 22. 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 (50.000 cm²), and has a high filtration efficiency (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 (160 litres capacity), which makes it possible to dispose easily and safely of the sucked material, if need be collecting it directly into a plastic bag. Special seal-off safety bags are available for the safe collection and disposal of 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 with special antistatic conductive powder, and electrically grounded.

Technical data sheet

MODEL – TS1800 Z2-22		
Explosion proof compliance	ATEX Zone	22
Voltage	Volt Hertz	400 3~ 50/60
Power	KW	18,5
Max. water lift	mm.H2O	4400
Max. water lift (continuous duty)	mm.H2O	3.200
Air flow	M3/h	1.100
Filter type	Star	Antistatic polyester
Filter surface	Cm2	50.000
Filter efficiency	Class / micron	M < 1
Collection bin capacity	Lt.	160
Suction inlet	∅ mm.	80
Noise level	dB(A)	74
Protection	IP	65
Dimensions	cm.	75 x 130
Height	cm.	175
Weight	Kg	340

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