

TS 1800 PN

Industrial vacuum with reverse pulse automatic filter cleaning



Suction unit

The suction is provided by a suction unit of the side channel blower type, with direct coupling between the fan and the motor shaft and no transmission system. It is thus completely maintenance free, fit for round-the-clock 24 hours duty, very silent and provides outstanding suction performances; a safety thermic switch cuts off the motor in case of overheating. The control board is placed in a safe position at the back, and includes two independent ON and OFF switches (protection IP65); a vacuum indicator enables constant checking of the suction performance, and detecting possible clogging of the filter.

Filter unit

The filter is placed and protected inside the steel filter chamber; the filter is made of 4 polyester cartridges, with an overall filter surface of 106.000 cm², and a high filtration efficiency (Class M). An automatic filter cleaning system (reverse pulse type) enables to clean the filter very efficiently, thanks to a powerful alternate jet of compressed air blown directly and very frequently into the cartridges (frequency can be adjusted with timers placed inside the control board), in order 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. The aluminium die-cast suction inlet (Ø100 mm. diameter), placed below the filter, makes it possible to vacuum at the same time dust, solid and liquid material (the latter only within the capacity of the container), with no need to change or take out the filter.

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.

The vacuum is mounted on a sturdy steel chassis with two pivoting wheels, one of which with brakes; all metal parts of the vacuum are epoxy painted.

Technical data sheet

MODEL – TS 1800 PN		
Tension	Volts HZ	230 / 400 3phase 50 / 60
Power	KW	12,5
Max. Vacuum rate	mm.H2O	4400
Max. Air flow rate	M3/h	1100
Total filter surface	Cm2	106.000
N. / Type of filter	4	Antistatic Cartridges
Filter efficiency	CAT BIA	M
Filter cleaning type	Automatic	Reverse pulse
Air load on filter	M3/M2/h	104
Capacity	Lt.	160
Suction inlet	∅	100
Noise level	dB(A)	76
Protection	IP	55
Isolation	CL	F
Dimensions	cm.	75 x 110
Height	cm.	180
Weight	kg	140