



# TS 400 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 2 polyester cartridges, with overall filter surface of 53.000 cm<sup>2</sup>, 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 (Ø80 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 (100 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 400 PN		
<b>Tension</b>	Volts HZ	230 / 400 3phase 50 / 60
<b>Power</b>	KW	2,2
<b>Max. Vacuum rate*</b>	mm.H2O	3200
<b>Max. Air flow rate**</b>	M3/h	450
<b>Total filter surface</b>	Cm2	53.000
<b>N. / Type of filter</b>	2	Antistatic Cartridges
<b>Filter efficiency</b>	CAT BIA	M
<b>Filter cleaning type</b>	Automatic	Reverse pulse
<b>Capacity</b>	Lt.	100
<b>Suction inlet</b>	∅	80
<b>Noise level</b>	dB(A)	73
<b>Protection</b>	IP	55
<b>Isolation</b>	CL	F
<b>Dimensions</b>	cm.	62 x 110
<b>Height</b>	cm.	180
<b>Weight</b>	cm.	140

## Options

Cod	Description
M	Filter for fine dust - class M
H	Absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822
ANT	Antistatic filter
NOMEX	NOMEX filter for high temperatures (max 250° C)
X	Stainless steel collection tank
XX	Stainless steel tank and filter chamber
FLOAT	Floating device to stop suction when the bin is full of liquids