



Vacumobil 350

Dust extractor

11 kW (IE3)

GS/H3 certified

HÖCKER[®]
POLYTECHNIK

Always one idea ahead

Vacumobil 350

Flexible dedusting with maximum performance.

The Vacumobil 350 is the most powerful model of the popular Vacumobil series from HÖCKER POLYTECHNIK. This powerful dust collector is perfect for the dedusting of CNC machine centres or several production machines. It is distinguished by many new features in terms of energy efficiency, unit size, performance characteristics, modularity and flexible range of applications. The different cleaning processes (jet and vibration) and discharge systems (collection bins, briquetting presses, rotary valves) provide customised solutions.

The drive of the Vacumobil 350 is standard engineered in efficiency class IE3 and so guarantees an extremely environmentally friendly and energy-saving operation. All models of this type series are of course tested by Employers Liability Insurance Association according to GS-HO 07 and operate exclusively with duly certified filter material. In the field of process safety, the innovative dust collectors convince through an automatic fire-extinguishing system and an integrated explosion-resistant swing check valve (approved for organic dust of dust explosion class St1 with a minimum ignition energy $>10\text{mJ}$ and a lower explosive limit of at least 30 g/m^3).

Vacumobil J...

- Ideal for continuous operation (option), since jet filter cleaning with low compressed air consumption ensures effective filter regeneration and long filter life.

Vacumobil V...

- For installation in the shop, also for explosion-prone dust-air mixtures and intermittent processes; during breaks, the system gently cleans the filters by means of vibration without the use of compressed air.



Fig. above:
Vacumobil VP 350
with vibrations cleaning and briquetting press

Fig. below:
PLC-control, automatic fire extinguishing system



Safety with a capital S

The Vacumobil is delivered ready for connection with phase change plug and can, thanks to the integrated automatic fire extinguishing system, be installed in the working area without further fire protection measures.

An integrated FSA-tested blowback protection secures in the area of raw air inlet the explosion decoupling and escape of dust. The rotary valves of Vacumobil JZ and VZ are pressure shock resistant and flameproof (tested Dekra-EXAM).



Fig. above:
Vacumobil JZ 350,
with vibrations cleaning and rotary valve



Fig. above:
Vacumobil JT 350
with compressed air-impulse cleaning

Fig. below:
Rear view of the Vacumobil JT 350



Advantages

- Installation in the work area allowed (depending on type of dust)
- Low residual dust content <math><0.1 \text{ mg/m}^3</math> (H3) acc. to TRGS 553
- 100% utilization of heat energy through air return
- Large filling capacity of 4 tons
- Online-cleaning available (supplementary charge)
- Height <math><2.6 \text{ m}</math>
- PLC-control system with automatic switch on
- Drive Efficiency Class IE3
- Automatic filter cleaning
- Integrated automatic fire extinguishing system
- Tested blowback protection integrated
- Pressure relief not required for St1 dusts
- BG-approved filter material (filtration efficiency 99.95%)
- Low energy consumption and high suction performance

	Vacumobil JT 350	Vacumobil VT 350
Suction connection diameter	350 mm	350 mm
Engine-rating	11 kW / 400 V / 50 Hz (IE 3)	11 kW / 400 V / 50 Hz (IE 3)
Filter area	ca. 35 m ²	ca. 35 m ²
Nom. Volume Flow (V Nom)	6.927 m ³ /h at 20 m/s	6.927 m ³ /h at 20 m/s
Max. Volume Flow (V Max)	8.600 m ³ /h	8.600 m ³ /h
Vacuum generated V Nom**	ca. 3.100 Pa	ca. 3.100 Pa
Vacuum generated V Max**	ca. 2.000 Pa	ca. 2.000 Pa
Collection Volume	ca. 495 Liter max.	ca. 495 Liter max.
Maximum sound pressure level*	≤ 73 dB(A)	≤ 73 dB(A)
Measurements (L x W x H)	3.930 x 1.030 x 2.560 mm	3.780 x 1.030 x 2.560 mm
Weight	ca. 1.080 kg	ca. 1.040 kg
Dedusting	Pressurized air (offline)***	Vibration (automatically with added running times)
Blast gate control	optional	optional

Small lexicon

- JT** = Jet-cleaning / collection bins (tons)
- VT** = Vibration cleaning / collection bins (tons)
- JP** = Jet-cleaning / briquetting press
- VP** = Vibrations cleaning / briquetting press
- JZ** = Jet-cleaning / rotary valve
- VZ** = Vibration cleaning / rotary valve

* Measured according to the EU Machinery Directive subject to free field conditions with 1 m distance of 1.6 m height ** in delivery status - non-impinged filter hoses
 *** online cleaning optional (in case of explosive dust - air mixtures only permissible with further protective measures)



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