Vacumobil 350

Dust extractor

11 kW (IE3)

GS/H3 certified
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-H0 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 >10mJ and a lower explosive limit of at least 30 g/m³).

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.

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).
Advantages

- Installation in the work area allowed (depending on type of dust)
- Low residual dust content <0.1 mg/m³ (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 <2.6 m
- 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

<table>
<thead>
<tr>
<th></th>
<th>VT 350</th>
<th>JT 350</th>
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<tbody>
<tr>
<td>Suction connection diamenter</td>
<td>350 mm</td>
<td>350 mm</td>
</tr>
<tr>
<td>Engine-rating</td>
<td>11 kW / 400 V / 50 Hz (IE 3)</td>
<td>11 kW / 400 V / 50 Hz (IE 3)</td>
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<tr>
<td>Filter area</td>
<td>ca. 35 m²</td>
<td>ca. 35 m²</td>
</tr>
<tr>
<td>Nom. Volume Flow (V Nom)</td>
<td>6.927 m³/h at 20 m/s</td>
<td>6.927 m³/h at 20 m/s</td>
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<tr>
<td>Max. Volume Flow (V Max)</td>
<td>8.600 m³/h</td>
<td>8.600 m³/h</td>
</tr>
<tr>
<td>Vacuum generated V Nom**</td>
<td>ca. 3.100 Pa</td>
<td>ca. 3.100 Pa</td>
</tr>
<tr>
<td>Vacuum generated V Max**</td>
<td>ca. 2.000 Pa</td>
<td>ca. 2.000 Pa</td>
</tr>
<tr>
<td>Collection Volume</td>
<td>ca. 495 Liter max.</td>
<td>ca. 495 Liter max.</td>
</tr>
<tr>
<td>Maximum sound pressure level</td>
<td>≤ 73 dB(A)</td>
<td>≤ 73 dB(A)</td>
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<tr>
<td>Measurements (L x W x H)</td>
<td>3.930 x 1.030 x 2.560 mm</td>
<td>3.780 x 1.030 x 2.560 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>ca. 1.080 kg</td>
<td>ca. 1.040 kg</td>
</tr>
<tr>
<td>Dedusting</td>
<td>Pressurized air (offline)**</td>
<td>Vibration (automatically with added running times)</td>
</tr>
<tr>
<td>Blast gate control</td>
<td>optional</td>
<td>optional</td>
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</table>

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)