The suction units PM series with powers ranging from 3 to 30 kW can be used in pneumatic conveying systems for throughputs up to 4500 kg/h and distances up to 200m. Application in centralized feeding system Matrix.

**ADDED VALUE:**
- **VERSATILE**
  Suction units can be integrated on a MATRIX centralized system or PLC Siemens control.
- **EFFICIENT**
  The SPEED CONTROL function with inverter and pressure transducer automatically adjusts the conveyance speed. This prevents the deterioration of the polymer and results in energy efficiency.

**TECHNICAL SPECIFICATIONS:**
- Side-channel pumps from 1 to 3 stages.
- Cam pumps.
- Lobes pumps.
- Self-cleaning filters with polyester cartridges and dust-collection bin.
- RS485 ModBus interface.

**ACCESSORIES:**
- Pressure switch for clogged filter;
- SPEED CONTROL function.

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**SIDE CHANNEL PUMP**
- **Power** 3kW
- **Distance** 0-60m

**TWO SIDE-CHANNEL PUMP**
- **Power** 5 - 20kW
- **Distance** 10 - 100m

**THREE SIDE-CHANNEL PUMP**
- **Power** 15kW
- **Distance** 10 - 150m

**SOUND-PROOF THREE LOBES PUMP**
- **Power** 30kW
- **Distance** 10 - 150m

**CAM PUMP**
- **Power** 4 - 9kW
- **Distance** 10 - 200m

---

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### TECHNICAL DATA:

<table>
<thead>
<tr>
<th></th>
<th>PM3</th>
<th>PM4</th>
<th>PM5</th>
<th>PM7</th>
<th>PM9</th>
<th>PM11</th>
<th>PM15</th>
<th>PM20</th>
<th>PM30</th>
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<tbody>
<tr>
<td>Maximum suction capacity* kg/h</td>
<td>400</td>
<td>1000</td>
<td>600</td>
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<td>1200</td>
<td>1800</td>
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<td>Power kw</td>
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<td>Maximum depression kPa</td>
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<td>Noise level dB(A)</td>
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<td>Ø Vacuum-material line mm</td>
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<td>40/50</td>
<td>40/50</td>
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<td>60/70</td>
<td>60/70</td>
<td>60/70</td>
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<tr>
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<td>C.a. pressure bar</td>
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<td>6-8</td>
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</tr>
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<td>280</td>
<td>300</td>
<td>270</td>
<td>300</td>
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</table>

*The values on the table refer to an average horizontal distance of about 80m.

The times for pipe cleaning and the rotation time of the automatic manifold have not been considered.

### Suction units

- Cylindrical granule.
- Bulk density from 500 up to 850 kg/m³.

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**TECHNICAL DATA:**

- **PM3**
  - FC2: 700x862x1975
- **PM4**
  - FC3: 700x862x1975
- **PM5**
  - FC5: 700x862x1975
- **PM7**
  - FC7: 1061x1825x2643
- **PM9**
  - FC9: 1061x1825x2643
- **PM11**
  - FC11: 1893x1200x2748
- **PM15**
  - FC15:
- **PM20**
  - FC20:
- **PM30**
  - FC30:

---

**TECHNICAL DATA:**

- **PMC4**
  - FC3: 1400x670x1970
- **PMC5**
  - FC5:
- **PMC7**
  - FC7:
- **PMC9**
  - FC9:

---

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The suction units of the PD series with powers from 1.1 to 15 kW are used in pneumatic conveying systems for throughput up to 3000 kg/h and distances up to 150m.

TECHNICAL SPECIFICATIONS:
- Side-channel blowers from 1 to 3 stages.
- Self-cleaning filters with polyester cartridges and dust-collection bin.
- RS485 ModBus interface.

ACCESSORIES:
- Pressure switch for clogged filter;

ADDED VALUE:
- VERSATILE
The suction units are available for two loading receivers.
### PD series

Three-phase hopper loaders

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#### TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>PD1</th>
<th>PD2</th>
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<td>50/60</td>
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<tr>
<td>Filtering surface</td>
<td>m²</td>
<td>1.8</td>
<td>2.9</td>
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<td>C.a. pressure</td>
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<td>C.a. consumption</td>
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<td>Kg</td>
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<td>40</td>
<td>60/140</td>
<td>190</td>
</tr>
</tbody>
</table>

Throughput (kg/h)

Distance (m)

Duo System valve

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