

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



TECHNICAL SPECIFICATIONS:

- 1- to 3-stage side-channel blowers.
- Self-cleaning filters with polyester cartridges and dust container.
- RS485 ModBus interface.

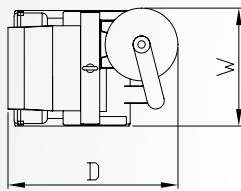
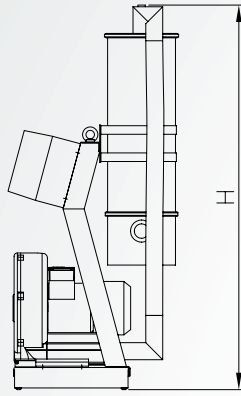
ACCESSORIES:

- Pressure gauge for clogged filter alarm.

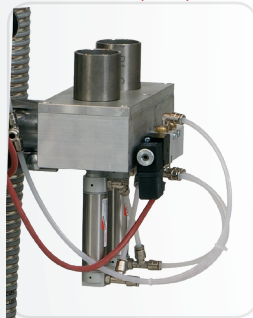
ADDED VALUE:

- VERSATILE
- Suction units are available with two loading stations.

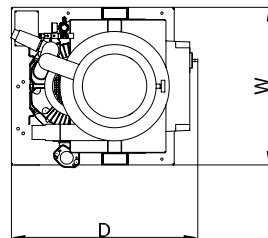
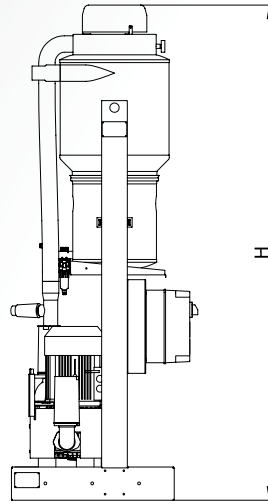
Suction units



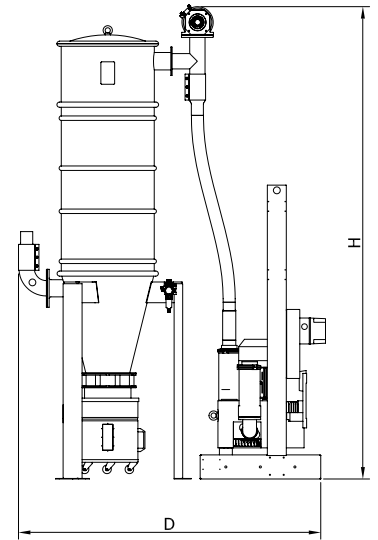
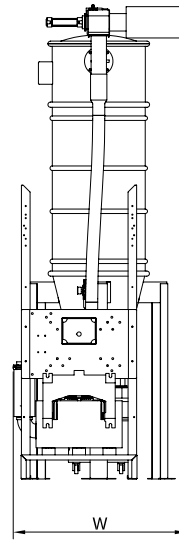
PD1-3 (FC1)



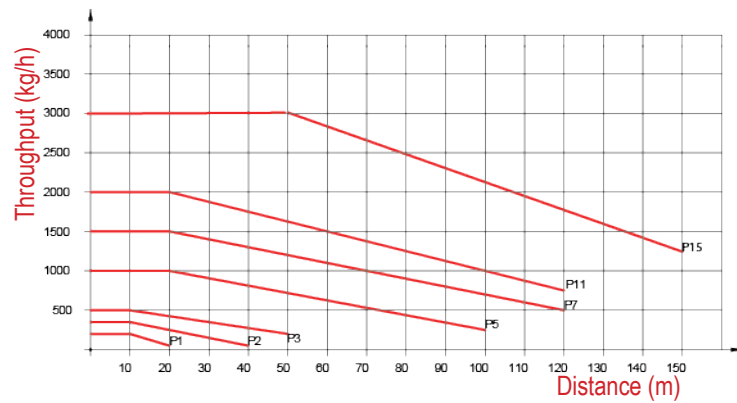
Duo-System valve



PD3-PD11 (FC3)



PD7-15 (FC8)



| TECHNICAL DATA | | PD1 | | PD2 | | PD3 | | PD5 | | PD7 | | PD11 | | PD15 | | | |
|----------------------------|--------------------|---------------|-----|--------------|-----|--------------|------|--------------|------|----------------|------|----------------|------|----------------|-----|-----|--|
| Suction capacity | kg/h | 200 | | 300 | | 500 | | 1000 | | 1500 | | 2000 | | 3000 | | | |
| Power 400V/50Hz | kW | 1.1 | | 1.5 | | 3 | | 5.5 | | 7.5 | | 11 | | 15 | | | |
| Power 460V/60Hz | kW | 1.3 | | 1.7 | | 3.4 | | 6.3 | | 9 | | 12.6 | | 17.3 | | | |
| Vacuum | kPa | 16 | | 20 | | 26 | | 43 | | 43 | | 43 | | 60 | | | |
| Noise level | dB(A) | 61 | | 61 | | 70 | | 75 | | 75 | | 75 | | 75 | | | |
| Vacuum line | Ø mm | 40 | | 40 | | 50 | | 50/60 | | 60/70 | | 60/70 | | 70/89 | | | |
| Filter (optional) | model | FC1 | FZ1 | FC1 | FZ1 | FC1 | FC3 | FC3 | FC3 | FC8 | FC3 | FC8 | FC3 | FC8 | FC8 | | |
| Filtering surface | m ² | 2.9 | 1.8 | 2.9 | 1.8 | 2.9 | 7.5 | 7.5 | 7.5 | 13 | 7.5 | 13 | 7.5 | 13 | 13 | | |
| Type of filter cleaning | | self-cleaning | | | | | | | | | | | | | | | |
| Compressed-air pressure | bar | 6-8 | | 6-8 | | 6-8 | | 6-8 | | 6-8 | | 6-8 | | 6-8 | | | |
| Compressed-air consumption | Nl/cycle* | 1.2 | - | 1.2 | - | 1.2 | 2.14 | 2.14 | 2.14 | - | 2.14 | - | 2.14 | - | - | | |
| | Nm ³ /h | - | - | - | - | - | 0.34 | 0.34 | 0.34 | 1 | 0.34 | 1 | 0.34 | 1 | 1 | | |
| - without filter cleaning | Nl/cycle* | - | - | - | - | - | 0.34 | 0.34 | 0.34 | - | 0.34 | - | 0.34 | - | - | | |
| Dimensions WxDxH | Filter FC1 | 381x540x1137 | | 381x540x1137 | | 381x540x1137 | | - | | - | | - | | - | | | |
| | Filter FZ1 | 417x473x770 | | 417x473x770 | | - | | - | | - | | - | | - | | | |
| | Filter FC3 | - | | - | | 673x700x2021 | | 685x796x2114 | | 717x783x2112 | | 717x857x2112 | | - | | | |
| | Filter FC8 | - | | - | | - | | - | | 1006x1760x2738 | | 1006x1781x2738 | | 1061x2404x2738 | | | |
| Weight | kg | 30 | | 40 | | 60 | | 140 | | 190 | | 210 | | 230 | | 300 | |

* Nl/cycle = compressed-air consumption to clean the filter at the end of each suction.

The control software allows the operator to set the cleaning frequency of the filter, therefore the overall hourly compressed-air consumption must be calculated accordingly.