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.

PLASTIC SYSTEMS
ADVANCED PLASTIC TECHNOLOGIES

PD series

Suction units
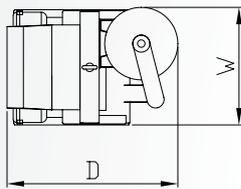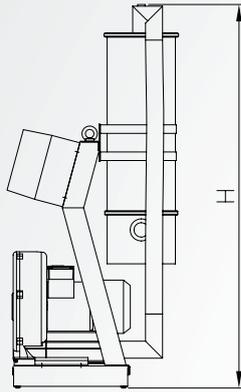
PD1-3 (FC1)

Duo-System valve

PD3-PD11 (FC3)

PD7-15 (FC8)

Throughput (kg/h) vs Distance (m)

P15
P11
P7
P5
P1 P2 P3
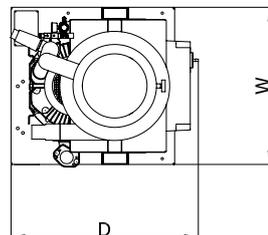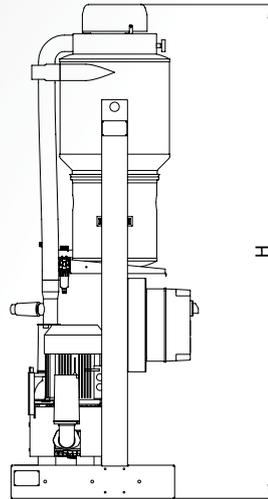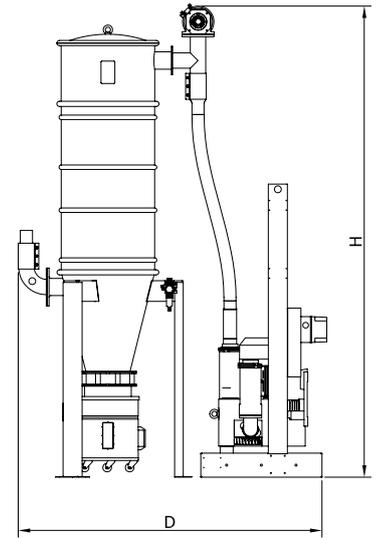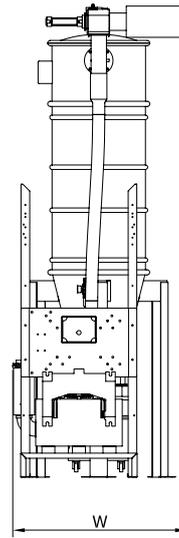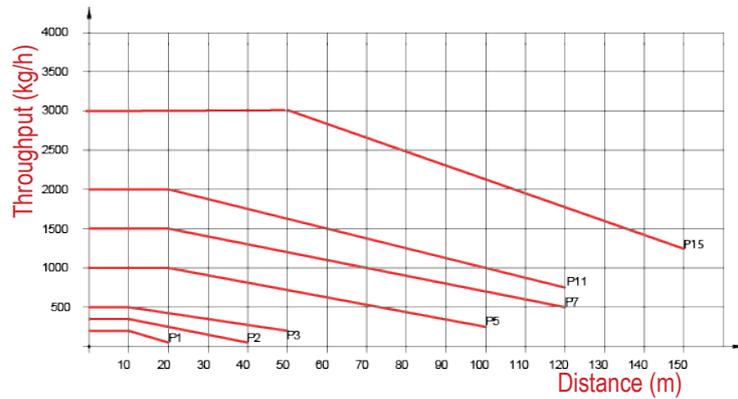
TECHNICAL DATA		PD1		PD2		PD3		PD5	PD7		PD11		PD15
Suction capacity	kg/h	200		300		500		1000	1500		2000		3000
Power 400V/50Hz	kW	1.1		1.5		3		5.5	7.5		11		15
Power 460V/60Hz	kW	1.3		1.7		3.4		6.3	9		12.6		17.3
Vacuum	kPa	16		20		26		43	43		43		60
Noise level	dB(A)	61		61		70		75	75		75		75
Vacuum line	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	FC8
Filtering surface	m²	2.9	1.8	2.9	1.8	2.9	7.5	7.5	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 - with filter cleaning	Nl/cycle*	1.2	-	1.2	-	1.2	2.14	2.14	2.14	-	2.14	-	-
	Nm³/h	-	-	-	-	-	-	-	-	1	-	1	1
- without filter cleaning	Nl/cycle*	-	-	-	-	-	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.