

Three Phase Hopper Loaders

PD Series

The suction units of Three Phase Hopper Loaders, with powers from 1.1 to 15 kW, are used in pneumatic conveying systems for throughput up to 3000kg/h and distances up to 150m.

Technical Specifications

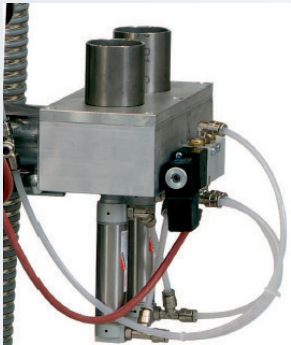
- ▶ 1- to 3-stage side-channel blowers.
- ▶ Self-cleaning filters with polyester cartridges and dust container.
- ▶ RS485 ModBus interface.

Added Value

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

Accessories

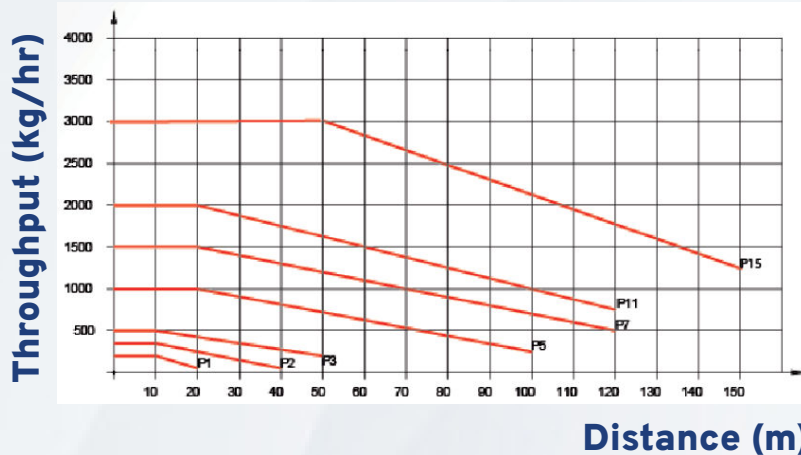
- ▶ Pressure gauge for clogged filter alarm.



Duo system valve



Suction Capacity



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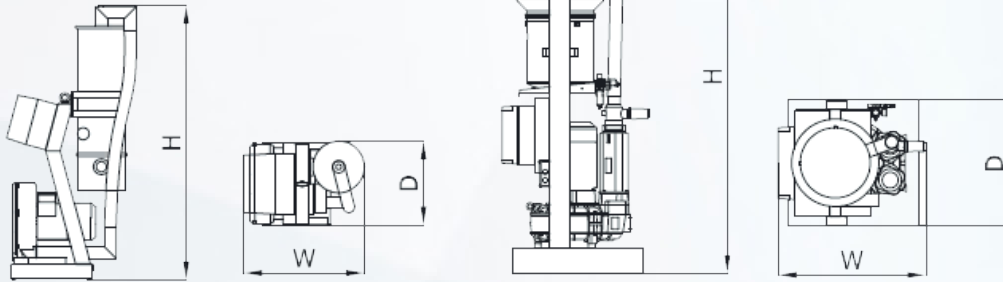
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Dimensions



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)	<80													
Vacuum Line	Ø mm	40		40		50		50/60		60/70		60/70		70/89	
Filter (optional) Filtering Surface	model m ²	FC1 2.9	FZ1 1.8	FC1 2.9	FZ1 1.8	FC1 2.9	FC3 7.5	FC3 7.5	FC3 7.5	FC8 13	FC3 7.5	FC8 13	FC3 7.5	FC8 13	
Type of Filter Cleaning		Self-cleaning													
Compressed Air Pressure	bar	6-8													
Compressed Air Consumption		0.5										0.5/1.5			
- with filter cleaning	NI/cycle*	1.2	-	1.2	-	1.2	2.14	2.14	2.14	-	2.14	-	-	-	
	Nm ³ /h	-	-	-	-	-	-	-	-	1	-	1	-	1	
- without filter cleaning	NI/cycle*	-	-	-	-	-	0.34	0.34	0.34	-	0.34	-	-	-	
Dimensions WxDxH (mm)	Filter FC1	381x540x1137						-	-	-	-	-	-	-	
	Filter FZ1	417x473x770				-	-	-	-	-	-	-	-		
	Filter FC3	-	-	673x700x2021		685x796x2114	717x783x2112	717x857x2112	-	-	-	-			
	Filter FC8	-	-	-	-	-	1006x1760x2738	1006x1781x2738	1061x2404x2738	-	-	-			
Weight	kg	30		40		60	140	190	210	230	230	300			

* NI/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.

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