

The suction units of the PM series with powers from 3 to 30 kW are used in pneumatic conveying systems for throughputs of up to 4500 kg/h over distances of up to 200m. They are installed in centralized feeding Matrix systems.



TECHNICAL SPECIFICATIONS:

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

ACCESSORIES:

- Pressure gauge for clogged filter alarm.
- SPEED CONTROL function.

ADDED VALUE:

- **VERSATILE**
The suction units can be integrated in a centralized MATRIX system or Siemens PLC.
- **EFFICIENT**
The SPEED CONTROL function with inverter and pressure transducer automatically adjusts the conveyance speed preventing the deterioration of the polymer and resulting in energy efficiency.



One side-channel pump

Power 3kW
Distance 0-60m



Two side-channel pump

Power 5-20kW
Distance 10-100m



Three side-channel pump

Power 5kW
Distance 10-150m



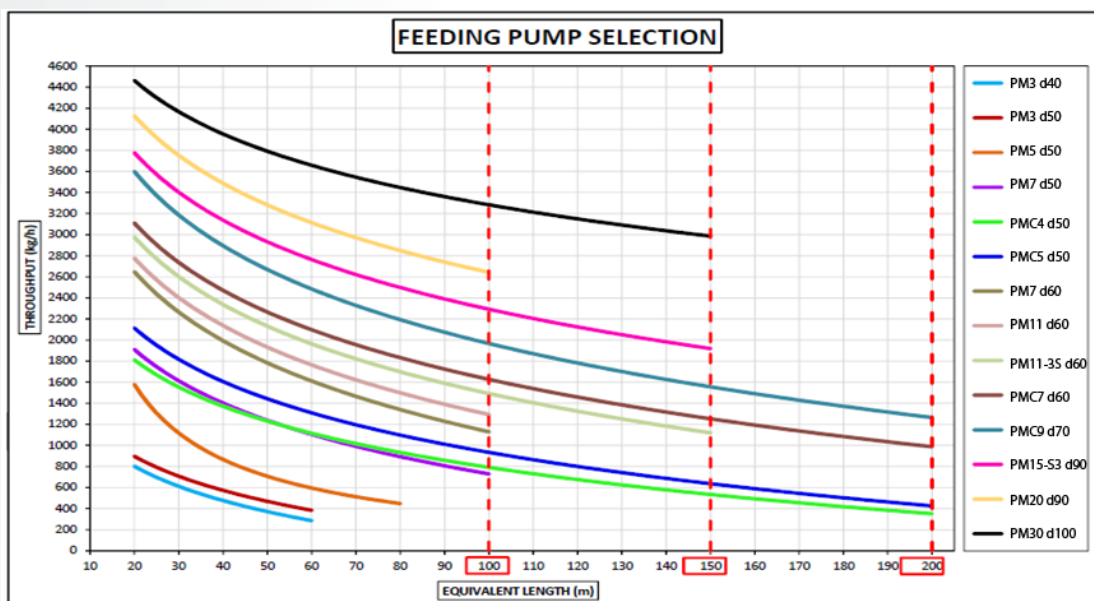
Sound-proofed three-lobe pump

Power 30kW
Distance 10-150m



Cam pump

Power 4-9kW
Distance 10-200m



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

TECHNICAL DATA		PM3	PMC4	PM5	PMC5	PM7	PMC7	PMC9	PM11	PM15	PM20	PM30					
Maximum suction capacity*	kg/h	400	1000	600	1000	1200	1800	2200	1500	2500	2800	3400					
Power	kW	3	4	5.5	5.5	7.5	7.5	9	11	15	20	30					
Maximum vacuum	kPa	26	70	43	70	40	70	70	43	60	50	50					
Noise level	dB(A)	70	<80														
Vacuum line Ø	mm	40/50	40/50	40/50	40/50	60/70	60/70	60/70	60/70	70/89	89/100	100/127					
Filter	model	FC1	FC3	FC3	FC3	FC3	FC3	FC3	FC3	FC3	FC3	FC3	FC8	FC8	FC8	FC8	FC8
Filtering surface	m ²	2.9	7.5	7.5	7.5	7.5	7.5	13	7.5	7.5	7.5	13	13	13	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	6-8	6-8	6-8	6-8	6-8	6-8	6-8	6-8	
Compressed-air consumption	Nl/cycle**	1.2	2.14	2.14	2.14	2.14	2.14	-	2.14	2.14	2.14	-	-	-	-	-	
	Nm ³ /h	-	-	-	-	-	-	1	-	-	-	1	1	1	1	1	
	Nl/cycle**	-	0.34	0.34	0.34	0.34	0.34	-	0.34	0.34	0.34	-	-	-	-	-	
Voltage/Frequency	V/Hz	400/50-60															
Weight	kg	60	140	220	190	250	210	280	300	230	300	500	550				

* 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.

** 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.

TECHNICAL DATA		PM3	PM5	PM7	PM11	PM15	PM20	PM30
Dimensions WxDxH	FC1	381x540x1137	-	-	-	-	-	-
	FC3	673x700x2021	685x796x2114	717x783x2112	717x857x2112	-	-	-
	FC8	-	-	1006x1760x2738	1006x1781x2738	1061x2404x2738	1200x1893x2748	-

TECHNICAL DATA		PMC4	PMC5	PMC7	PMC9
Dimensions WxDxH	FC3	673x1600x2112	673x1500x2112	700x1567x2112	700x1567x2112