

Depureco PUMA FIX



PUMA FIX is a series of stationary industrial vacuum cleaners designed for centralized systems. All seven models share the same robust platform -- 840 x 1700 mm footprint, 175 L steel bin, 4 cartridge filters in class M -- and differ only in motor power and performance balance. P variants prioritise high air flow (suitable for many simultaneous suction points or long pipework), while S variants prioritise high vacuum (suitable for fine dust or long hose runs). Models 10, 18 and 25 are delivered without P/S variants -- they are optimised for balanced performance in their power class.

Application areas

- Powders and fine dust
- Solid materials
- Metal shavings and drilling waste
- Continuous production environments with multiple suction points
- Centralized systems sized for process duration and concurrent users

Models and specifications

P variants are optimised for high air flow; S variants for high vacuum.

Specification	PUMA FIX 10	PUMA FIX 15 P P variant: high air flow	PUMA FIX 15 S S variant: high vacuum
Max air flow	730 m ³ /h	950 m ³ /h	550 m ³ /h
Vacuum (continuous)	260 mBar	300 mBar	440 mBar
Motor	7.5 kW	11 kW	11 kW
Motor (HP)	10 HP	15 HP	15 HP
Motor type	Side channel blower	Side channel blower	Side channel blower
Voltage	400 V	400 V	400 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Insulation class	F (IP55)	F (IP55)	F (IP55)
Sound pressure	74 dB(A)	74 dB(A)	74 dB(A)
Suction inlet	100 mm Ø	100 mm Ø	100 mm Ø
Collection system	Steel container	Steel container	Steel container
Container	175 L	175 L	175 L
Dimensions (LxWxH)	840 x 1700 x 1970 mm	840 x 1700 x 1970 mm	840 x 1700 x 1970 mm
Safety valve	Pressure relief valve	Pressure relief valve	Pressure relief valve
Forklift support	Included	Included	Included
Remote control	Free connector available	Free connector available	Free connector available
Electrical panel	Included	Included	Included
Filter count	4	4	4
Filter surface	120.000 cm ²	120.000 cm ²	120.000 cm ²
Filter class	M (EN 60335-2-69)	M (EN 60335-2-69)	M (EN 60335-2-69)
Filter media	Antistatic polyester	Antistatic polyester	Antistatic polyester
Cleaning system	Automatic SP (reverse air flow 6 bar)	Automatic SP (reverse air flow 6 bar)	Automatic SP (reverse air flow 6 bar)

Specification	PUMA FIX 18 P P variant: high air flow	PUMA FIX 18 S S variant: high vacuum	PUMA FIX 20	PUMA FIX 25
Max air flow	1120 m ³ /h	720 m ³ /h	950 m ³ /h	1380 m ³ /h
Vacuum (continuous)	290 mBar	530 mBar	350 mBar	320 mBar
Motor	12.5 kW	15 kW	15 kW	18.5 kW
Motor (HP)	18 HP	20 HP	20 HP	25 HP

Specification	PUMA FIX 18 P	PUMA FIX 18 S	PUMA FIX 20	PUMA FIX 25
	P variant: high air flow	S variant: high vacuum		
Motor type	Side channel blower	Side channel blower	Side channel blower	Side channel blower
Voltage	400 V	400 V	400 V	400 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Insulation class	F (IP55)	F (IP55)	F (IP55)	F (IP55)
Sound pressure	74 dB(A)	74 dB(A)	74 dB(A)	74 dB(A)
Suction inlet	100 mm Ø	100 mm Ø	100 mm Ø	100 mm Ø
Collection system	Steel container	Steel container	Steel container	Steel container
Container	175 L	175 L	175 L	175 L
Dimensions (LxWxH)	840 x 1700 x 1970 mm	840 x 1700 x 1970 mm	840 x 1700 x 1970 mm	840 x 1700 x 1970 mm
Safety valve	Pressure relief valve	Pressure relief valve	Pressure relief valve	Pressure relief valve
Forklift support	Included	Included	Included	Included
Remote control	Free connector available	Free connector available	Free connector available	Free connector available
Electrical panel	Included	Included	Included	Included
Filter count	4	4	4	4
Filter surface	120.000 cm ²	120.000 cm ²	120.000 cm ²	120.000 cm ²
Filter class	M (EN 60335-2-69)	M (EN 60335-2-69)	M (EN 60335-2-69)	M (EN 60335-2-69)
Filter media	Antistatic polyester	Antistatic polyester	Antistatic polyester	Antistatic polyester
Cleaning system	Automatic SP (reverse air flow 6 bar)	Automatic SP (reverse air flow 6 bar)	Automatic SP (reverse air flow 6 bar)	Automatic SP (reverse air flow 6 bar)

FAQ

How do I choose between P and S variants?

P variants offer higher air flow (m³/h) at lower vacuum and are optimised for many simultaneous users or long pipework. S variants offer lower air flow but higher vacuum and are suited for fine dust or long hose runs. Our team will size the system based on your project.

Can PUMA FIX be used in ATEX zones?

No, the standard version is not ATEX certified. For zone 22 dust environments, there is a sister series PUMA FIX 3D Z22 with the same base performance but certified for zone 22 (3D). See the separate category page.

How many simultaneous users can PUMA FIX support?

It depends on the model's air flow, outlet size, hose length and collected material. As a rule of thumb: PUMA FIX 10-15 supports 1-2 users, 18-20 supports 2-3 users, and 25 supports 3-4 users at DN50 outlets. Contact Particulair for project sizing.

Which filter media are available?

Standard delivery includes 4 antistatic polyester cartridges in filtration class M (EN 60335-2-69). HEPA 14 (EN 1822, H14 class, 110,000 cm² glass fibre) is available as an option for absolute filtration.

Is there a stainless steel version for food or chemical environments?

Yes -- two stainless variants are offered on all PUMA FIX models: BX (stainless AISI 304 bin) and GX (stainless AISI 304 bin and chamber). Both retain identical performance and dimensions.

Contact

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