

Puma

Vacuum Boosters WP 0700/1000 D2/D4



Higher pumping speed and improved ultimate pressure: Puma WP vacuum boosters increase the performance of your vacuum system, making it more efficient and economical. Available in nine different sizes, Puma WP vacuum boosters can be designed to perfectly suit all rough and medium vacuum applications in which the performance of the forepump must be drastically increased or optimally adapted to the process. The Puma models WP 0700 D to WP 1000 D are the medium-sized vacuum boosters in this series. The WP 1000 D4 version is characterised by a particularly high differential pressure.

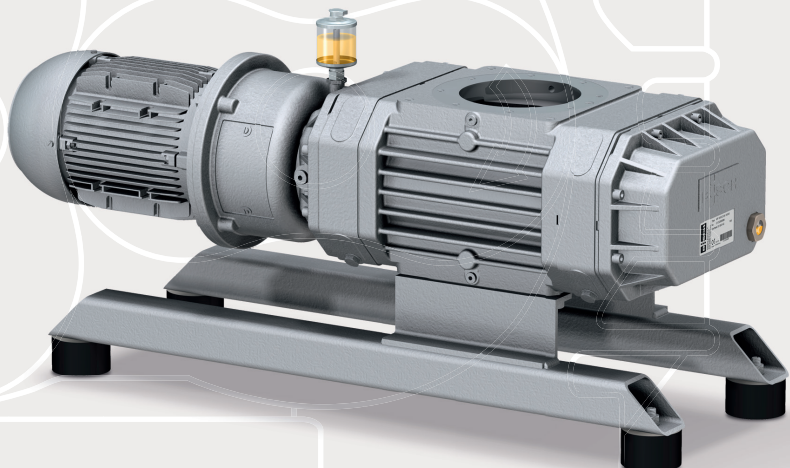
Puma WP vacuum boosters are perfect booster pumps for all types of forepumps. When used in combination of forepump and booster pump together, they are capable of increasing the pumping speed and ultimate pressure by a factor of 10. As a result, these pump combinations can generate a suction performance which would otherwise only be possible with a large number of forepumps.

The Puma WP can be controlled using a pressure switch that activates the vacuum booster of the forepump if it has achieved the optimum pressure. Alternatively, the Puma WP is also available in versions that are controlled by frequency converters.

Puma WP vacuum boosters can be flanged directly onto the forepump or at any other position on the system.



Puma – the economical performance optimiser.



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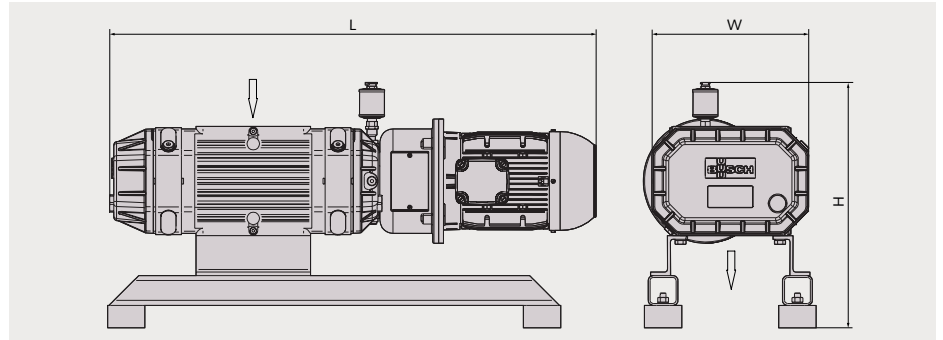
Technical specifications

Within the housing of Puma WP vacuum boosters, two pistons rotate synchronously. Thanks to the special profile of the rotating pistons and their precise manufacturing, they do not come into contact with each other or the housing. This makes it possible to pump a medium without the need of any operating fluids. The synchronous rotation of the two rolling pistons is driven by a pair of gear wheels located on the shaft ends in the gearbox and separated from the compression chamber. The vacuum boosters are driven by a directly flanged electric motor of efficiency class IE2.

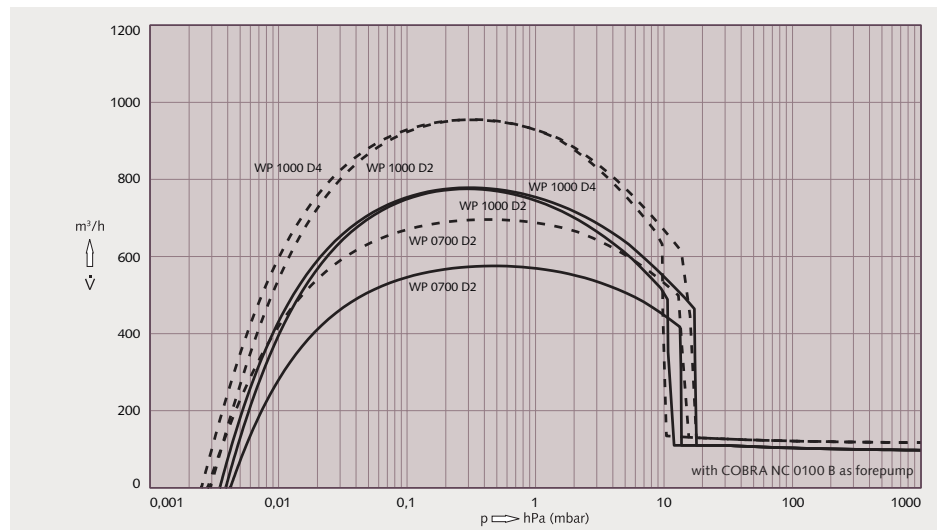
Vacuum boosters from Busch

In addition to the Puma WP series, Busch also manufactures other vacuum boosters in a range of sizes. When used on vacuum systems, these cover virtually all applications in industry, as well as the research and science sectors. Contact us. Our application specialists are happy to advise you.

Puma WP 0700/1000 D2/D4



Pumping speed Air at 20 °C. Tolerance: ± 10% — 50 Hz - - - - 60 Hz



Technical Data			WP 0700 D	WP 1000 D2	WP 1000 D4
Nominal pumping speed	50 Hz / 60 Hz	m ³ /h	705 / 845	1035 / 1240	1010 / 1220
Max. pressure differential	50 Hz / 60 Hz	hPa (mbar)	50	50	80
Nominal motor rating	50 Hz / 60 Hz	kW	3.5 / 4.8	3.5 / 4.8	3.0 / 4.2
Nominal motor speed	50 Hz / 60 Hz	min ⁻¹	3000 / 3600	3000 / 3600	1500 / 1800
Weight approx.		kg	191	191	320
Dimensions	L x W x H	mm	905 x 315 x 494	995 x 315 x 494	1195 x 390 x 605
Gas inlet / outlet		ISO-F	DN 100 / DN 160	DN 160 / DN 160	DN 160 / DN 160

Busch Vacuum Kft.

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Technical data is subject to change. Created in Germany 09/2015