UltiDry P1220-P3020

Multi-stage roots vacuum pumps

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP



Cost-efficient

Low power consumption, innovative and patented purge injection system to reduce N_2 and H_2O requirements

Wide thermal range

Widest thermal range on the market, from 50°C up to 270°C

Robust

Extended lifetime on harsh applications thanks to new innovative design: improved powder management, increased corrosion resistance, enhanced thermal profile

Accessories, spare parts and options

- iN: nickel coating solution
- iN+ with double barrier 3D seals
- High temperature and corrosion resistant seals
- External check valve
- Silencer
- EtherCAT communication
- NFC communication
- High or low voltage versions
- Cold, standard and hot versions

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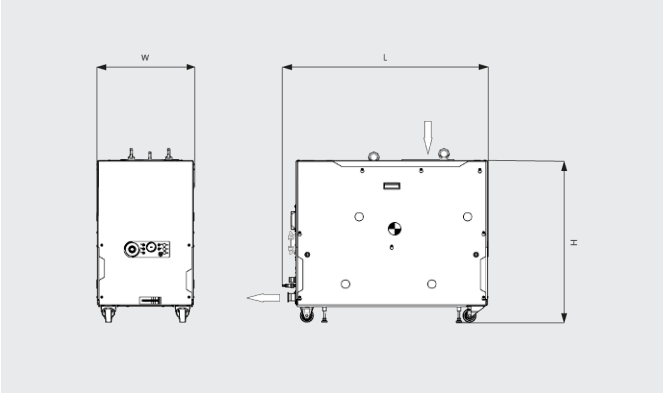
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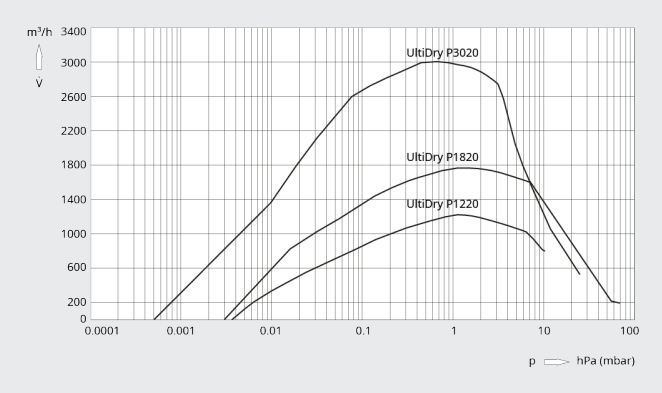
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10%



	UltiDry P1220	UltiDry P1820	UltiDry P3020
Max. pumping speed	1200 m^3/h	1800 m^3/h	3000 m^3/h
Ultimate pressure	$3.5 \cdot 10^{-3}$ mbar	$1.1 \cdot 10^{-3}$ mbar	$5.3 \cdot 10^{-4}$ mbar
Ultimate pressure with 20 slm of purge	$6 \cdot 10^{-3}$ mbar	$3.8 \cdot 10^{-3}$ mbar	$8.5 \cdot 10^{-4}$ mbar
Power consumption at ultimate pressure	2.65 kW	2.65 kW	2.55 kW
Power supply	210-230 V/420-480 V three-phase ±10%	210-230 V/420-480 V three-phase ±10% V (100 Hz)	210-230 V/420-480 V three-phase ±10% V (100 Hz)
Max. inlet flow	110 slm	160 slm	130 slm
Max. continuous inlet flow	80 slm	120 slm	110 slm
Water cooling	2.5-5 l/min	2.5-5 l/min	2.5-5 l/min
N2 purge flow	20-80 slm	20-80 slm	20-80 slm
Sound pressure level	<66 db(A)	<66 db(A)	<66 db(A)
Weight approx.	447 kg	510 kg	750 kg
Dimensions (L x W x H)	983 x 388 x 827 mm	983 x 388 x 827 mm	1143 x 545 x 923 mm
Footprint	0.35 m^2	0.35 m^2	0.59 m^2
Inlet / Exhaust flange	DN 100 ISO-K / DN 40 ISO-KF	DN 160 ISO-K / DN 40 ISO-KF	DN 160 ISO-K / DN 40 ISO-KF

Technical data / Specifications may vary depending on configuration, selected accessories, installation, and operating conditions.

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

CONTACT FORM

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