SplitFlow 350

Turbomolecular vacuum pumps

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP



High performance

High gas throughput, reduced power consumption, integrated sensor system for maximum safety

Reliable

High temperature resistance, extremely robust thanks to hybrid bearing

Efficient

Cost-efficient thanks to continuous filtration of the lubricant

Accessories, spare parts and options

- Power supply kit and display unit
- Mounting kit
- Venting accessories
- Safety valve
- Power failure venting unit
- Electrical adapter
- Mains cable
- Connecting cable

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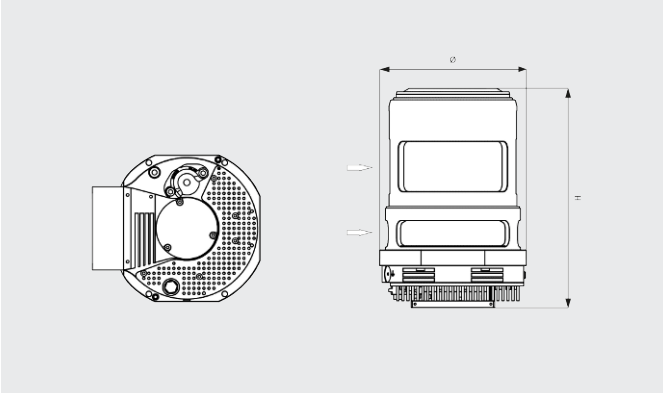
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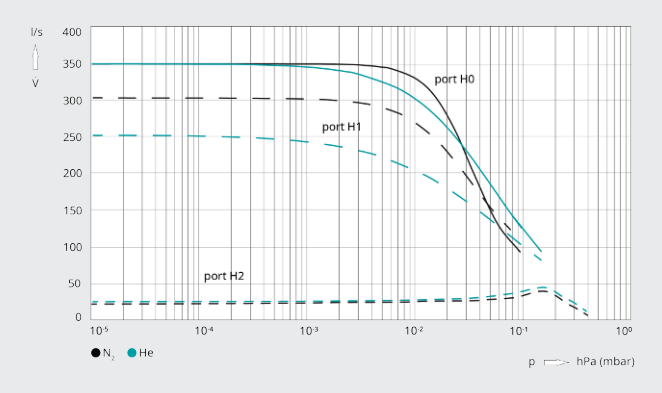
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10%



	SplitFlow 350
Pumping speed for He ("H0") (external)	350 l/s
Pumping speed for He ("H0") (internal)	450 l/s
Pumping speed for He ("H1") (external)	250 l/s
Pumping speed for He ("H1") (internal)	280 l/s
Pumping speed for He ("H2") (external)	45 l/s
Pumping speed for He ("H2") (internal)	50 l/s
Pumping speed for N_2 ("H0") (external)	350 l/s
Pumping speed for N_2 ("H0") (internal)	450 l/s
Pumping speed for N_2 ("H1") (external)	300 l/s
Pumping speed for N_2 ("H1") (internal)	370 l/s
Pumping speed for N_2 ("H2") (external)	40 l/s
Pumping speed for N_2 ("H2") (internal)	45 l/s
Ultimate pressure	$1 \cdot 10^{-7}$ hPa
Compression ratio ("FV"/"H0") for He	$1 \cdot 10^{8}$
Compression ratio ("FV"/"H0") for N_2	$1 \cdot 10^{9}$
Compression ratio ("H1"/"H0") for He	50

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Compression ratio ("H1"/"H0") for N_2	$1.5 \cdot 10^4$
Compression ratio ("H2"/"H1") for N_2	$1.5 \cdot 10^5$
Compression ratio ("H2"/"H1") for He	$1 \cdot 10^2$
Gas throughput at full rotational speed for He ("H0")	7.3 hPa · l/s
Gas throughput at full rotational speed for He ("H1")	10 hPa · l/s
Gas throughput at full rotational speed for He ("H2")	22 hPa · l/s
Gas throughput at full rotational speed for N_2 ("H0")	2 hPa · l/s
Gas throughput at full rotational speed for N_2 ("H1")	3 hPa · l/s
Gas throughput at full rotational speed for N_2 ("H2")	8 hPa · l/s
Rotation speed ±2 %	66000 rpm
Rotation speed variable	60-100 %
Fore-vacuum max. for N_2	10 hPa
I/O Interfaces	RS485, Remote
Port size H0	D = 136.5 mm
Port size H1	601 · 130.4 mm
Port size H2	31.5 · 135.5 mm
Run-up time	6 min
Protection degree	IP44, Type 12
Input Voltage	24 V DC (±10 %)
Bearing	hybrid
Mounting orientation	arbitrary
Sound pressure level (EN ISO 2151)	50 dB(A)
Weight approx.	7.6 kg
Flange (out)	DN 16 ISO-KF

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!

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