

SplitFlow 350

Turbomolecular vacuum pumps

PFEIFFER 
VACUUM+FAB SOLUTIONS

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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

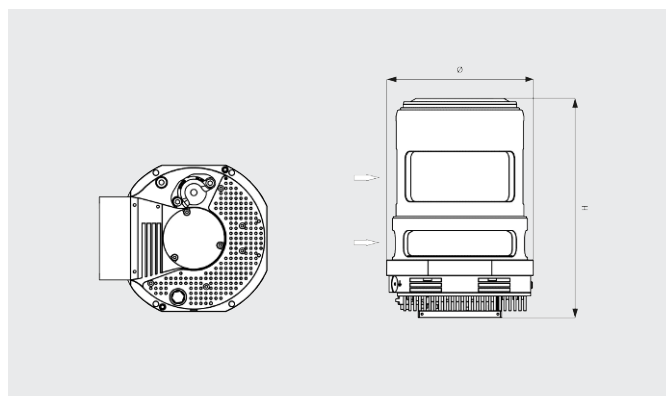
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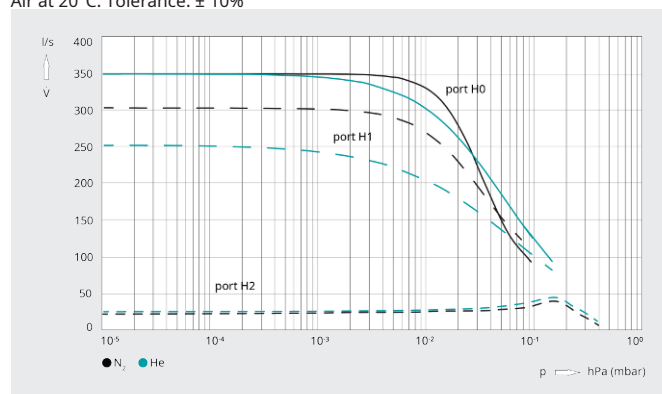
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$



SplitFlow 350	
Pumping speed for He ("H0") (extern)	350 l/s
Pumping speed for He ("H0") (intern)	450 l/s
Pumping speed for He ("H1") (extern)	250 l/s
Pumping speed for He ("H1") (intern)	280 l/s
Pumping speed for He ("H2") (extern)	45 l/s
Pumping speed for He ("H2") (intern)	50 l/s
Pumping speed for N ₂ ("H0") (extern)	350 l/s
Pumping speed for N ₂ ("H0") (intern)	450 l/s
Pumping speed for N ₂ ("H1") (extern)	300 l/s
Pumping speed for N ₂ ("H1") (intern)	370 l/s
Pumping speed for N ₂ ("H2") (extern)	40 l/s
Pumping speed for N ₂ ("H2") (intern)	45 l/s
Ultimate pressure	1 · 10 ⁻⁷ hPa
Compression ratio ("FV"/"H0") for He	1 · 10 ⁸
Compression ratio ("FV"/"H0") for N ₂	1 · 10 ⁹
Compression ratio ("H1"/"H0") for He	50

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SplitFlow 350	
Compression ratio ("H1"/"H0") for N ₂	1.5 · 10 ⁴
Compression ratio ("H2"/"H1") for N ₂	1.5 · 10 ⁵
Compression ratio ("H2"/"H1") for He	1 · 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, G 3/8"

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!



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