HiPace 350/450

Turbomolecular vacuum pumps

Reliable

Best-in-class hybrid bearing technology, superior bearing lubrication for long life cycle

High performance

Optimized rotor geometry, enhanced gas load handling

Quiet

Low noise and vibration levels thanks to patented laser balancing technology, perfectly suited for vibration-sensitive applications

Accessories

- Electrical adapter
- Mains cable
- Connecting cable
- Various fieldbus systems
- Power supply kit and display unit
- Mounting kit
- Safety valve
- Venting accessories
- Power failure venting unit
- Vibration damper

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Dimensional drawing

Pumping speed

The following technical values refer to ISO Hz

	HiPace 350, DN 100 ISO-K	HiPace 450, DN 160 ISO-K
Pumping speed for Ar	270 l/s	350 l/s
Pumping speed for He	350 l/s	380 l/s
Pumping speed for H#	300 l/s	330 l/s
Pumping speed for N#	300 l/s	380 l/s
Compression ratio for Ar	$1 \cdot 10^{11}$	$1 \cdot 10^{11}$
Compression ratio for He	$1 \cdot 10^{8}$	$1 \cdot 10^{8}$
Compression ratio for H#	$2 \cdot 10^{6}$	$2 \cdot 10^{6}$
Compression ratio for N#	$1 \cdot 10^{11}$	$1 \cdot 10^{11}$
Gas throughput at final rotational speed for Ar	0.7 hPa l/s	0.7 hPa l/s
Gas throughput at final rotational speed for He	7 hPa l/s	7 hPa l/s
Gas throughput at final rotational speed for H#	11 hPa l/s	11 hPa l/s
Gas throughput at final rotational speed for N#	2 hPa l/s	2 hPa l/s
Forevacuum max. for N#	10 hPa	10 hPa
Run-up time	5.3 min	5.3 min
Communication interfaces optional	Profibus, Profinet, Ethercat, Devicenet,Semi E74	Ethercat and Profinet via CIP Adapter
Communication interfaces standard	RS-485, remote	RS-485, remote
Mounting orientation	arbitrary	arbitrary
Sound pressure level (EN ISO 2151)	50 dBA	50 dBA
Weight approx.	7.2 kg	7 kg
Gas inlet	DN 100 ISO-K/ISO-F/CF-F	DN 160 ISO-K/ISO-F/CF-F
Gas outlet	DN 16 ISO-KF /G 3/8"	DN 16 ISO-KF /G 3/8"

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