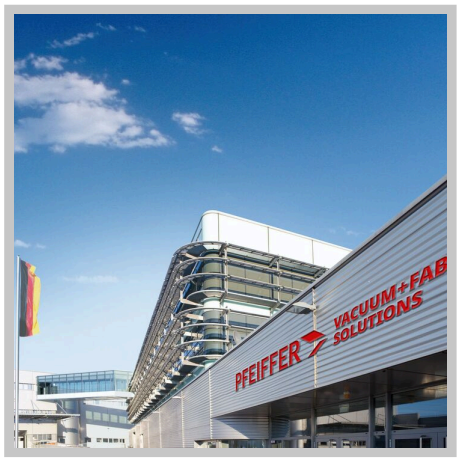








HiPace® 300 for TCP 350, DN 100 ISO-K

PFEIFFER

HiPace® 300

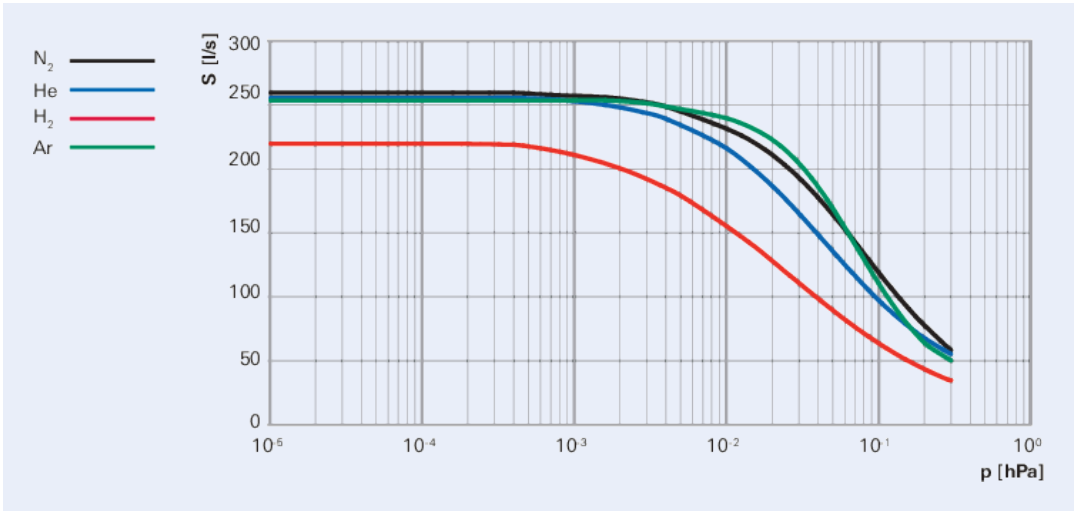


Illustration only

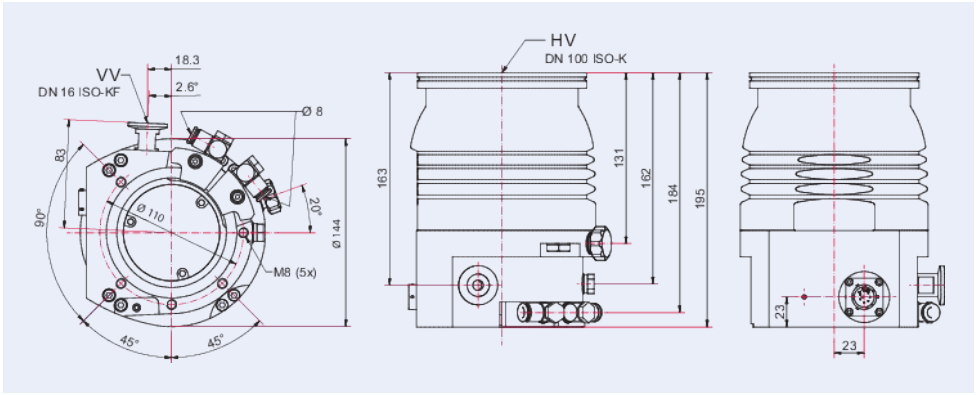
HiPace® 300 for TCP 350, DN 100 ISO-K

- Rugged, powerful turbopump with a pumping speed of up to 260 l/s for N_2
- For external TCP 350 drive electronics
- For installation in any orientation
- Ideal for applications that require separate installation of pump and drive
- Extensive accessories expand the range of applications

Characteristics



Dimensions


VV
DN 16 ISO-KF
18.3
2.6°
Ø 8
83
90°
Ø 110
20°
Ø 144
M8 (5x)
45°
45°
HV
DN 100 ISO-K
163
131
162
184
195
23
23

Technical Data	HiPace® 300 for TCP 350, DN 100 ISO-K
Connection flange (out)	DN 16 ISO-KF/G ¼"
Connection flange (in)	DN 100 ISO-K
Electronic drive unit	TCP 350
Type of electronic drive unit installation	External drive electronics
Rotation speed ± 2 %	60,000 rpm
Rotation speed variable	35 – 100 %
Final pressure without gas ballast	$<1 \cdot 10^{-7}$ hPa
Final pressure without gas ballast	$<1 \cdot 10^{-7}$ hPa | $<7.5 \cdot 10^{-8}$ Torr | $<1 \cdot 10^{-7}$ mbar
Gas throughput at full rotational speed for Ar	4 hPa·l/s
Gas throughput at full rotational speed for H_2	>14 hPa·l/s
Gas throughput at full rotational speed for He	11 hPa·l/s
Gas throughput at full rotational speed for N_2	7 hPa·l/s
Weight	5.8 kg
Run-up time	2.5 min
Integral leakage rate	$<1 \cdot 10^{-8}$ Pa m³/s
Compression ratio for Ar	$>1 \cdot 10^{11}$
Compression ratio for H_2	$9 \cdot 10^{5}$
Compression ratio for He	$>1 \cdot 10^{8}$
Compression ratio for N_2	$>1 \cdot 10^{11}$
Cooling method	Water
Position of power supply pack	External power supply
Pumping speed for Ar	255 l/s
Pumping speed for H_2	220 l/s
Pumping speed for He	255 l/s
Pumping speed for N_2	260 l/s
Sound pressure level	≤50 dB(A)
Protection degree	IP54
Fore-vacuum max. for N_2	17 hPa
Permissible radial magnetic field max.	5.5 mT
Emission sound pressure level (EN ISO 2151) level 1	≤50 dB(A)
Final pressure according to PNEUROP	$<1 \cdot 10^{-7}$ hPa | $<7.5 \cdot 10^{-8}$ Torr | $<1 \cdot 10^{-7}$ mbar

Order number	HiPace® 300 for TCP 350, DN 100 ISO-K
HiPace® 300 for TCP 350, DN 100 ISO-K	PM P03 993







Are you looking for an optimum vacuum solution?

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Or scan the barcode, to visit our web page:

https://webportal.pfeiffer-vacuum.com/global/en/contact

Errors and/or changes excepted. - 2/21/2025

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