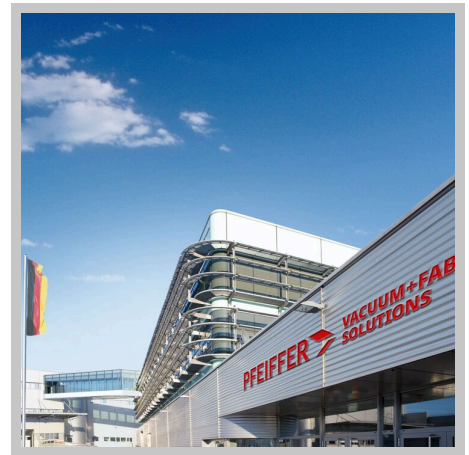




**HiPace® 300 with TC
110, DN 100 ISO-K, G 1/4"**

PFEIFFER

HiPace® 300

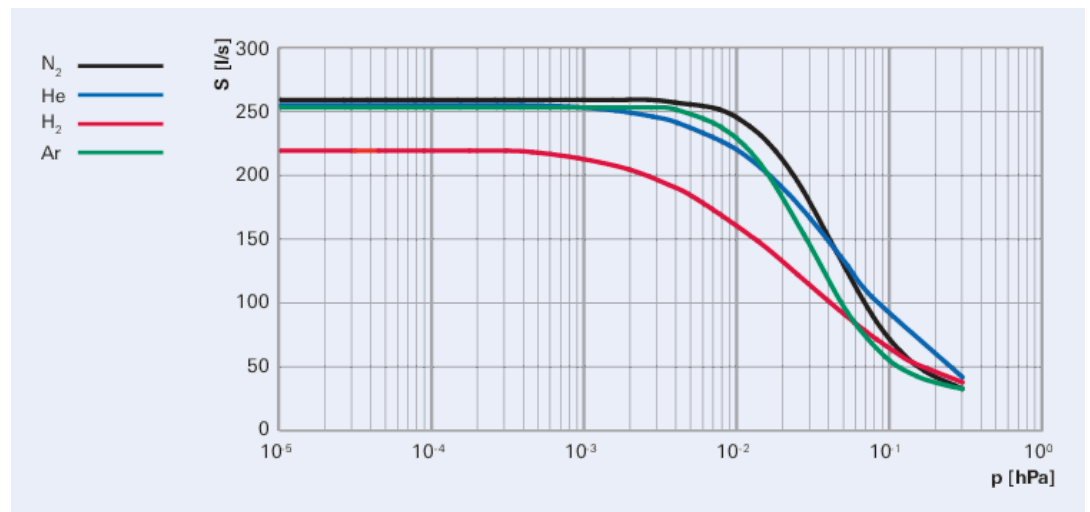


Illustration only

HiPace® 300 with TC 110, DN 100 ISO-K, G ¼"

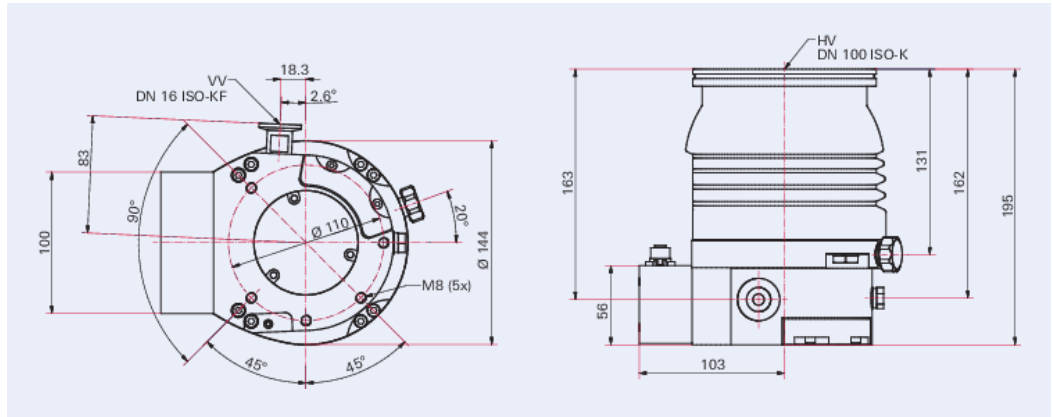
- Rugged, powerful turbopump with a pumping speed of up to 260 l/s for N₂
- TC 110 integrated electronic drive unit
- Ideal for analytical and industrial applications
- For installation in any orientation
- Extensive accessories expand the range of applications

Characteristics



HiPace® 300

Dimensions



HiPace® 300

Technical Data	HiPace® 300 with TC 110, DN 100 ISO-K, G ¼"
Electronic drive unit	TC 110
Type of electronic drive unit installation	Integrated electronic drive unit
Position of power supply pack	External power supply pack
Cooling method	Natural convection
Pumping speed	792 – 936 m³/h
Pumping speed category	1080 m³/h
Pumping speed for He	255 l/s
Pumping speed for N ₂	260 l/s
Vacuum range min	1 · 10 ⁻⁷ hPa
Vacuum range max	1 · 10 ⁻⁷ hPa
I/O interfaces	RS-485, Remote
Cooling water temperature	15 – 35 °C
Interfaces, extended	Profibus DeviceNet E74
Venting connection	G 1/8"
Bearing	Hybrid
Cooling method, optional	Air (forced convection) Water
Current max.	7.5 A
Mounting orientation	Arbitrary
Temperature: Storage, max	55 °C
Temperature: Storage, min	-20 °C
Pumping speed for Ar	255 l/s
Pumping speed for H ₂	220 l/s
Input voltage(s)	24 V DC (±10 %)
Emission sound pressure level (EN ISO 2151)	≤50 dB(A)
Gas throughput at final rotation speed for H ₂	14 hPa·l/s
Gas throughput at final rotation speed for He	8 hPa·l/s
Run-up time	3.5 min
Compression ratio for Ar	1 · 10 ¹¹
Compression ratio for H ₂	9 · 10 ⁵
Compression ratio for He	1 · 10 ⁸
Compression ratio for N ₂	1 · 10 ¹¹
Gas throughput at final rotation speed for N ₂	5 hPa·l/s
Gas throughput at final rotation speed for Ar	2 hPa·l/s
Fore-vacuum max. for N ₂	15 hPa 11.25 Torr 15 mbar
Pumping speed for He	255 l/s

HiPace® 300

Pumping speed for N ₂	260 l/s
Rotation speed ±2 %	60,000 rpm 60,000 min ⁻¹
Pumping speed for Ar	255 l/s
Pumping speed for H ₂	220 l/s
Compression ratio for N ₂	1 · 10 ¹¹
Compression ratio for H ₂	9 · 10 ⁵
Compression ratio for He	1 · 10 ⁸
Compression ratio for Ar	1 · 10 ¹¹
Permissible radial magnetic field max.	5.5 mT
Fore-vacuum max. for N ₂	15 hPa
Cooling water flow	50 l/h
Power consumption max.	180 W
03 Vacuum range	High Vacuum Ultra-high Vacuum
Connection flange	DN 100 ISO-K / DN 16 ISO-KF G 1/4" Thread
Rotation speed variable	35 – 100 %
Rotation speed ± 2 %	60,000 rpm
Weight	6.2 kg
Connection flange (in)	DN 100 ISO-K
Connection flange (out)	DN 16 ISO-KF G ¼"

Order number	HiPace® 300 with TC 110, DN 100 ISO-K, G ¼"
HiPace® 300 with TC 110, DN 100 ISO-K, G ¼"	PM P03 990 C

Accessories	HiPace® 300 with TC 110, DN 100 ISO-K, G ¼"
Operating fluid reservoir for HiPace 300	PM 143 451 AT
TC 110 electronic drive unit for HiPace 10/80/300, TC/TM	PM C01 790 AE
TC 110 electronic drive unit for HiPace 10/80/300	PM C01 790 AT
Spare parts package 1, bearing for HiPace 300	PM E11 051 -T



Errors and/or changes excepted. - 9/30/2025

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