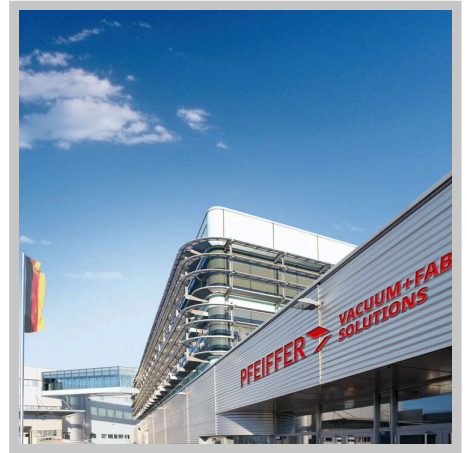




HiPace® 1200 UC with TC 1200, DN 200 ISO-F, corrosive



PFEIFFER ➤

HiPace® 1200 UC

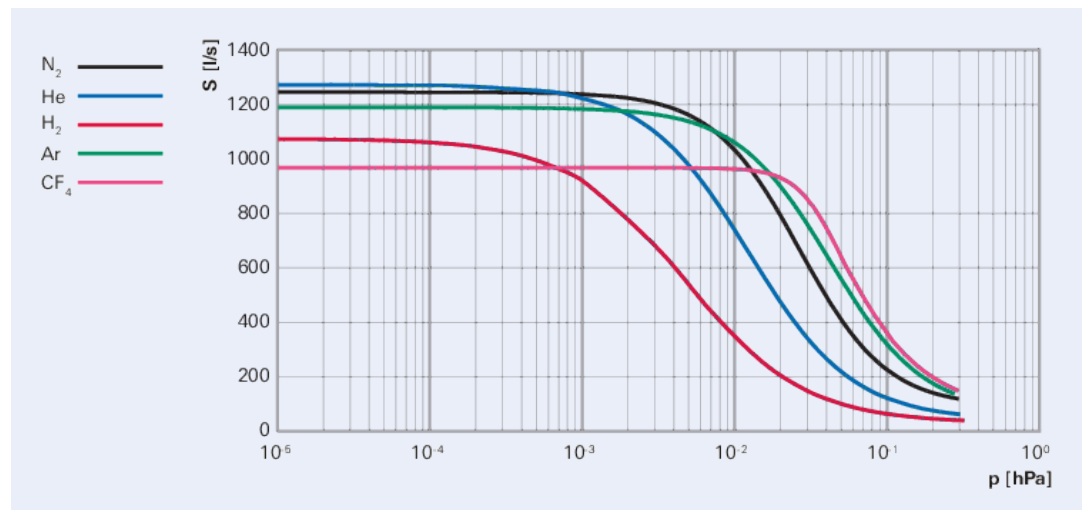


Illustration only

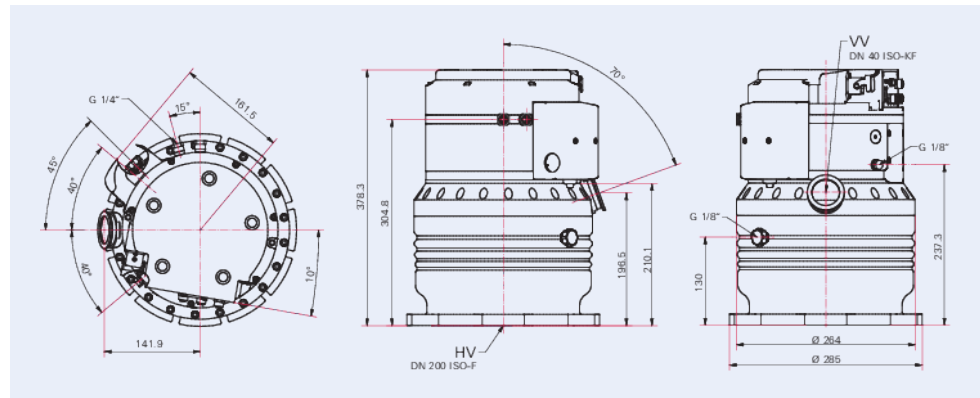
HiPace® 1200 UC with TC 1200, DN 200 ISO-F, corrosive

- Powerful turbopump with a pumping speed of up to 1250 l/s for N₂
- DN 200 ISO-F flange
- Integrated TC 1200 drive electronics with power supply
- Cooling: Water cooling
- Installation orientation: Upside-down (90° – 180°)
- Integrated sealing gas system with electric sealing gas valve 24 V DC
- Corrosive gas version
- Protection Class: IP54
- Interfaces: RS-485, Remote (Profibus/DeviceNet on request)
- Extensive accessories expand the range of applications

Characteristics



Dimensions



Technical Data**HiPace® 1200 UC with TC 1200, DN 200 ISO-F, corrosive**

Connection flange (out)	DN 40 ISO-KF
Connection flange (in)	DN 200 ISO-F
Electronic drive unit	TC 1200
Type of electronic drive unit installation	Integrated drive electronics
Rotation speed $\pm 2\%$	37,800 rpm
Rotation speed variable	50 – 100 %
I/O interfaces	RS-485, Remote
Input voltage(s)	100 – 120 / 200 – 240 V AC, 50/60 Hz
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	11 hPa·l/s
Gas throughput at full rotational speed for H ₂	>30 hPa·l/s
Gas throughput at full rotational speed for He	>30 hPa·l/s
Gas throughput at full rotational speed for N ₂	20 hPa·l/s
Weight	31.9 kg
Run-up time	2.5 min
Integral leakage rate	$<1 \cdot 10^{-8}$ Pa m ³ /s
Compression ratio for Ar	$>1 \cdot 10^8$
Compression ratio for H ₂	$6 \cdot 10^3$
Compression ratio for He	$2 \cdot 10^5$
Compression ratio for N ₂	$>1 \cdot 10^8$
Cooling method	Water
Power consumption max.	1,350 VA
Mains frequency compatibility	50 Hz 60 Hz
Position of power supply pack	Integrated power supply
Particle intake	Yes
Pumping speed for Ar	1,200 l/s
Pumping speed for H ₂	1,100 l/s
Pumping speed for He	1,300 l/s
Pumping speed for N ₂	1,250 l/s
Sound pressure level	≤ 50 dB(A)
Protection degree	IP54
Current max.	10 A
Fore-vacuum max. for N ₂	2 hPa
Permissible radial magnetic field max.	6 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® 1200 UC with TC 1200, DN 200 ISO-F,
corrosive**

HiPace® 1200 UC with TC 1200, DN 200 ISO-F, corrosive

PM P03 919



Errors and/or changes excepted. - 2/24/2025

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