



Pfeiffer HiPace 10

Technical Specifications

	HiPace® 10 with TC 110, DN 25
Bearing	Ball bearing
Compression ratio for Ar	$2.5 \cdot 10^7$
Compression ratio for H ₂	$3 \cdot 10^2$
Compression ratio for He	$3 \cdot 10^3$
Compression ratio for N ₂	$3 \cdot 10^6$
Cooling method, standard	Convection
Current max.	1,2 A
Electronic drive unit	with TC 110
Flange (in)	DN 25
Flange (out)	DN 16 ISO-KF/G 1/8"
Fore-vacuum max. for N ₂	25 hPa 18.75 Torr 25 mbar
Gas throughput at full rotational speed for Ar	0.37 hPa·l/s
Gas throughput at full rotational speed for H ₂	2.78 hPa·l/s
Gas throughput at full rotational speed for He	0.48 hPa·l/s
Gas throughput at full rotational speed for N ₂	0.37 hPa·l/s
I/O interfaces	RS-485, Remote
Mounting orientation	Any
Operating voltage: V DC	24 (± 5 %) V DC
Particulate matter	YES
Permissible radial magnetic field max.	3 mT
Power consumption max.	28.8 W
Protection category	IP54
Pumping speed for Ar	11.5 l/s
Pumping speed for H ₂	3.7 l/s
Pumping speed for He	6 l/s
Pumping speed for N ₂	10 l/s
Rotation speed ± 2 %	90,000 rpm 90,000 min ⁻¹
Rotation speed variable	50 – 100 %
Run-up time	0.9 min
Sound pressure level	<50 dB(A)
Ultimate pressure according to PNEUROP	< $5 \cdot 10^{-5}$ hPa < $3.75 \cdot 10^{-5}$ Torr < $5 \cdot 10^{-5}$ mbar
Ultimate pressure without gas ballast	< $5 \cdot 10^{-5}$ hPa < $3.75 \cdot 10^{-5}$ Torr < $5 \cdot 10^{-5}$ mbar
Weight	1.8 kg 3.97 lb



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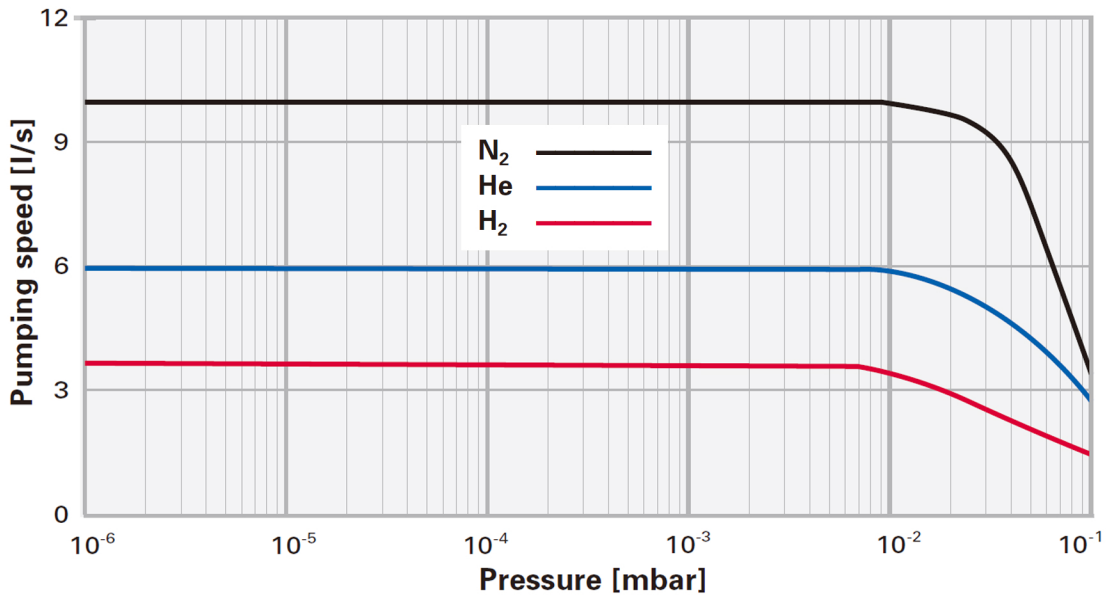
SALES

PHONE: 831-462-8900

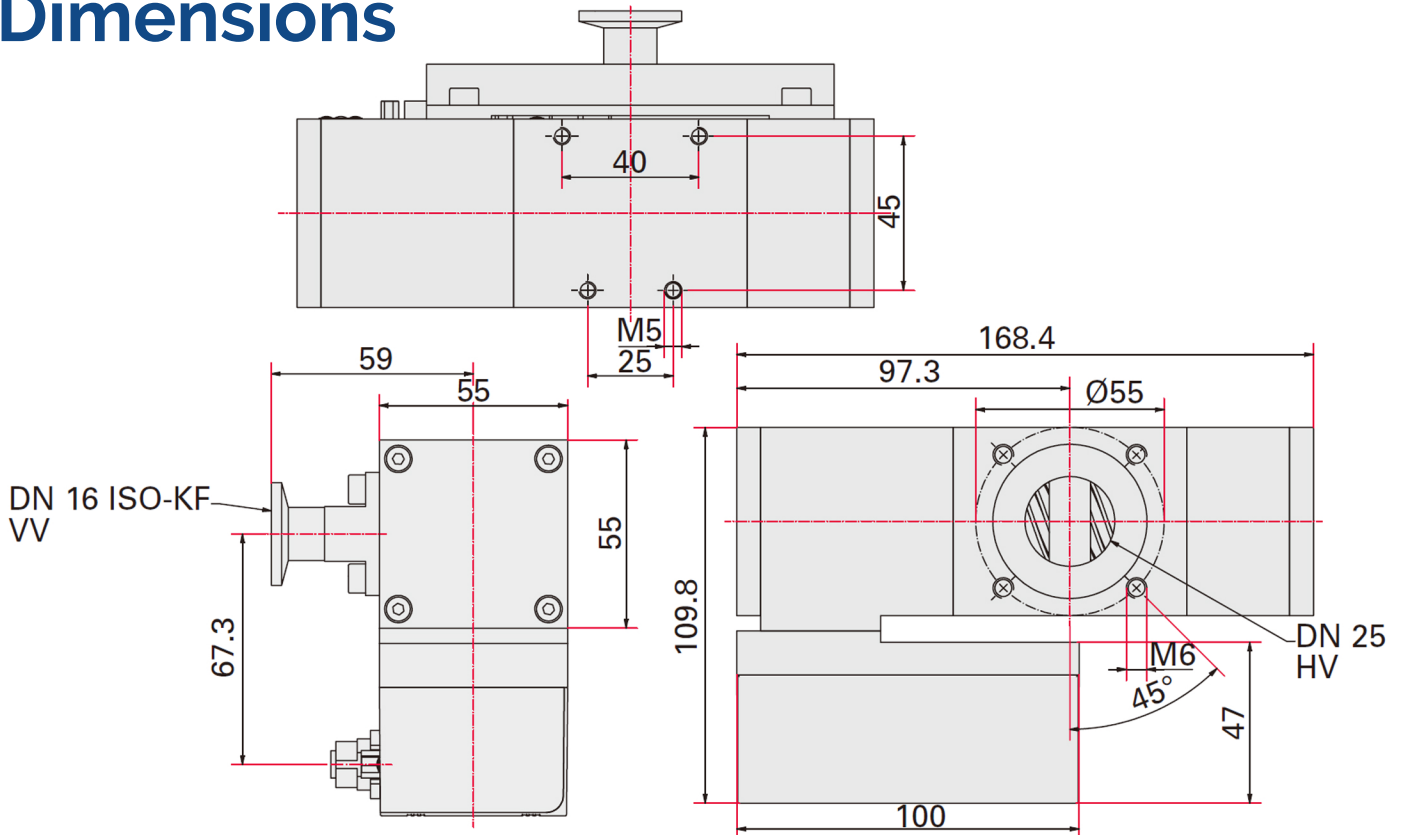
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Pfeiffer HiPace 10 Pumping Curves



Dimensions





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Features & Benefits

- higher pumping speeds, backing pump capability & gas throughputs
- protected against particulate matter or oxidizing gases
- integrated drive electronics reduce need for cables
- compact design makes for minimum footprint
- proven bearing system, improved rotor design
- expanded remote & sensor functionalities
- installation in any orientation
- reduced run-up time
- on-site bearing changes
- quiet operation

Applications

- electron microscopy • leak detection • mass spectrometry • surface analysis • residual gas analysis • medical technology • nano technology • bio technology

