



# HiPace® 700 Plus with TC 400, DN 160 ISO-K, G 1/4"

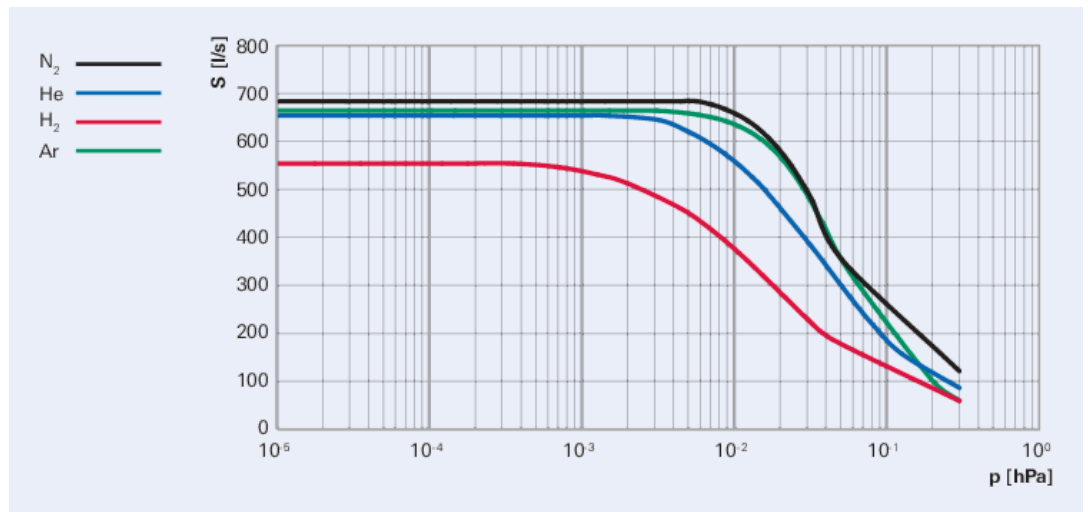


Illustration only

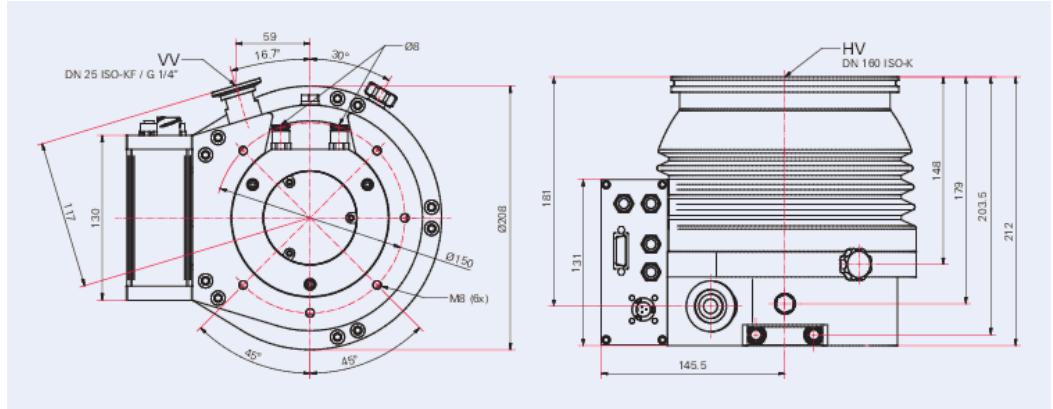
### HiPace® 700 Plus with TC 400, DN 160 ISO-K, G ¼"

- Compact yet powerful turbopump with a pumping speed of up to 685 l/s for N<sub>2</sub>
- TC 400 integrated electronic drive unit
- Low-vibration and low magnetic field - ideal for analyzers with exacting requirements
- Extensive accessories expand the range of applications

### Characteristics



## Dimensions



Technical Data	HiPace® 700 Plus with TC 400, DN 160 ISO-K, G ¼"
Connection flange (out)	DN 25 ISO-KF   G ¼"
Connection flange (in)	DN 160 ISO-K
Electronic drive unit	TC 400
Type of electronic drive unit installation	Integrated electronic drive unit
Rotation speed ± 2 %	49,200 rpm
Rotation speed variable	60 - 100 %
I/O interfaces	RS-485, Remote
Mounting orientation	0° (HV flange top)
Input voltage(s)	24 V DC (±10 %)
Final pressure without gas ballast	$1 \cdot 10^{-7}$ hPa
Gas throughput at full rotational speed for Ar	3.5 hPa·l/s
Gas throughput at full rotational speed for H <sub>2</sub>	>14 hPa·l/s
Gas throughput at full rotational speed for He	20 hPa·l/s
Gas throughput at full rotational speed for N <sub>2</sub>	6.5 hPa·l/s
Weight	11.5 kg
Run-up time	4 min
Integral leakage rate	$<1 \cdot 10^{-8}$ Pa m <sup>3</sup> /s
Compression ratio for Ar	$>1 \cdot 10^{11}$
Compression ratio for H <sub>2</sub>	$4 \cdot 10^5$
Compression ratio for He	$3 \cdot 10^7$
Compression ratio for N <sub>2</sub>	$>1 \cdot 10^{11}$
Cooling method	Water
Bearing	Hybrid
Power consumption max.	300 W
Position of power supply pack	External power supply pack
Pumping speed for Ar	665 l/s
Pumping speed for H <sub>2</sub>	555 l/s
Pumping speed for He	655 l/s
Pumping speed for N <sub>2</sub>	685 l/s
Sound pressure level	≤50 dB(A)
Protection degree	IP54   Type 12
Current max.	12.5 A
Fore-vacuum max. for N <sub>2</sub>	11 hPa
Permissible radial magnetic field max.	6 mT
Emission sound pressure level (EN ISO 2151) level 1	≤50 dB(A)

<b>Order number</b>	<b>HiPace® 700 Plus with TC 400, DN 160 ISO-K, G ¼"</b>
HiPace® 700 Plus with TC 400, DN 160 ISO-K, G ¼"	PM P04 440

<b>Accessories</b>	<b>HiPace® 700 Plus with TC 400, DN 160 ISO-K, G ¼"</b>
Operating fluid reservoir for HiPace 400/700	PM 143 452 AT
Spare parts package 1, bearing for HiPace 700 Plus	PM E11 025 -T



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