HiPace® 80 Neo with TC 80, DN 63 ISO-K

PFEIFFER

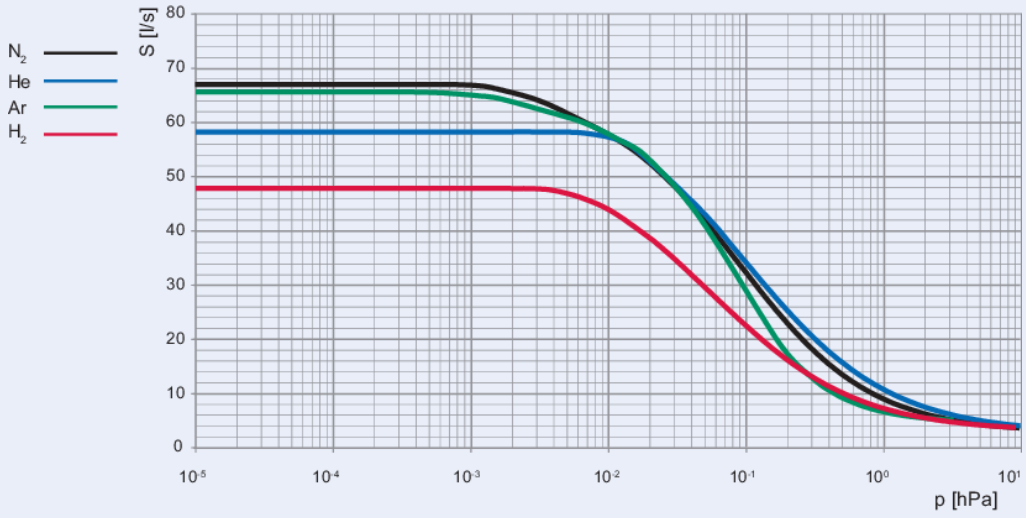
HiPace® 80 Neo

Illustration only

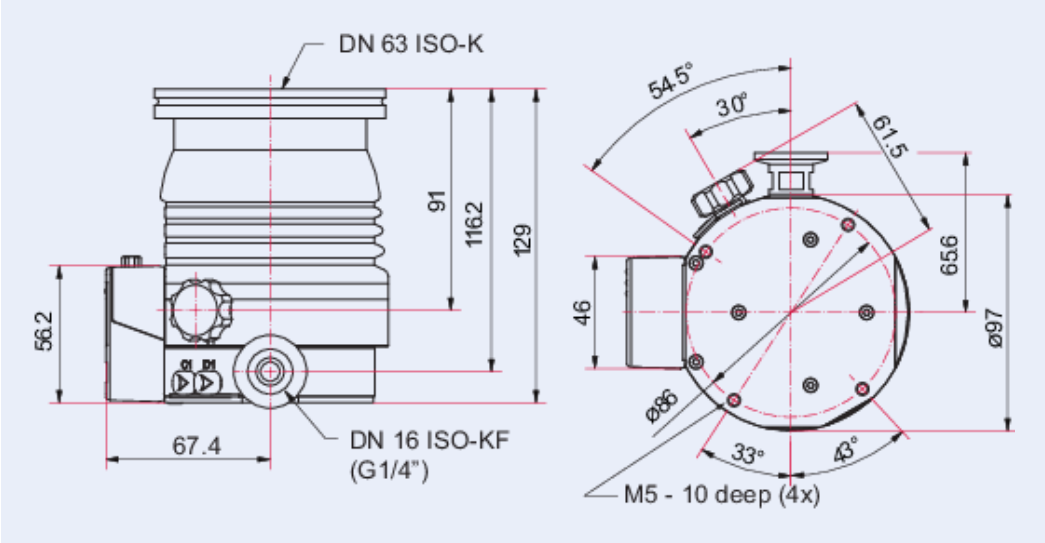
HiPace® 80 Neo with TC 80, DN 63 ISO-K

- Small yet powerful turbopump with a pumping speed of up to 67 l/s for N_2
- TC 80 integrated electronic drive unit
- For installation in any orientation
- Ideal for dependable systems integration
- Extensive accessories expand the range of applications

Characteristics



Dimensions


DN 63 ISO-K
91
116.2
129
56.2
67.4
DN 16 ISO-KF
(G1/4")
54.5°
30°
61.5
65.6
46
ø97
ø86
33°
43°
M5 - 10 deep (4x)

HiPace® 80 Neo

Technical Data	HiPace® 80 Neo with TC 80, DN 63 ISO-K
Connection flange (out)	DN 16 ISO-KF
Connection flange (in)	DN 63 ISO-K
Electronic drive unit	TC 80
Type of electronic drive unit installation	Integrated electronic drive unit
Rotation speed ± 2 %	90,000 rpm
Rotation speed variable	50 – 100 %
I/O interfaces	RS-485, Remote
Mounting orientation	Arbitrary
Input voltage(s)	24 V DC (±10 %)
Gas throughput at full rotational speed for Ar	0.54 hPa·l/s
Gas throughput at full rotational speed for H_2	15.3 hPa·l/s
Gas throughput at full rotational speed for He	2.7 hPa·l/s
Gas throughput at full rotational speed for N_2	1.3 hPa·l/s
Weight	1.7 kg
Run-up time	75 s
Integral leakage rate	$1 \cdot 10^{-8}$ Pa m³/s
Compression ratio for Ar	$1 \cdot 10^{11}$
Compression ratio for H_2	$1.4 \cdot 10^{5}$
Compression ratio for He	$1.3 \cdot 10^{7}$
Compression ratio for N_2	$1 \cdot 10^{11}$
Cooling method	Natural convection
Bearing	Hybrid
Power consumption max.	110 W
Position of power supply pack	External power supply pack
Pumping speed for Ar	66 l/s
Pumping speed for H_2	48 l/s
Pumping speed for He	58 l/s
Pumping speed for N_2	67 l/s
Sound pressure level	48 dB(A)
Protection degree	IP54 | Type 12
Current max.	5.6 A
Fore-vacuum max. for N_2	22 hPa
Permissible radial magnetic field max.	3.7 mT
Emission sound pressure level (EN ISO 2151) level 1	48 dB(A)

Order number	HiPace® 80 Neo with TC 80, DN 63 ISO-K
HiPace® 80 Neo with TC 80, DN 63 ISO-K	PM P080 301 10

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