HiPace® 80 for TCP 350, DN 63 ISO-K

PFEIFFER

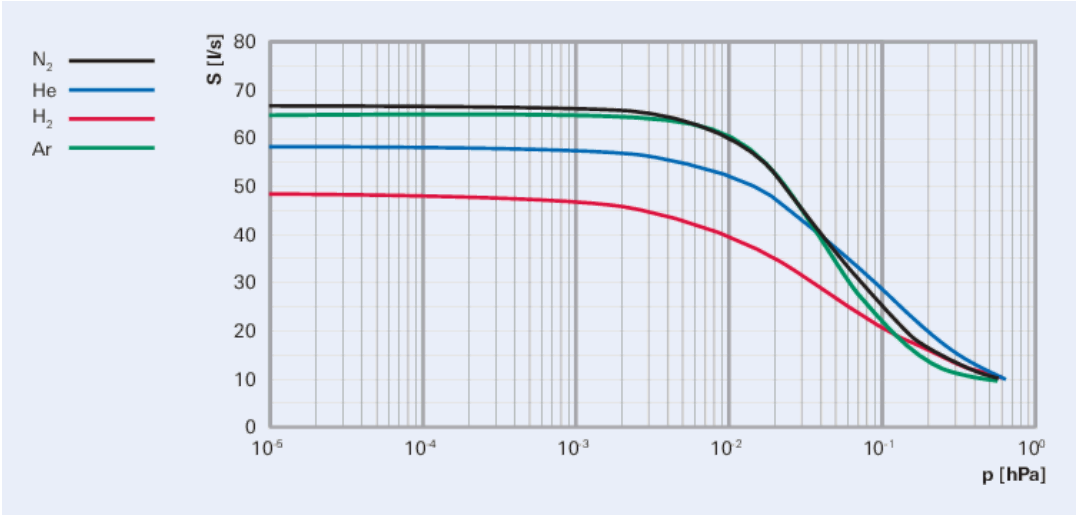
HiPace® 80

Illustration only

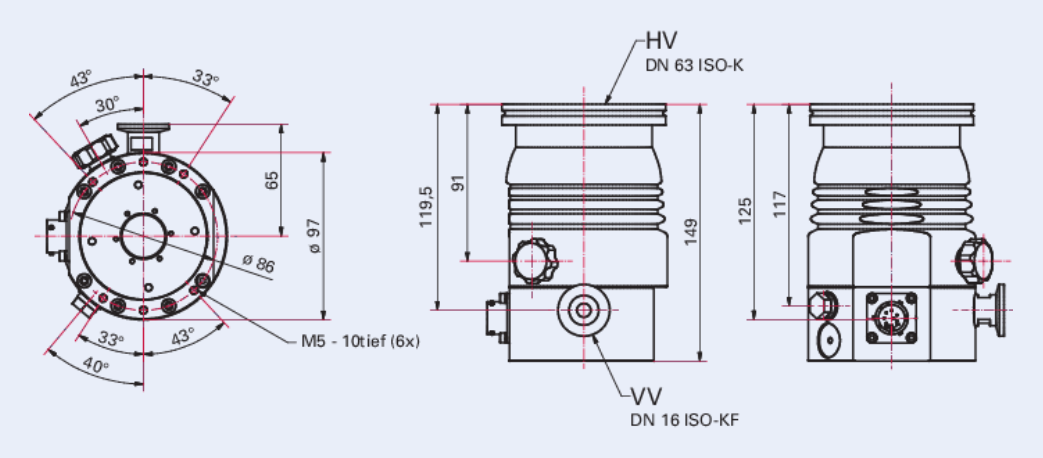
HiPace® 80 for TCP 350, DN 63 ISO-K

- Small yet powerful turbopump with a pumping speed of up to 67 l/s for N_2
- External TCP 350 drive electronics
- For installation in any orientation
- Ideal for dependable systems integration
- Extensive accessories expand the range of applications

Characteristics



Dimensions


43°
33°
30°
65
ø 97
ø 86
M5 - 10tief (6x)
33°
43°
40°
HV
DN 63 ISO-K
119.5
91
149
VV
DN 16 ISO-KF
125
117

HiPace® 80

Technical Data	HiPace® 80 for TCP 350, DN 63 ISO-K
Connection flange (out)	DN 16 ISO-KF | G ¼"
Connection flange (in)	DN 63 ISO-F
Electronic drive unit	TCP 350
Type of electronic drive unit installation	External electronic drive unit -not incl.-
Rotation speed ± 2 %	90,000 rpm
Rotation speed variable	50 – 100 %
Mounting orientation	Arbitrary
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	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	2.1 kg
Run-up time	3 min
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.	90 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.	5.5 A
Fore-vacuum max. for N_2	22 hPa
Permissible radial magnetic field max.	3.3 mT
Emission sound pressure level (EN ISO 2151) level 1	≤48 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® 80 for TCP 350, DN 63 ISO-K
HiPace® 80 for TCP 350, DN 63 ISO-K	PM P03 943 A

Accessories	HiPace® 80 for TCP 350, DN 63 ISO-K
Operating fluid reservoir, cpl. for HiPace 80	PM 143 740 -T
Spare parts package 1, bearing for HiPace 80 (from index A)	PM E01 056 -T

Are you looking for an optimum vacuum solution?

Talk to us:

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