



HiPace® 800 M with TM 700 and power supply OPS 400, DN 200 ISO-K



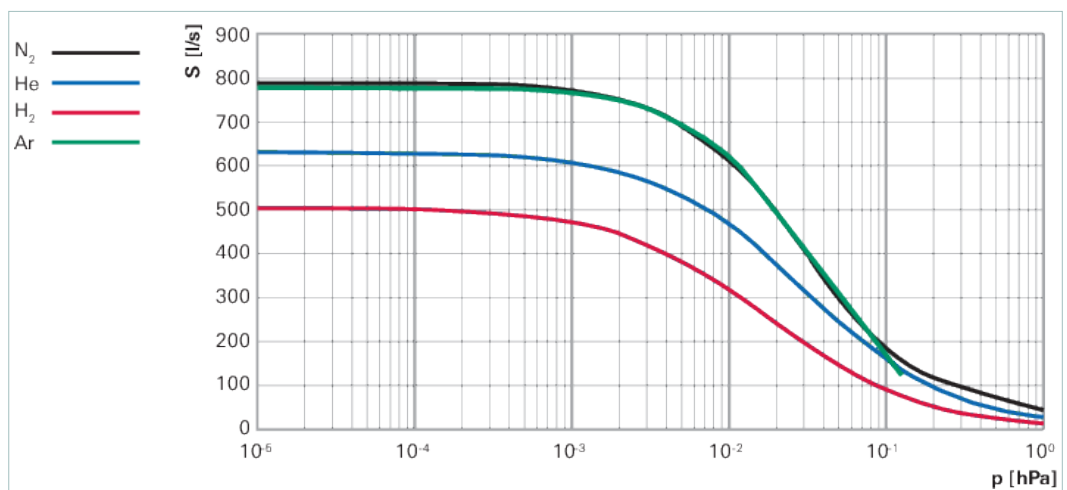
PFEIFFER  **VACUUM**



Similar Image

HiPace® 800 M with TM 700 and power supply OPS 400, DN 200 ISO-K

- 5-axis magnetically levitated turbopump with a pumping speed of 790 l/s for N₂
- Digital magnetic bearing controller TM 700 and power supply OPS 400 integrated
- Installation in any orientation; flexible through connectivity of up to 4 accessory parts
- With integrated water cooling for maximum gas throughput
- Interfaces: RS-485, Remote (Profibus/DeviceNet on request)
- The turbopump features extremely low vibration and is oil-free
- With patented In-field sensor calibration
- Including venting valve and patented "pulsed venting"
- Protection Class: IP 54
- Extensive accessories expand the range of applications



Technical Data	HiPace® 800 M with TM 700 and power supply OPS 400, DN 200 ISO-K
Bearing	Magnetically Levitated
Compression ratio for Ar	$> 1 \cdot 10^{11}$
Compression ratio for H ₂	$2 \cdot 10^5$
Compression ratio for He	$> 1 \cdot 10^7$
Compression ratio for N ₂	$> 1 \cdot 10^{11}$
Cooling method, optional	Air, convection
Cooling method, standard	Water
Cooling water consumption	80 l/h
Cooling water temperature	15-35 °C
Electronic drive unit	with TM 700
Flange (in)	DN 200 ISO-K
Flange (out)	DN 25 ISO-KF
Fore-vacuum max. for N ₂	8 hPa 6 Torr 8 mbar
Gas throughput at 0.1 hPa HV for Ar	16 hPa l/s 12 Torr l/s 16 mbar l/s
Gas throughput at 0.1 hPa HV for H ₂	9 hPa l/s 6.75 Torr l/s 9 mbar l/s
Gas throughput at 0.1 hPa HV for He	16 hPa l/s 12 Torr l/s 16 mbar l/s
Gas throughput at 0.1 hPa HV for N ₂	16 hPa l/s 12 Torr l/s 16 mbar l/s
Gas throughput at full rotational speed for Ar	8 hPa l/s 6 Torr l/s 8 mbar l/s
Gas throughput at full rotational speed for N ₂	13 hPa l/s 9.75 Torr l/s 13 mbar l/s
Integrated power supply	YES
Interfaces	RS-485, Remote
Low vibrations	YES
Mounting orientation	in any orientation

Technical Data		HiPace® 800 M with TM 700 and power supply OPS 400, DN 200 ISO-K	
Operating voltage		48 (± 5 %) V DC	
Permissible magnetic field max.		5 mT	
Protection category		IP 54	
Pumping speed for Ar		775 l/s	
Pumping speed for H ₂		500 l/s	
Pumping speed for He		625 l/s	
Pumping speed for N ₂		790 l/s	
Rotation speed ± 2 %		49,200 rpm 49,200 min ⁻¹	
Run-up time		4 min	
Ultimate pressure according to PNEUROP		< 1 · 10 ⁻⁷ hPa < 7.5 · 10 ⁻⁸ Torr < 1 · 10 ⁻⁷ mbar	
Venting connection		G 1/8"	
Weight		18.8 kg 41.45 lb	
Order number			
HiPace® 800 M		PM P04 990	

Accessories	
Accessory for DCU/HPU	
Accessories package for HPU 001/PC	PM 061 005 -T
Adapter and control cables	
Control cable for pumping stations 0.7 m	PM 061 675 AT
HiPace - ACP connection cable	PM 071 142 -X
Adapters / connections TC 400/1200 and TM 700	
Y-connector, shielded, M12 for accessories	P 4723 013
Air coolings (shielded)	
Air cooling, shielded, for HiPace 400/700/800 and 300700/800 M with TC 400 PB/TM 700	PM Z01 363
Centering ring with multifunctional coating	
Centering ring with multifunction coating, DN 200 ISO-K/-F	PM 016 220 -U
Centering ring with multifunctional coating, including protection screen	
Centering ring with multifunction coating and integrated splinter shield, DN 200 ISO-K/-F	PM 016 221 -U
Centering ring with multifunctional coating, including splinter shield	
Centering ring with multifunction coating and integrated protection screen, DN 200 ISO-K/-F	PM 016 222 -U
Control and display units	
HPU 001, Handheld Programming Unit	PM 051 510 -T
DN ISO-K/-F Mounting kit with collar flange, coated centering ring, stud screws	
Mounting kit for DN 200 ISO-K to ISO-F, with collar flange, coated centering ring, stud screws	PM 016 965 -T
Fore-vacuum safety valves	
TVV 001 fore-vacuum safety valve, 115 V AC	PM Z01 206
TVV 001 fore-vacuum safety valve, 230 V AC	PM Z01 205
Interface cables	
Interface cable, M12 m straight/M12 m straight, 3 m	PM 061 283 -T
Mains cables	
Mains cable 115 V AC, NEMA 5-15 to HAN 3A, 3 m	PM 061 187 -X
Mains cable 208 V AC, NEMA 6-15 to HAN 3A, 3 m	P 4564 309 HB
Mains cable 230 V AC, CEE 7/7 to HAN 3A, 3 m	P 4564 309 HA
Mounting kits for HiPace, including coated centering ring, protection screen and bracket screws	
Mounting kit for HiPace 800 M, DN 200 ISO-K, including coated centering ring, protection screen, bracket screws	PM 016 359 -T
Mounting kits for HiPace, including coated centering ring, splinter shield and bracket screws	
Mounting kit for HiPace 800 M, DN 200 ISO-K, including coated centering ring, splinter shield, bracket screws	PM 016 358 -T
Mounting kits for HiPace, including coated centering ring and bracket screws	
Mounting kit for HiPace 800 M, DN 200 ISO-K, including coated centering ring and bracket screws	PM 016 357 -T

Accessories	
Mounting kit with collar flange, coated centering ring, Hexagon bolts	
Mounting kit for DN 200 ISO-K to ISO-F, with collar flange, coated centering ring, hexagon bolts	PM 016 960 -T
Mounting kit with collar flange, coated centering ring with protection screen, hexagon bolts	
Mounting kit for DN 200 ISO-K to ISO-F, with collar flange, coated centering ring with protection screen, hexagon bolts	PM 016 962 -T
Mounting kit with collar flange, coated centering ring with protection screen, stud screws	
Mounting kit for DN 200 ISO-K to ISO-F, with collar flange, coated centering ring with protection screen, stud screws	PM 016 967 -T
Mounting kit with collar flange, coated centering ring with splinter shield, hexagon bolts	
Mounting kit for DN 200 ISO-K to ISO-F, with collar flange, coated centering ring with splinter shield, hexagon bolts	PM 016 961 -T
Mounting kit with collar flange, coated centering ring with splinter shield, stud screws	
Mounting kit for DN 200 ISO-K to ISO-F, with collar flange, coated centering ring with splinter shield, stud screws	PM 016 966 -T
Pressure Sensors	
TIC 010, Adapter for two sensors	PT R70 000
RS-485 accessories	
Connector M12 to RS-485	PM 061 270 -X
Power separator for RS-485	PT 348 132 -T
Termination resistor for RS-485	PT 348 105 -T
USB converter to RS-485 interface	PM 061 207 -T
Y-Connector M12 to RS-485	P 4723 010
Sealing gas throttle	
Sealing gas throttle for HiPace 300	PM Z01 317
Sealing gas valve, shielded (normally closed)	
Sealing gas valve, shielded for HiPace 300 with TC 400 and TM 700, TCP 350	PM Z01 312
Shielded relay boxes suitable for TC 110/TC 400 with PB, TC 1200 and TM 700	
Relay box, shielded, for backing pumps, 1-phase 20 A for TC 400/1200, TM 700 and TCP 350, M12	PM 071 285 -X
Relay box, shielded, for backing pumps, 1-phase 7 A for TC 400/1200, TM 700 and TCP 350, M12	PM 071 284 -X
Venting accessory with small flange, G 1/8", hoses, air drier	
TTV 001, dryer for venting turbopumps	PM Z00 121
Venting valve (normally closed)	
Venting valve, shielded, 24 V DC, G 1/8", for connection to TC 400/1200 and TM 700	PM Z01 291
Vibration damper	
Vibration damper for HiPace 800/1200/1800, DN 200 ISO-K/F	PM 006 668 -X

上海伯东--您理想的真空合作伙伴!

伯东公司成立于1953年,全球范围内有一千七百名员工。伯东企业(上海)有限公司(www.hakuto-vacuum.cn)主要从事半导体设备、电子零部件加工、销售及相关服务工作,集团年营业额约为100亿人民币。伯东公司在国内主要城市:北京、苏州、广州、深圳、成都及厦门设有营业据点。

上海伯东真空产品事业部秉承为广大中国客户提供世界一流的真空产品、推动中国真空工艺发展、承担企业社会责任为经营理念,已累计为超过10,000家企业提供真空服务,覆盖工业、半导体、镀膜、科研和分析行业。

上海伯东代理品牌包含:德国Pfeiffer全系列真空产品、美国KRI离子源、美国Brooks Polycold制冷机,美国HVA真空阀门,美国inTEST(Temptronic)高速温度循环测试机,离子蚀刻机,真空镀膜系统及配套真空零配件等。

上海伯东作为国际知名真空品牌指定授权代理商,全权负责在中国地区的销售和维修服务,100%使用原厂进口零部件以及国外受训维修工程师;拥有完全的拆解,维修,校正能力并提供24小时在线服务。



Are you looking for a
perfect vacuum solution?
Please contact us:

伯东企业(上海)有限公司
T +021 5046-3511
ec@hakuto-vacuum.cn



www.hakuto-vacuum.cn
www.hakuto-vacuum.com.tw

PFEIFFER  VACUUM

 伯東
Hakuto