



HiPace® 350

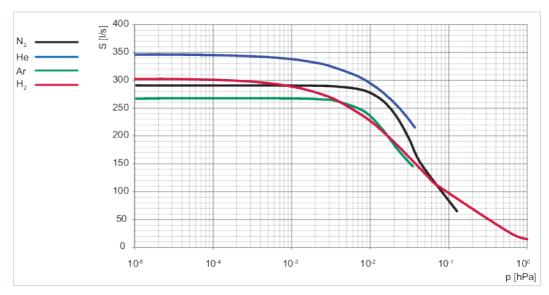


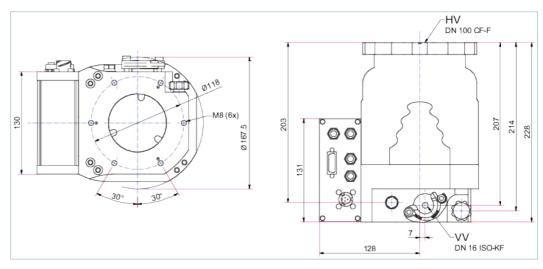


Similar Image

HiPace® 350 with TC 400, DN 100 CF-F

- Robust, high-performance turbopump with a pumping speed of up to 300 l/s for N₂
- Compact and powerful
- Exceptional pumping speed for light gases
- Laser balancing technology
- For installation in any orientation
- TC 400 integrated electronic drive unit
- Comprehensive accessories extend the range of applications





| Technical Data | HiPace® 350 with TC 400, DN 100 CF-F |
|--------------------------------------|--------------------------------------|
| Bearing | Hybrid |
| Compression ratio for Ar | > 1 · 10 ¹¹ |
| Compression ratio for H ₂ | 2 · 10 ⁶ |
| Compression ratio for He | > 1 · 108 |
| Compression ratio for N ₂ | > 1 · 10 ¹¹ |
| Connection flange (in) | DN 100 CF-F |
| Connection flange (out) | DN 16 ISO-KF / G 3/8" |
| Cooling method | Convection |

| Technical Data | HiPace® 350 with TC 400, DN 100 CF-F |
|---|--|
| Cooling method, optional | Air |
| | Water |
| Cooling water flow | 100 l/h |
| Cooling water flow, max. | 100 l/h |
| Cooling water flow, min. | 100 l/h |
| Cooling water temperature | 15-25 °C 59-77 °F 288-298 K |
| Current, max. | 8,4 A |
| Electronic drive unit | with TC 400 |
| Final pressure without gas ballast | 5 · 10 ⁻¹⁰ hPa 3.75 · 10 ⁻¹⁰ Torr 5 · 10 ⁻¹⁰ mbar |
| Fore-vacuum max. for N ₂ | 10 mbar |
| Gas throughput at final rotation speed for Ar | 0.7 mbar l/s |
| Gas throughput at final rotation speed for H ₂ | 11 mbar l/s |
| Gas throughput at final rotation speed for He | 7 mbar l/s |
| Gas throughput at final rotation speed for N ₂ | 2 mbar l/s |
| I/O interfaces | RS-485, Remote |
| Mounting orientation | Arbitrary |
| Permissible axial magnetic field max. | 20 mT |
| Permissible radial magnetic field max. | 4.5 mT |
| Power consumption max. | 420 W |
| Protection degree | IP54; Type 12 |
| Pumping speed for Ar | 270 l/s |
| Pumping speed for H ₂ | 300 l/s |
| Pumping speed for He | 350 l/s |
| Pumping speed for N ₂ | 300 l/s |
| Rotation speed ± 2 % | 66,000 rpm 66,000 min ⁻¹ |
| Rotation speed variable | 60 – 100 % |
| Run-up time | 2 min |
| Sound pressure level | ≤50 dB(A) |
| Venting connection | G 1/8" |
| Weight | 10.6 kg 23.37 lb |

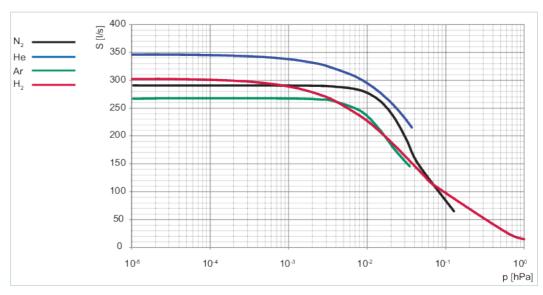
| Order number | |
|--------------|----------------|
| HiPace® 350 | PM P070 411 50 |

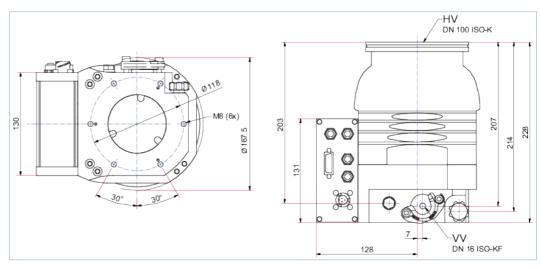


Similar Image

HiPace® 350 with TC 400, DN 100 ISO-K

- \blacksquare Robust, high-performance turbopump with a pumping speed of up to 300 l/s for N_2
- Compact and powerful
- Exceptional pumping speed for light gases
- Laser balancing technology
- For installation in any orientation
- TC 400 integrated electronic drive unit
- Comprehensive accessories extend the range of applications





| Technical Data | HiPace® 350 with TC 400, DN 100 ISO-K |
|--------------------------------------|---------------------------------------|
| Bearing | Hybrid |
| Compression ratio for Ar | > 1 · 10 ¹¹ |
| Compression ratio for H ₂ | 2 · 10 ⁶ |
| Compression ratio for He | > 1 · 10 ⁸ |
| Compression ratio for N ₂ | > 1 · 10 ¹¹ |
| Connection flange (in) | DN 100 ISO-K |
| Connection flange (out) | DN 16 ISO-KF / G 3/8" |
| Cooling method | Convection |

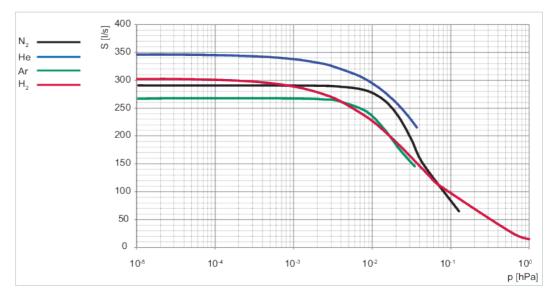
| Cooling method, optional Air Water Cooling water flow 100 l/h Cooling water flow, max. 100 l/h Cooling water flow, min. 100 l/h Cooling water temperature 15-25 °C 59-77 °F 288-298 K Current, max. 8,4 A Electronic drive unit with TC 400 Final pressure without gas ballast 1 · 10·7 hPa 7.5 · 10·8 Torr 1 · 10·7 mbar Fore-vacuum max. for N₂ 10 mbar Gas throughput at final rotation speed for Ar 0.7 mbar l/s Gas throughput at final rotation speed for H₂ 11 mbar l/s Gas throughput at final rotation speed for N₂ 2 mbar l/s l/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Permotection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for H₂ 300 l/s Pumping speed for He 350 l/s Pumping speed for He 350 l/s <t< th=""><th>Technical Data</th><th>HiPace® 350 with TC 400, DN 100 ISO-K</th></t<> | Technical Data | HiPace® 350 with TC 400, DN 100 ISO-K |
|---|---|--|
| Cooling water flow 100 l/h Cooling water flow, max. 100 l/h Cooling water flow, min. 100 l/h Cooling water temperature 15-25 °C 59-77 °F 288-298 K Current, max. 8,4 A Electronic drive unit with TC 400 Final pressure without gas ballast 1 · 10-7 hPa 7.5 · 10-8 Torr 1 · 10-7 mbar Fore-vacuum max. for N₂ 10 mbar Gas throughput at final rotation speed for Ar 0.7 mbar l/s Gas throughput at final rotation speed for H₂ 11 mbar l/s Gas throughput at final rotation speed for H₂ 2 mbar l/s Gas throughput at final rotation speed for N₂ 2 mbar l/s l/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for He 350 l/s Pumping speed for N₂ 300 l/s Rotation speed x2 % 66,000 rpm 66,000 min | Cooling method, optional | Air |
| Cooling water flow, max. 100 l/h Cooling water flow, min. 100 l/h Cooling water temperature 15-25 °C 59-77 °F 288-298 K Current, max. 8.4 A Electronic drive unit with TC 400 Final pressure without gas ballast $1 \cdot 10^{-7}$ hPa $7.5 \cdot 10^{-8}$ Torr $1 \cdot 10^{-7}$ mbar Fore-vacuum max. for N_2 10 mbar Gas throughput at final rotation speed for Ar 0.7 mbar l/s Gas throughput at final rotation speed for He 7 mbar l/s Gas throughput at final rotation speed for N2 2 mbar l/s I/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for Me 350 l/s Pumping speed for N2 300 l/s Rotation speed ± 2 % 66,000 rpm 66,000 min ± 1 Sound pressure level ± 50 dB(A) Venting connection Gas throughput at final rotation speed for N2 Sound pressure level ± 50 dB(A) Venting connection Final pressure level ± 50 dB(A) Pure coloning water temperature 15-25 °C 59-77 °F 288-298 K 100 l/h 100 l/s | | Water |
| Cooling water flow, min. 100 l /h Cooling water temperature 15-25 °C 59-77 °F 288-298 K Current, max. 8,4 A Electronic drive unit with TC 400 Final pressure without gas ballast 1 · 10-7 hPa 7.5 · 10-8 Torr 1 · 10-7 mbar Fore-vacuum max. for N_2 10 mbar Gas throughput at final rotation speed for Ar Gas throughput at final rotation speed for He Gas throughput at final rotation speed for He Gas throughput at final rotation speed for N ₂ 2 mbar l /s Gas throughput at final rotation speed for N ₂ 2 mbar l /s I/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l /s Pumping speed for He 350 l /s Pumping speed for N ₂ 300 l /s Rotation speed \pm 2 % 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level \leq 50 dB(A) Venting connection | Cooling water flow | 100 l/h |
| Cooling water temperature $15-25 ^{\circ}\text{C} 59-77 ^{\circ}\text{F} 288-298 \text{K}$ Current, max. $8,4 \text{A}$ Electronic drive unit with TC 400 Final pressure without gas ballast $1 \cdot 10^{-7} \text{hPa} 7.5 \cdot 10^{-8} \text{Torr} 1 \cdot 10^{-7} \text{mbar}$ Fore-vacuum max. for N_2 10 mbar Gas throughput at final rotation speed for Ar 0.7 mbar l/s Gas throughput at final rotation speed for He 7 mbar l/s Gas throughput at final rotation speed for Ne 2 2 mbar l/s l/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for He 350 l/s Pumping speed for He 350 l/s Rotation speed $\pm 2 \%$ 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level $\leq 50 \text{dB}(A)$ Venting connection | Cooling water flow, max. | 100 l/h |
| Current, max. 8,4 A Electronic drive unit with TC 400 Final pressure without gas ballast $1 \cdot 10^{-7}$ hPa $ 7.5 \cdot 10^{-8}$ Torr $ 1 \cdot 10^{-7}$ mbar Fore-vacuum max. for N_2 10 mbar Gas throughput at final rotation speed for Ar 0.7 mbar l/s Gas throughput at final rotation speed for He 7 mbar l/s Gas throughput at final rotation speed for He 7 mbar l/s Gas throughput at final rotation speed for N2 2 mbar l/s I/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for He 350 l/s Pumping speed for He 350 l/s Rotation speed ± 2 % 66,000 rpm $ 66,000 \text{ min}^{-1} $ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level $\leq 50 \text{ dB(A)}$ Venting connection | Cooling water flow, min. | 100 l/h |
| Electronic drive unit with TC 400 Final pressure without gas ballast $1 \cdot 10^{-7} \text{PPa} \mid 7.5 \cdot 10^{-8} \text{Torr} \mid 1 \cdot 10^{-7} \text{mbar}$ Fore-vacuum max. for N_2 10 mbar Gas throughput at final rotation speed for Ar 0.7 mbar l/s Gas throughput at final rotation speed for He 7 mbar l/s Gas throughput at final rotation speed for He 7 mbar l/s Gas throughput at final rotation speed for He 7 mbar l/s Gas throughput at final rotation speed for Ne 2 mbar l/s I/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for He 350 l/s Pumping speed for He 350 l/s Pumping speed for Ne 300 l/s Rotation speed $\pm 2 \%$ 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level $\leq 50 \text{dB}(A)$ Venting connection $G 1/8''$ | Cooling water temperature | 15-25 °C 59-77 °F 288-298 K |
| Final pressure without gas ballast $1 \cdot 10^{-7} \text{ hPa} \mid 7.5 \cdot 10^{-8} \text{ Torr} \mid 1 \cdot 10^{-7} \text{ mbar}$ Fore-vacuum max. for N ₂ 10 mbar Gas throughput at final rotation speed for Ar 0.7 mbar l/s Gas throughput at final rotation speed for H ₂ 11 mbar l/s Gas throughput at final rotation speed for He Gas throughput at final rotation speed for N ₂ 2 mbar l/s I/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for He 350 l/s Pumping speed for He 350 l/s Pumping speed for N ₂ 300 l/s Rotation speed ± 2 % 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level $\leq 50 \text{ dB(A)}$ Venting connection | Current, max. | 8,4 A |
| Fore-vacuum max. for N_2 10 mbar 0.7 mbar l/s Gas throughput at final rotation speed for Ar 0.7 mbar l/s Gas throughput at final rotation speed for H $_2$ 11 mbar l/s Gas throughput at final rotation speed for H $_2$ 2 mbar l/s Gas throughput at final rotation speed for N $_2$ 2 mbar l/s l/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for H $_2$ 300 l/s Pumping speed for H $_2$ 300 l/s Pumping speed for N $_2$ 300 l/s Rotation speed \pm 2 % 66,000 rpm 66,000 min 66,000 min 60 - 100 % Run-up time 2 min Sound pressure level \pm 50 dB(A) Venting connection \pm 50 d see the seed of the condition speed \pm 60 of the condition of the condition \pm 60 of the condition of the condition \pm 60 of the condition of the condition of the condition \pm 60 of the condition of | Electronic drive unit | with TC 400 |
| Gas throughput at final rotation speed for Ar | Final pressure without gas ballast | 1 · 10 ⁻⁷ hPa 7.5 · 10 ⁻⁸ Torr 1 · 10 ⁻⁷ mbar |
| Gas throughput at final rotation speed for H_2 11 mbar l/s Gas throughput at final rotation speed for H_2 2 mbar l/s Gas throughput at final rotation speed for N_2 2 mbar l/s l/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for H_2 300 l/s Pumping speed for H_2 300 l/s Pumping speed for N_2 300 l/s Rotation speed \pm 2 % 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level \leq 50 dB(A) Venting connection G 1/8" | Fore-vacuum max. for N ₂ | 10 mbar |
| Gas throughput at final rotation speed for He Gas throughput at final rotation speed for N ₂ I/O interfaces I/O interfa | Gas throughput at final rotation speed for Ar | 0.7 mbar l/s |
| Gas throughput at final rotation speed for N_2 2 mbar l/s l/O interfaces RS-485, Remote Mounting orientation Arbitrary Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for He 350 l/s Pumping speed for He 350 l/s Pumping speed for N_2 300 l/s Rotation speed \pm 2 % 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level \leq 50 dB(A) Venting connection \leq 61/8" | Gas throughput at final rotation speed for H ₂ | 11 mbar l/s |
| I/O interfacesRS-485, RemoteMounting orientationArbitraryPermissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degreeIP54; Type 12Pumping speed for Ar 270 l/s Pumping speed for He 350 l/s Pumping speed for Ne 350 l/s Pumping speed for Ne 300 l/s Rotation speed $\pm 2\%$ $66,000 \text{ rpm} \text{ l} 66,000 \text{ min}^{-1}$ Rotation speed variable $60 - 100\%$ Run-up time 2 min Sound pressure level $\leq 50 \text{ dB(A)}$ Venting connection $G 1/8$ " | Gas throughput at final rotation speed for He | 7 mbar l/s |
| Mounting orientationArbitraryPermissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degreeIP54; Type 12Pumping speed for Ar 270 l/s Pumping speed for H₂ 300 l/s Pumping speed for He 350 l/s Pumping speed for N₂ 300 l/s Rotation speed $\pm 2\%$ $66,000 \text{ rpm} \mid 66,000 \text{ min}^{-1}$ Rotation speed variable $60 - 100\%$ Run-up time 2 min Sound pressure level $\leq 50 \text{ dB(A)}$ Venting connection $G 1/8$ " | Gas throughput at final rotation speed for N ₂ | 2 mbar l/s |
| Permissible axial magnetic field max. 20 mT Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for H ₂ 300 l/s Pumping speed for He 350 l/s Pumping speed for N ₂ 300 l/s Rotation speed ± 2 % 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level ≤ 50 dB(A) Venting connection G 1/8" | I/O interfaces | RS-485, Remote |
| Permissible radial magnetic field max. 4.5 mT Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for H ₂ 300 l/s Pumping speed for He 350 l/s Pumping speed for N ₂ 300 l/s Rotation speed $\pm 2\%$ 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level ≤ 50 dB(A) Venting connection G 1/8" | Mounting orientation | Arbitrary |
| Power consumption max. 420 W Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for H ₂ 300 l/s Pumping speed for He 350 l/s Pumping speed for N ₂ 300 l/s Rotation speed $\pm 2\%$ 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 − 100 % Run-up time 2 min Sound pressure level ≤50 dB(A) Venting connection G 1/8" | Permissible axial magnetic field max. | 20 mT |
| Protection degree IP54; Type 12 Pumping speed for Ar 270 l/s Pumping speed for H_2 300 l/s Rotation speed ± 2 % 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level ≤ 50 dB(A) Venting connection G 1/8" | Permissible radial magnetic field max. | 4.5 mT |
| Pumping speed for Ar 270 l/s $ \begin{array}{lllllllllllllllllllllllllllllllllll$ | Power consumption max. | 420 W |
| Pumping speed for H_2 300 l/s Pumping speed for He 350 l/s Pumping speed for N_2 300 l/s Rotation speed ± 2 % 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 − 100 % Run-up time 2 min Sound pressure level ≤50 dB(A) Venting connection G 1/8" | Protection degree | IP54; Type 12 |
| Pumping speed for He 350 l/s Pumping speed for N ₂ 300 l/s Rotation speed $\pm 2\%$ $66,000 \text{ rpm} \mid 66,000 \text{ min}^{-1}$ Rotation speed variable $60 - 100\%$ Run-up time 2 min Sound pressure level $\leq 50 \text{ dB(A)}$ Venting connection $G 1/8$ " | Pumping speed for Ar | 270 l/s |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | Pumping speed for H ₂ | 300 l/s |
| Rotation speed $\pm 2\%$ 66,000 rpm 66,000 min ⁻¹ Rotation speed variable 60 – 100 % Run-up time 2 min Sound pressure level ≤ 50 dB(A) Venting connection G 1/8" | Pumping speed for He | 350 l/s |
| Rotation speed variable $60 - 100 \%$ Run-up time 2 min Sound pressure level $\leq 50 \text{ dB(A)}$ Venting connection $G 1/8$ " | Pumping speed for N ₂ | 300 l/s |
| Run-up time 2 min Sound pressure level ≤50 dB(A) Venting connection G 1/8" | Rotation speed ± 2 % | 66,000 rpm 66,000 min ⁻¹ |
| Sound pressure level ≤50 dB(A) Venting connection G 1/8" | Rotation speed variable | 60 – 100 % |
| Venting connection G 1/8" | Run-up time | 2 min |
| • | Sound pressure level | ≤50 dB(A) |
| Weight 7.8 kg 17.2 lb | Venting connection | G 1/8" |
| | Weight | 7.8 kg 17.2 lb |

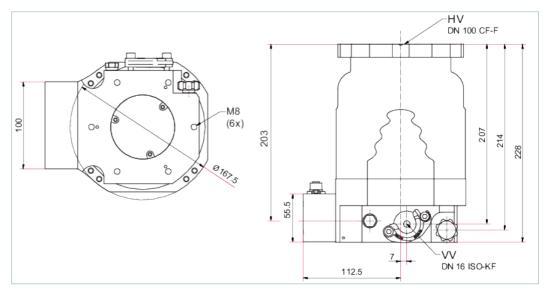
| Order number | |
|--------------|----------------|
| HiPace® 350 | PM P070 401 50 |



HiPace® 350 with TC 120, DN 100 CF-F

- \blacksquare Robust, high-performance turbopump with a pumping speed of up to 300 l/s for N_2
- Compact and powerful
- Exceptional pumping speed for light gases
- Laser balancing technology
- For installation in any orientation
- TC 120 integrated electronic drive unit
- Comprehensive accessories extend the range of applications





| Technical Data | HiPace® 350 with TC 120, DN 100 CF-F |
|--------------------------------------|--------------------------------------|
| Bearing | Hybrid |
| Compression ratio for Ar | > 1 · 10 ¹¹ |
| Compression ratio for H ₂ | $2 \cdot 10^{6}$ |
| Compression ratio for He | > 1 · 108 |
| Compression ratio for N ₂ | > 1 · 10 ¹¹ |
| Connection flange (in) | DN 100 CF-F |

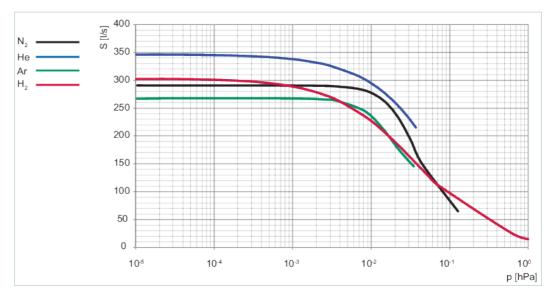
| Technical Data | HiPace® 350 with TC 120, DN 100 CF-F |
|---|--|
| Connection flange (out) | DN 16 ISO-KF / G 3/8" |
| Cooling method | Convection |
| Cooling method, optional | Air Water |
| Cooling water flow | 100 l/h |
| Cooling water flow, max. | 100 l/h |
| Cooling water flow, min. | 100 l/h |
| Cooling water temperature | 15-25 °C 59-77 °F 288-298 K |
| Current, max. | 3.75 A |
| Electronic drive unit | with TC 120 |
| Final pressure without gas ballast | 5 · 10 ⁻¹⁰ hPa 3.75 · 10 ⁻¹⁰ Torr 5 · 10 ⁻¹⁰ mbar |
| Fore-vacuum max. for N ₂ | 10 mbar |
| Gas throughput at final rotation speed for Ar | 0.7 mbar l/s |
| Gas throughput at final rotation speed for H ₂ | 11 mbar l/s |
| Gas throughput at final rotation speed for He | 7 mbar l/s |
| Gas throughput at final rotation speed for N ₂ | 2 mbar l/s |
| I/O interfaces | RS-485, Remote |
| Mounting orientation | Arbitrary |
| Permissible axial magnetic field max. | 20 mT |
| Permissible radial magnetic field max. | 4.5 mT |
| Power consumption max. | 180 W |
| Protection degree | IP54; Type 12 |
| Pumping speed for Ar | 270 l/s |
| Pumping speed for H ₂ | 300 l/s |
| Pumping speed for He | 350 l/s |
| Pumping speed for N ₂ | 300 l/s |
| Rotation speed ± 2 % | 66,000 rpm 66,000 min ⁻¹ |
| Rotation speed variable | 60 – 100 % |
| Run-up time | 4 min |
| Sound pressure level | ≤50 dB(A) |
| Venting connection | G 1/8" |
| Weight | 10 kg 22.05 lb |

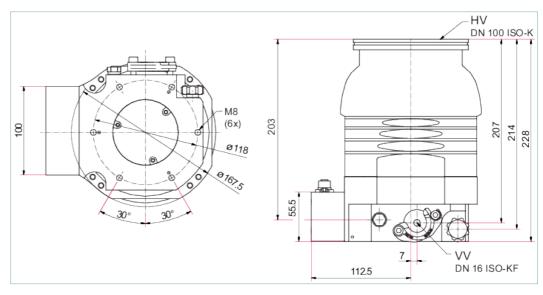
| Order number | |
|--------------|----------------|
| HiPace® 350 | PM P070 411 30 |



HiPace® 350 with TC 120, DN 100 ISO-K

- \blacksquare Robust, high-performance turbopump with a pumping speed of up to 300 l/s for N_2
- Compact and powerful
- Exceptional pumping speed for light gases
- Laser balancing technology
- For installation in any orientation
- TC 120 integrated electronic drive unit
- Comprehensive accessories extend the range of applications





| Technical Data | HiPace® 350 with TC 120, DN 100 ISO-K |
|--------------------------------------|---------------------------------------|
| Bearing | Hybrid |
| Compression ratio for Ar | > 1 · 10 ¹¹ |
| Compression ratio for H ₂ | 2 · 10 ⁶ |
| Compression ratio for He | > 1 · 10 ⁸ |
| Compression ratio for N ₂ | > 1 · 10 ¹¹ |
| Connection flange (in) | DN 100 ISO-K |

| Technical Data | HiPace® 350 with TC 120, DN 100 ISO-K |
|---|--|
| Connection flange (out) | DN 16 ISO-KF / G 3/8" |
| Cooling method | Convection |
| Cooling method, optional | Air Water |
| Cooling water flow | 100 l/h |
| Cooling water flow, max. | 100 l/h |
| Cooling water flow, min. | 100 l/h |
| Cooling water temperature | 15-25 °C 59-77 °F 288-298 K |
| Current, max. | 3,75 A |
| Electronic drive unit | with TC 120 |
| Final pressure without gas ballast | 1 · 10 ⁻⁷ hPa 7.5 · 10 ⁻⁸ Torr 1 · 10 ⁻⁷ mbar |
| Fore-vacuum max. for N ₂ | 10 mbar |
| Gas throughput at final rotation speed for Ar | 0.7 mbar l/s |
| Gas throughput at final rotation speed for H ₂ | 11 mbar l/s |
| Gas throughput at final rotation speed for He | 7 mbar l/s |
| Gas throughput at final rotation speed for N ₂ | 2 mbar l/s |
| I/O interfaces | RS-485, Remote |
| Mounting orientation | Arbitrary |
| Permissible axial magnetic field max. | 20 mT |
| Permissible radial magnetic field max. | 4.5 mT |
| Power consumption max. | 180 W |
| Protection degree | IP54; Type 12 |
| Pumping speed for Ar | 270 l/s |
| Pumping speed for H ₂ | 300 l/s |
| Pumping speed for He | 350 l/s |
| Pumping speed for N ₂ | 300 l/s |
| Rotation speed ± 2 % | 66,000 rpm 66,000 min ⁻¹ |
| Rotation speed variable | 60 – 100 % |
| Run-up time | 4 min |
| Sound pressure level | ≤50 dB(A) |
| Venting connection | G 1/8" |
| Weight | 7.2 kg 15.87 lb |

| Order number | |
|--------------|----------------|
| HiPace® 350 | PM P070 401 30 |

VACUUM SOLUTIONS FROM A SINGLE SOURCE

Pfeiffer Vacuum stands for innovative and custom vacuum solutions worldwide, technological perfection, competent advice and reliable service.

COMPLETE RANGE OF PRODUCTS

From a single component to complex systems: We are the only supplier of vacuum technology that provides a complete product portfolio.

COMPETENCE IN THEORY AND PRACTICE

Benefit from our know-how and our portfolio of training opportunities! We support you with your plant layout and provide first-class on-site service worldwide.

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

Pfeiffer Vacuum GmbH Headquarters · Germany T +49 6441 802-0 info@pfeiffer-vacuum.de

www.pfeiffer-vacuum.com

