

# HiPace 400

Turbomolecular vacuum pumps



## Reliable

Best-in-class hybrid bearing technology, superior bearing lubrication for long life cycle

## High performance

Optimized rotor geometry, enhanced gas load handling

## High gas throughput

High pumping speed, compatible with a variety of backing pumps, high compression for light gases

### Accessories

- Electrical adapter
- Mains cable
- Connecting cable
- Various fieldbus systems
- Power supply kit and display unit
- Mounting kit
- Safety valve
- Venting accessories
- Power failure venting unit
- Vibration damper

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Dimensional drawing

Pumping speed

The following technical values refer to ISO Hz

| HiPace 400 with TC 400 24 V                     |   |
|---|---|
| Pumping speed for Ar                            | 320 l/s   |
| Pumping speed for He                            | 470 l/s   |
| Pumping speed for H#                            | 445 l/s   |
| Pumping speed for N#                            | 355 l/s   |
| Compression ratio for Ar                        | $1 \cdot 10^{11}$                                 |
| Compression ratio for He                        | $3 \cdot 10^{\#}$                                 |
| Compression ratio for H#                        | $4 \cdot 10^{\#}$                                 |
| Compression ratio for N#                        | $1 \cdot 10^{11}$                                 |
| Gas throughput at final rotational speed for Ar | 3.5 hPa l/s                                       |
| Gas throughput at final rotational speed for He | 20 hPa l/s  |
| Gas throughput at final rotational speed for H# | 14 hPa l/s  |
| Gas throughput at final rotational speed for N# | 6.5 hPa l/s                                       |
| Forevacuum max. for N#                          | 11 hPa  |
| Run-up time                                     | 4 min   |
| Communication interfaces optional               | Profibus, Profinet, Ethercat, Devicenet, Semi E74 |
| Communication interfaces standard               | RS-485, remote                                    |
| Mounting orientation                            | arbitrary   |
| Sound pressure level (EN ISO 2151)              | 50 dBA  |
| Weight approx.                                  | 11.6 kg   |
| Gas inlet                                       | DN 100 ISO-K/ISO-F/CF-F                           |
| Gas outlet                                      | DN 25 ISO-KF /G 1/4"                              |

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**Do you want to know more**

Please contact us!  
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