

Product-Information

TURBOVAC TW 250 S with Frequency Converter

Turbomolecular Pumps with Mechanical Rotor Suspension with Compound Stage
Cat. No.: 11437



Product-Description

Typical Applications

- Analytical instruments
- Coating
- R & D

Technical Features

- Integrated or external frequency converter

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- Compact design
- Efficient air-cooling system integrated

Advantages to the User

- Highest pumping speed and throughput for N₂ and Ar
- Highest reliability in operation

DN 100 ISO-K, water-cooled, Profibus, TURBO.DRIVE S

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| Description | Unit | Value |
|---------------------------------------|----------------|----------------|
| High vacuum connection flange | DN | 100 ISO-K |
| Max. fore vacuum pressure for N2 | mbar | 3 |
| Max. gas throughput Ar | mbar x l x s-1 | 1,6 |
| Max. gas throughput H2 | mbar x l x s-1 | 1,1 |
| Max. gas throughput He | mbar x l x s-1 | 2,4 |
| Max. gas throughput N2 | mbar x l x s-1 | 3,7 |
| Pumping speed Ar according to PNEUROP | l/s | 210 |
| Pumping speed H2 according to PNEUROP | l/s | 80 |
| Pumping speed He according to PNEUROP | l/s | 150 |
| Pumping speed N2 according to PNEUROP | l/s | 230 |
| Recommended fore vacuum pump | | TRIVAC D 2,5 E |
| Run-up time to 95% | min | 3 |
| Speed | 1/min | 51600 |
| Venting connection | Gewinde | M 5 |
| Weight with frequency converter | kg | 5,8 |
| Weight without frequency converter | kg | 5 |

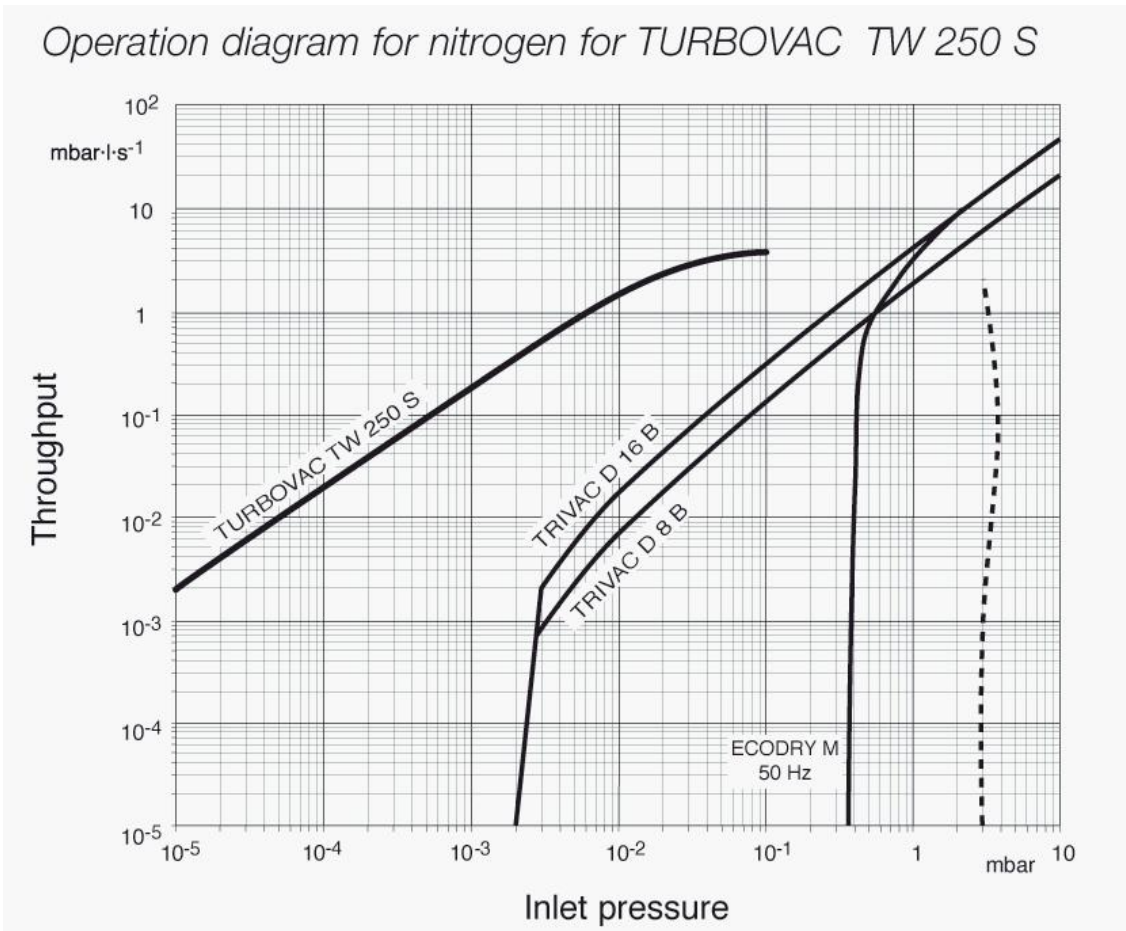
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Pumping Speed

Operation diagram for nitrogen for TURBOVAC TW 250 S



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Dimensions

| | | b | b ₁ | d | d ¹ | h | h ₁ | h ₂ | h ₃ | h ₄ | h ₅ |
|--------------|-----|------|----------------|------|----------------|------|----------------|----------------|----------------|----------------|----------------|
| DN 100 ISO-K | mm | 20 | 22 | 160 | 146.6 | 175 | 37 | 14 | 4 | 20 | 40 |
| | in. | 0.79 | 0.87 | 6.29 | 5.77 | 6.89 | 1.46 | 0.55 | 0.16 | 0.79 | 1.57 |
| DN 100 CF | mm | 20 | 22 | 160 | 146.6 | 175 | 37 | 14 | 4 | 20 | 40 |
| | in. | 0.79 | 0.87 | 6.29 | 5.77 | 6.89 | 1.46 | 0.55 | 0.16 | 0.79 | 1.57 |

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Technical Drawing

