

Technical Data

Product: TURBOVAC 151
Part No.: 85632

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|---|--------------------------------|--------------------------------|
| Inlet connection: | DN 100 CF | |
| Outlet connection: | DN 25 ISO-KF | |
| Pumping speed | | |
| N ₂ - Nitrogen: | 145 l/s | |
| Ar - Argon: | 150 l/s | |
| He - Helium: | 135 l/s | |
| H ₂ - Hydrogen: | 115 l/s | |
| Gas throughput | | |
| N ₂ - Nitrogen: | 1.5 mbar x l/s | |
| Ar - Argon: | 1.3 mbar x l/s | |
| He - Helium: | 1.5 mbar x l/s | |
| H ₂ - Hydrogen: | 1.0 mbar x l/s | |
| Compression ratio | | |
| N ₂ - Nitrogen: | 1.0 x 10 ⁹ | |
| Ar - Argon: | 1.0 x 10 ⁹ | |
| He - Helium: | 2.0 x 10 ⁴ | |
| H ₂ - Hydrogen: | 8.0 x 10 ² | |
| Ultimate pressure: | < 1.0 x 10 ⁻¹⁰ mbar | < 7.5 x 10 ⁻¹¹ Torr |
| Max. foreline pressure for N ₂ : | 5.0 x 10 ⁻¹ mbar | 3.8 x 10 ⁻¹ Torr |
| Nominal rotation speed: | 50000 min ⁻¹ | 50000 rpm |
| Run -up time: | ≈ 2 min | |
| Max. power consumption: | 300 W | |
| Power consumption at ultimate pressure: | 70 W | |
| Protection rating: | IP 20 | |
| Admissible ambient temperature: | 10 - 55°C | 50 - 131°F |
| Cooling standard: | Water | |
| Cooling optional: | Air | |
| Cooling water connection: | 10 mm hose nozzle | |
| Cooling water consumption: | 15 - 35 l/h | |
| Permissible cooling water pressure: | 3 - 7 bar | |
| Permissible cooling water temperature: | 10 - 25°C | 50 - 77°F |
| Dimensions: | see dimension sheet | |
| Weight: | ≈ 8.0 kg | ≈ 17.0 lbs |

Technical data are subject to change