

## Product-Information

### **TURBOVAC 151 (C) ClassicLine**

Turbomolecular Pumps with Mechanical Rotor Suspension without Compound Stage  
Cat. No.: 10341



## Product-Description

### Typical Applications

- Leak detectors
- Mass spectrometers
- Data storage
- Optical coating
- R & D, e.g.
  - UHV systems
  - Particle accelerators
- Load locks and transfer chambers

### Technical Features

- Compact design
- Operation in any orientation
- Oil-free pump for generating clean high- and ultrahigh-vacuum conditions

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#### **Advantages to the User**

- Space-saving
- Easy to integrate into complex vacuum systems
- Low operating costs
- Highly reliable operation also in processes loaded with particles

TURBOVAC 151 C, DN 100 CF/DN 25 KF, water-cooled, with  
purge gas, TURBOVAC 151 C

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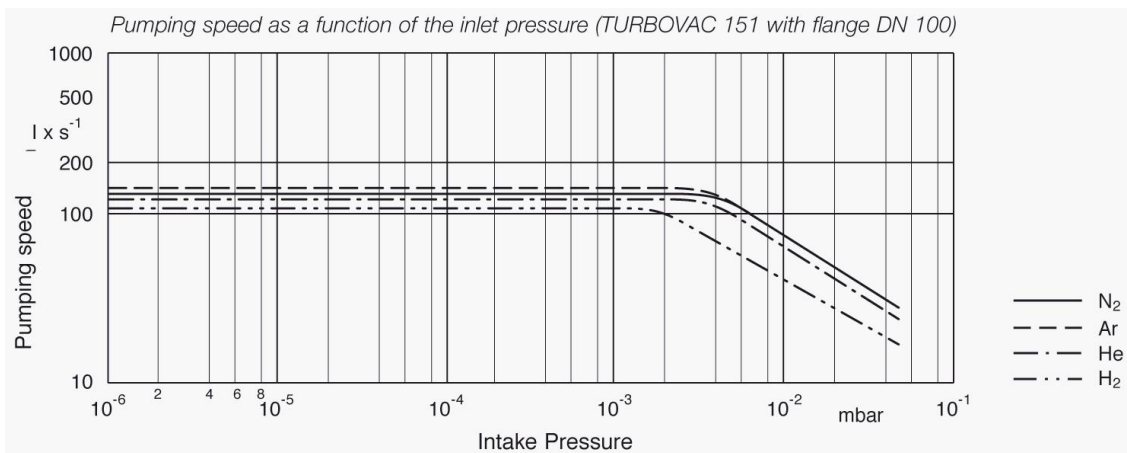
Description	Unit	Value
Fore vacuum connection	DN	25 KF
Cooling		Wasserkühlung
Pumping speed N2 according to PNEUROP	l/s	145
Pumping speed Ar according to PNEUROP	l/s	150
Pumping speed He according to PNEUROP	l/s	135
Pumping speed H2 according to PNEUROP	l/s	115
Max. gas throughput N2	mbar x l x s-1	1,5
Max. gas throughput Ar	mbar x l x s-1	1,3
Max. gas throughput H2	mbar x l x s-1	1
Compression ratio N2		1E9
Compression ratio He		2E4
Compression ratio H2		8E2
Ultimate pressure	mbar	< 1E-10
Max continuous inlet pressure, water cooled	mbar	5E-2
Max. fore vacuum pressure for N2	mbar	5E-1
Recommended fore vacuum pump		von TRIVAC D 4 B bis TRIVAC D 16 B
Run-up time to 95%	min	2
Purge / Vent port	DN	10 KF
Cooling water connection (hose nozzles)	mm	10
Weight	kg	8
Power consumption at ultimate pressure 50 / 60 Hz	VA	680 / 480

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**Pumping Speed**



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**Dimensions**

DN		151		151 C			h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	a	a <sub>1</sub>	a <sub>2</sub>	b	d	d <sub>1</sub>	l
		h	h	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>										
63 ISO-K	mm	230	-	-	47	126	73	76	79	78	76	132	10	136		
	in.	9.06	-	-	1.85	4.96	2.87	2.99	3.11	3.07	2.99	5.20	0.39	5.35		
100 ISO-K	mm	207	207	88	47	126	73	76	79	78	76	132	10	136		
	in.	8.14	8.14	3.46	1.85	4.96	2.87	2.99	3.11	3.07	2.99	5.20	0.39	5.35		
100 CF	mm	224	-	-	47	126	73	76	79	78	76	132	10	136		
	in.	8.82	-	-	1.85	4.96	2.87	2.99	3.11	3.07	2.99	5.20	0.39	5.35		

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**Technical Drawing**

