

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

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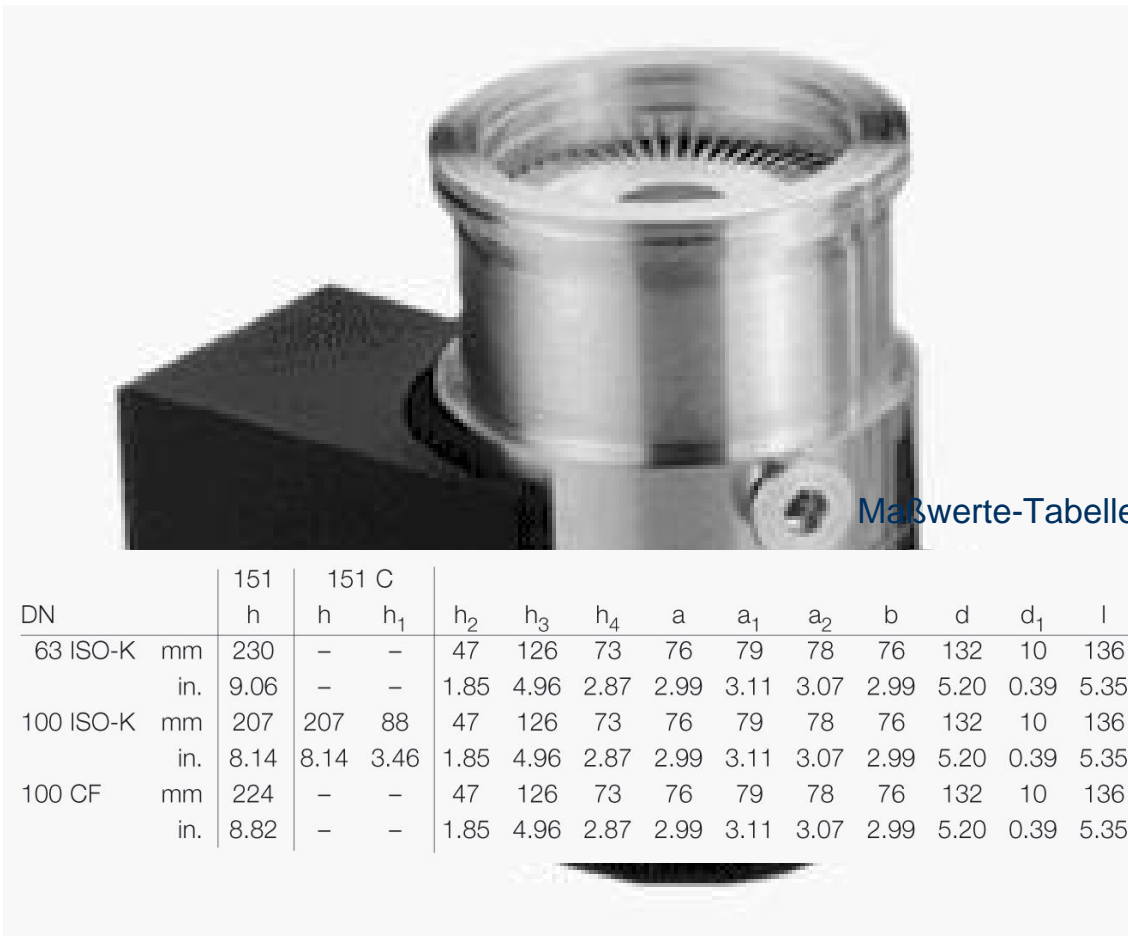
Description	Unit	Value
Compression ratio He		2E4
Compression ratio N2		1E9
Fore vacuum connection	DN	25 KF
High vacuum connection flange	DN	100 CF
Max continuous inlet pressure, water cooled	mbar	5E-2
Max. fore vacuum pressure for N2	mbar	5E-1
Max. gas throughput Ar	mbar x l x s-1	3
Max. gas throughput H2	mbar x l x s-1	1,7
Max. gas throughput N2	mbar x l x s-1	3
Power consumption at ultimate pressure	VA	480
Pumping speed Ar according to PNEUROP	l x s E-1	150
Pumping speed H2 according to PNEUROP	l/s	115
Pumping speed He according to PNEUROP	l/s	135
Pumping speed N2 according to PNEUROP	l/s	145
Purge / Vent port	DN	10 KF
Recommended fore vacuum pump		von TRIVAC D 4 B bis TRIVAC D 16 B
Run-up time to 95%	min	2
Weight	kg	8

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Saugvermögenskurve



DN		151		151 C		h ₂	h ₃	h ₄	a	a ₁	a ₂	b	d	d ₁	l
		h	h	h ₁	h										
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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Technische Zeichnung

DN		151		151 C			h ₂	h ₃	h ₄	a	a ₁	a ₂	b	d	d ₁	l
		h	h	h ₁												
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