

## Product-Information

### **TURBOVAC 50**

Turbomolecular Pumps with Mechanical Rotor Suspension without Compound Stage  
Cat. No.: 85399



## Product-Description

### Typical Applications

- Leak detectors
- Mass spectrometers
- Electron beam microscopy
- TV tube manufacturing
- Load locks and transfer chambers

### Technical Features

- Compact design
- Operation in any orientation

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- Cooling by convection is sufficient for most applications
  - Air and water cooling can be added easily
  - Oil-free
- pump for generating clean high- and ultrahigh-vacuum conditions

#### 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

DN 40 CF/DN 16 KF, convection

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Description	Unit	Value
Cooling		Umgebung
Fore vacuum connection	DN	16 KF
High vacuum connection flange	DN	40 CF
Max. fore vacuum pressure for N2	mbar	1E-1
Max. gas throughput H2	mbar x l x s-1	0,2
Max. gas throughput He	mbar x l x s-1	0,25
Max. gas throughput N2	mbar x l x s-1	0,3
Power consumption at ultimate pressure_	kW	0,015
Pumping speed H2 according to PNEUROP	l/s	28
Pumping speed He according to PNEUROP	l/s	36
Pumping speed N2 according to PNEUROP	l/s	33
Recommended fore vacuum pump		TRIVAC D 2,5 E
Run-up time to 95%	min	2
Seal	-	Metall-gedichtet
Weight	kg	2

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Saugvermögenskurve



Maßwerte-Tabelle

DN		a	b	d	h	h <sub>1</sub>	h <sub>2</sub>
40 KF	mm	54.5	55	93	166	71.5	119
	in.	2.15	2.17	3.66	6.54	2.81	4.69
63 ISO-K	mm	54.5	55	93	157.5	71.5	119
	in.	2.15	2.17	3.66	6.20	2.81	4.69
63 CF	mm	54.5	55	93	178	71.5	119
	in.	2.15	2.17	3.66	7.01	2.81	4.69

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Technische Zeichnung

DN		a	b	d	h	h <sub>1</sub>	h <sub>2</sub>
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