

TURBOVAC T 1600

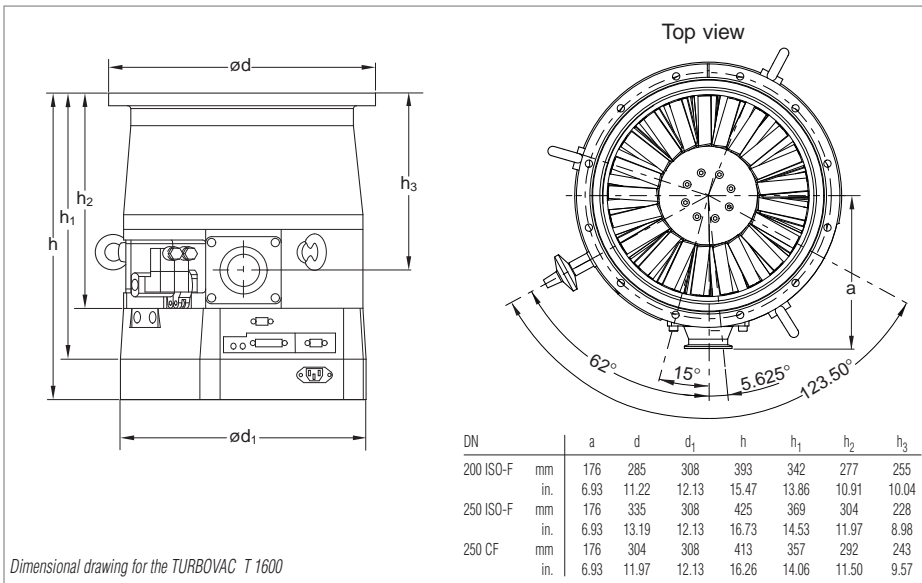


Typical Applications

- ◆ Data storage
- ◆ Flat panel displays
- ◆ Optical coating
- ◆ Large area coating
- ◆ R & D, e.g.
 - Fusion experiments
 - Space simulation

Technical Features

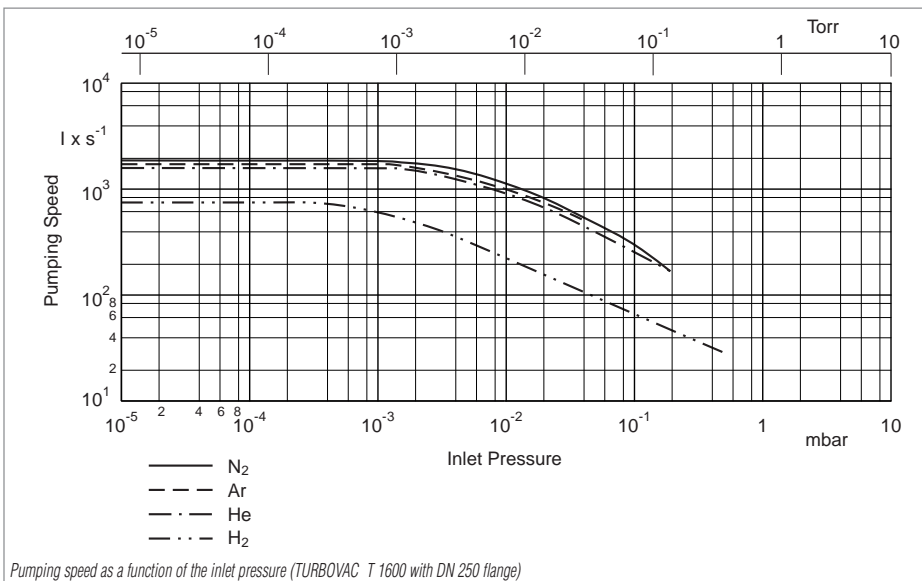
- ◆ Frequency converter and power supply integrated
- ◆ Robust rotor design
- ◆ Operation in any orientation
- ◆ Highest pumping speed and throughput
- ◆ Oil-free pump for generating clean high and ultrahigh-vacuum conditions
- ◆ Purge gas and venting valve integrated



Dimensional drawing for the TURBOVAC T 1600

Advantages to the User

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



Technical Data		TURBOVAC T 1600	
Inlet flange	DN	200 ISO-F	250 ISO-F / 250 CF
Pumping speed			
N ₂	l x s ⁻¹	1100	1550
Ar	l x s ⁻¹	960	1410
He	l x s ⁻¹	1150	1300
H ₂	l x s ⁻¹	690	720
Max. gas throughput			
N ₂	mbar x l x s ⁻¹	30	
Ar	mbar x l x s ⁻¹	20	
He	mbar x l x s ⁻¹	30	
H ₂	mbar x l x s ⁻¹	20	
Compression ratio			
N ₂		5 x 10 ⁵	
Ar		1 x 10 ⁶	
He		1 x 10 ⁴	
H ₂		2 x 10 ²	
Ultimate pressure	mbar (Torr)	< 3 x 10 ⁻¹⁰ (< 2.2 x 10 ⁻¹⁰)	
Max. foreline pressure for N ₂	mbar (Torr)	0.5 (0.375)	
Recommended fore-vacuum pump (alternatively)		TRIVAC D 65 B + RUVAC WA 501 TRIVAC D 65 B EcoDry M	
Run-up time to 95% speed	min	< 10	
Purge / vent port (valve integrated)	DN	G 1/4"	
Cooling water connections	DN	G 3/8"	
Weight, approx.	kg (lbs)	40 (88)	
Supply voltage	V	100 - 240	
Max. power consumption (while running up)	VA	700	

Ordering Information				TURBOVAC T 1600
Inlet flange	Foreline flange	Cooling method	Interface	Part No.
DN 200 ISO-F	DN 40 KF	Water-cooled	-	800040V1144
DN 200 ISO-F	DN 40 KF	Water-cooled	ProfiBus	800040V2144
DN 250 ISO-F	DN 40 KF	Water-cooled	-	800040V1444
DN 250 ISO-F	DN 40 KF	Water-cooled	ProfiBus	800040V2444
DN 250 ISO-F	DN 63 ISO-K	Water-cooled	-	800040V1544
DN 250 CF	DN 40 KF	Water-cooled	-	800040V1844
Accessories for RS 232 C and RS 485 C interfaces				see chapter "Turbomolecular Pumps", para. "Accessories"