

T-STATION 300 TURBOMOLECULAR PUMPING STATION

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Edwards T-Station 300 turbomolecular pumping station builds on the existing popular T-Station 85 platform, by replacing the nEXT85H turbomolecular pump with the nEXT300 turbomolecular pump we have extended our portfolio and are providing a solution for customers and applications that require a higher pumping speed up to 300 ls^{-1} .

T-Station 300 like all our T-Stations is a cost effective, compact and modular pumping station, combining the nEXT300 turbomolecular pump with either the dry XDD1 diaphragm pump or the E2M1.5 oil-sealed rotary vane pump.

With an integrated turbo and active gauge controller that enables single start/stop control giving the choice of pumping speed, extending the performance envelope for the R&D sector.



Higher pumping speed



End user serviceable



Features and benefits

- **Higher pumping speeds**

Providing a solution for customers and applications that require higher pumping speeds up to 300 ls^{-1} .

- **Cost efficient pumping package**

Cost effective, compact and modular.

- **Plug and pump**

Simple user-friendly plug and pump solution with no systemisation and no additional air cooling required, supplied fully assembled and ready to go for quick and easy operation.

- **Robust construction**

Designed to be compact with a low profile, the all metal frame is able to withstand abuse without cracking or breaking and the base plate comes with rubber feet for extra stability.

- **Easy serviceability**

Easy user serviceable pumps make this great for low cost of ownership.

TECHNICAL DATA

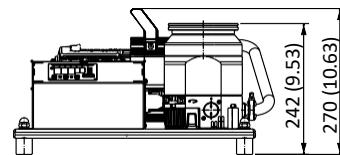
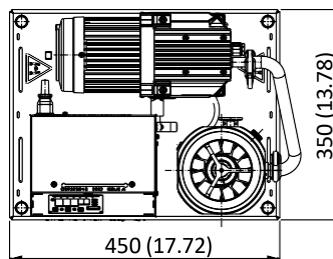
	Units	T-Station 300
Pumping speed for N2		
ISO100	l/s	300
CF100	l/s	300
Compression ratio for N2		
ISO100		$>1 \times 10^{11}$
CF100		$>1 \times 10^{11}$
Backing pump speed 50Hz		
E2M1.5	m³/h	1.6
XDD1	m³/h	1.2
Ultimate vacuum		
ISO100	mbar	$<6 \times 10^{-8}$
CF100	mbar	$<5 \times 10^{-10}$
Exhaust flange		
E2M1.5		11 mm OD nozzle or $\frac{3}{8}$ " BSP
XDD1		Fitted silencer or $\frac{1}{2}$ " BSP
Mass		
TS300 ISO100 E2M1.5	kg	26
TS300 CF100 E2M1.5	kg	29
TS300 ISO100 XDD1	kg	22
TS300 CF100 XDD1	kg	25
Noise level	db(A)	$<56 \pm 3$ dB(A) Declared dual number noise emission values in
Leak tightness	mbar l/s	$<1 \times 10^{-6}$
Operating temperature range		
TS300 E2M1.5	°C	+12 to +40
TS300 XDD1	°C	+5 to +35

ORDERING INFORMATION

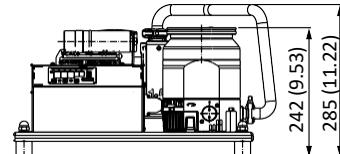
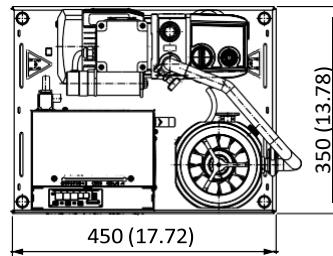
Product description	Order number
T-Station 300D dry ISO100 200-240V	TS300D4001
T-Station 300D dry ISO100 100-120V	TS300D4002
T-Station 300D dry CF100 200-240V	TS300D5001
T-Station 300D dry CF100 100-120V	TS300D5002
T-Station 300D wet ISO100 200-240V	TS300W4001
T-Station 300D wet ISO100 100-120V	TS300W4002
T-Station 300D wet CF100 200-240V	TS300W5001
T-Station 300D wet CF100 100-120V	TS300W5002
Model EMF3 mist filter for E2M1.5 pump	A46220000
N/C TAV5 vent valve connector fitted	B8G200835
N/O TAV5 vent valve connector fitted	B8G200834

DIAGRAMS

T-Station 300 Dry with XDD1 backing pump



T-Station 300 Wet with E2M1.5 backing pump



Product description	Order number
2m electrical supply cable UK plug 10A	A50505000
2m electrical supply cable North European plug	A50506000
2m electrical supply cable USA/Japan plug	A50507000
2m electrical supply cable no plug	A50508000
APG100-XLC active pirani gauge NW16	D02603000
APGX-H active linear convection gauge NW16	D02391000
AIM-X active inverted magnetron gauge NW25	D14642000
WRG-S active wide range gauge NW25	D14701000
0.5m active gauge cable	D40001005
1m active gauge cable	D40001010



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