T-STATION 75 TURBOMOLECULAR PUMPING STATION

Giving you a clear edge

PR

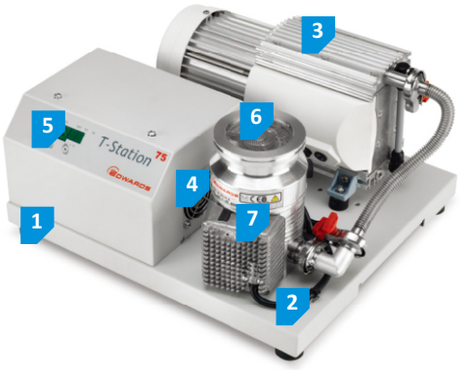
The T-Stati on 75 turbomolecular pumping stati on seamlessly combines an EXT75DX turbopump with either a dry pump or oil sealed pump and a simple controller, providing pumping speeds of 42 l/s – 61 l/s.

The T-station 75 comes with our new TAG (Turbo and Active Gauge) controller fitted as standard which enables single button start/stop of the system, the ability to control one of our active gauges*, vent valve* control and delayed start of the turbopump to either time or pressure if a gauge is fitted, making the T-station 75 ideal for general laboratory needs.

** Gauges and TAV5 vent valve must be purchased separately.*

Compact	Fully assembled	Robust construction
Minimal footprint	**No systemisation required**	**Low cost of ownership**

Features and bene ts



1 Base plate includes rubber feet and cutouts in the sides for manual handling giving a compact low profile but stable design that can't be knocked over

2 All metal frame means rugged design that can take abuse without cracking or breaking

3 E2M1.5 or XDD1 high capacity backing pumps giving the choice between an oil sealed pump or a totally dry diaphragm pump

4 Integrated air cooler acts to cool internal power supply and pump/controller for quiet operation avoiding multiple fans

5 New custom TAG (Turbo and Active Gauge) controller features:
- Single dedicated button to start and stop pumps for easy automated operation
- Turbo speed as a percentage for easy to read accurate display
- Ability to control one active gauge including APG100, AIM, ASG or WRG and choice of units meaning no extra cost for gauge display
- Delayed turbo start to either time, or where a gauge is fitted to pressure, allows automated start-up for larger systems
- Ability to select vent mode where a TAV5 vent valve is fitted for automated venting with no user intervention

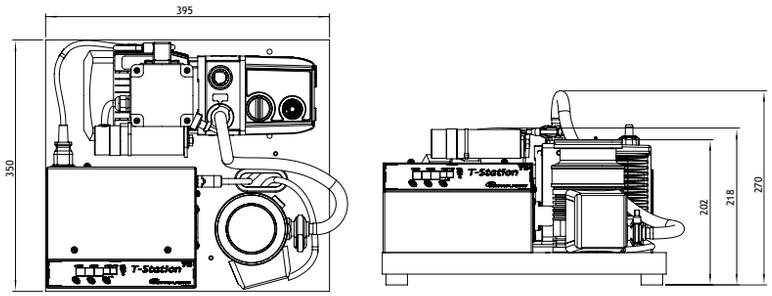
6 Available with either an NW40, ISO63 or CF63 inlet flange to suit your application.

7 TAV5 vent valve can be plugged directly into DX podule and controller allows selection of three modes for maximum flexibility:
- Controlled vent, from 100% then hard vent at 50% speed
- Hard vent at 50% speed
- Fan (continuous power to socket, for use with an air cooler for remote pump mounting, or where venting is not required for an application)

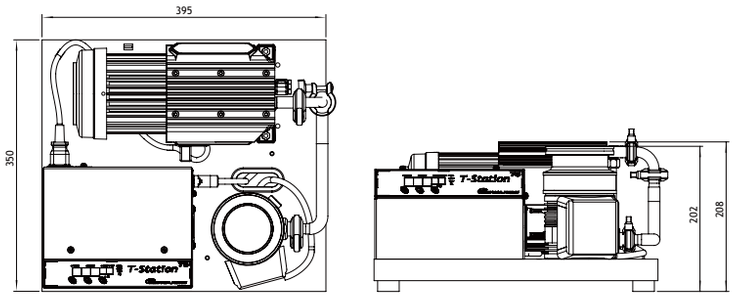
EDWARDS

Technical data and dimensions

Pumping speed for N_2	
NW40	42 l/s
ISO/CF63	61 l/s
Compression ratio for N_2	>1 x 10^{11}
Backing pump speed @50 Hz	
E2M1.5 (TS75W)	1.6 m^3/hr
XDD1 (TS75D)	1.2 m^3/hr
Ultimate pressure	<5 x 10^{-8} mbar
Inlet flange	NW40, ISO63 or CF63
Exhaust flange	
E2M1.5 (TS75W)	11 mm OD nozzle or 3/8" BSP
XDD1 (TS75D)	Fitted silencer or 1/8" BSP
Mass	
E2M1.5 system (TS75W)	21 kg max
XDD1 system (TS75D)	17 kg max
Noise level	56 dB(A)
Leak tightness	<1 x 10^{-6} mbar l/s
Operating temperature range	12 to 40 °C



T-Station 75W with E2M1.5 backing pump



T-Station 75D with XDD1 backing pump