

nEXT TURBOMOLECULAR PUMPING STATION TIC CART XL

edwardsvacuum.com

nEXT Turbomolecular Pumping Station TIC Cart XL are configurable with pump speeds ranging from 240 to 930 ls^{-1} and choice of dry backing nXRi multistage roots pumps that enables the range to pump from 30 to 90 m^3h^{-1} . All our nEXT turbomolecular pumping stations feature an integrated TIC turbo and instrument controller offering full control of the package via a simple intuitive interface.

The nEXT turbomolecular pumping stations are supplied fully assembled and ready to run straight out of the box providing a customer friendly interface using only one power cable. As fully featured high end stations they include RS232 serial communications and Windows® software for monitoring and control.



FEATURES AND BENEFITS

Range of turbomolecular pump options

Choice of turbomolecular pump with speeds ranging from 240 to 930 ls^{-1} and inlet flanges from DN100 to DN200.

Fully controllable

TIC turbo and instrument controller offers full control of pumps and up to 3 Active gauges as well as offering full serial remote communications.

Vent valve option

Optional turbomolecular pump vent valve can be ordered as part of cart assembly.

User serviceable

All nEXT turbomolecular pumps and backing pumps are fully user serviceable.

Robust metal frame

All metal frame with locking castors for a robust but easily mobile system.

Choice of backing pumps

Choice of dry backing pumps with capacities ranging from 30 to 90 m^3h^{-1} .

Low vibration

Backing pump mounted on anti-vibration mounts for low levels of transmitted vibration.

TECHNICAL DATA


Pumping station	nEXT240	nEXT300	nEXT400	nEXT730	nEXT930
Inlet connection	DN100/ISO-K/ DN100CF	DN100/ ISO-/DN100CF	DN160 ISO-K /DN160-CF	ISO-K 160/CF 160	ISO-K 200/CF 200
Forevacuum connection	DN 25 ISO-KF (NW25)	DN 25 ISO-KF (NW25)	DN 25 ISO-KF (NW25)	DN 25 ISO-KF (NW25)	DN 25 ISO-KF (NW25)
Inlet pumping speed N2	240	300	390	730	930
Ultimate pressure mbar	6 x 10 ⁻⁸ 5 x 10 ⁻¹⁰	6 x 10 ⁻⁸ 5 x 10 ⁻¹⁰	1 x 10 ⁻⁸ 1 x 10 ⁻¹⁰	2 x 10 ⁻⁸ 3 x 10 ⁻¹⁰	2 x 10 ⁻⁸ 3 x 10 ⁻¹⁰
Mains supply V	110 / 230	110 / 230	110 / 230	110 / 230	110 / 230

‘PLUG AND PUMP’ TURBOMOLECULAR PUMPING STATION


Everything about our range of nEXT turbomolecular pumping stations has been developed to provide a comprehensive vacuum solution with the latest technological advances for easy installation and operation.

A simplified ordering matrix and expanded range, to include turbopumps with speeds from 240 ls⁻¹ to 930 ls⁻¹, enables you to select the most appropriate combination for your application, fully assembled and ready to go.


1 Choose your turbopump



2 Choose your backing pump



3 Select your voltage



Vacuum isolation valve VIV and the APG200 fitted as a standard accessory

ORDERING INFORMATION

nEXT turbomolecular pumping cart xl:

TC - - 0 0

Turbo

B nEXT240
C nEXT300
D nEXT400
E nEXT240T
F nEXT300T
G nEXT400T
H nEXT730
I nEXT930

Inlet

1 ISO 100
2 CF 100
3 ISO 160
4 CF 160
5 ISO 200
6 CF 200

Backing

1 nXR30i
2 nXR40i
3 nXR60i
4 nXR90i

Vent options

0 Manual vent
1 TAV5 vent valve

Electrical supply

1 220-240V 50/60 Hz Europe
2 110-120V 50/60 Hz USA
3 200V 50/60 Hz Japan
4 220-240v 50/60 Hz UK

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