

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 pumps including the revolutionary nXRi multistage roots pump and nXDS scroll pump that enables the range to pump from 6 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 6 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	16 KF	16 KF	16 KF	16 KF	16KF
Inlet pumping speed N2	240	300	390	730	930
Ultimate pressure mbar	6 x10 ⁻⁸ 5x10 ⁻¹⁰	6x10 ⁻⁸ 5x10 ⁻¹⁰	1x10 ⁻⁸ 1x10 ⁻¹⁰	2x10 ⁻⁸ 3 x 10 ⁻¹⁰	2x10 ⁻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

nEXT240 (240 ls⁻¹) nEXT300 (300 ls⁻¹)
nEXT400 (400 ls⁻¹) nEXT730 (730 ls⁻¹)
nEXT930 (930 ls⁻¹)

2 Choose your backing pump

nXDS6i (6.2 m³h⁻¹)
nXDS10i (11.4 m³h⁻¹)
nXDS15i (15.1 m³h⁻¹)
nXDS20i (22.0 m³h⁻¹)
nXR30i (30 m³h⁻¹)
nXR40i (40 m³h⁻¹)
nXR60i (60 m³h⁻¹)
nXR90i (90 m³h⁻¹)

3 Choose your valve and gauge

VIV valve
TAV valve
APG gauge
WRG gauge

4 Select your voltage

Ordering information
Please contact Edwards

GLOBAL CONTACTS

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