

# nEXT TURBOMOLECULAR PUMPING STATION TIC CART XL

[edwardsvacuum.com](http://edwardsvacuum.com)

nEXT Turbomolecular Pumping Station TIC Cart XL are configurable with pump speeds ranging from 240 to 930  $\text{ls}^{-1}$  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  $\text{m}^3\text{h}^{-1}$ . 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  $\text{ls}^{-1}$  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  $\text{m}^3\text{h}^{-1}$ .

### 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 <sup>-8</sup> 5x10 <sup>-10</sup>	6x10 <sup>-8</sup> 5x10 <sup>-10</sup>	1x10 <sup>-8</sup> 1x10 <sup>-10</sup>	2x10 <sup>-8</sup> 3 x 10 <sup>-10</sup>	2x10 <sup>-8</sup> 3 x 10 <sup>-10</sup>
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<sup>-1</sup> to 930 ls<sup>-1</sup>, enables you to select the most appropriate combination for your application, fully assembled and ready to go.

### 1 Choose your turbopump



nEXT240 (240 ls<sup>-1</sup>)    nEXT300 (300 ls<sup>-1</sup>)



nEXT400 (400 ls<sup>-1</sup>)    nEXT730 (730 ls<sup>-1</sup>)



nEXT930 (930 ls<sup>-1</sup>)

### 2 Choose your backing pump



nXDS6i (6.2 m<sup>3</sup>h<sup>-1</sup>)  
nXDS10i (11.4 m<sup>3</sup>h<sup>-1</sup>)  
nXDS15i (15.1 m<sup>3</sup>h<sup>-1</sup>)  
nXDS20i (22.0 m<sup>3</sup>h<sup>-1</sup>)



nXR30i (30 m<sup>3</sup>h<sup>-1</sup>)  
nXR40i (40 m<sup>3</sup>h<sup>-1</sup>)  
nXR60i (60 m<sup>3</sup>h<sup>-1</sup>)  
nXR90i (90 m<sup>3</sup>h<sup>-1</sup>)

### 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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