

nEXT730 AND nEXT930 TURBOMOLECULAR PUMP

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Edwards are proud to introduce two new additions to the nEXT product family, the nEXT730 and the nEXT930. With the nEXT730 and nEXT930, Edwards is extending the range of our market leading nEXT platform with two new larger pumps offering speeds significantly over 700 l/s and 900 l/s for nitrogen.

As well as addressing the general R&D market, where faster pumping speeds are sometimes required, these pumps are also designed to meet the requirements of the coating market and other diffuse market sectors such as Heat treatment, Furnace applications, Ebeam welding, Etch, Ion implant, Degassing and Cylinder evacuation.

For our OEM customers derivative versions of these products can be developed, just like the existing nEXT pumps, and like the existing nEXT pumps split flow variants are possible. This will give benefits for our customers with larger instruments as well as the possibility to reduce the total number of pumps on existing instruments.

The new products offer market leading performance for pumps of their class, and in a compact footprint. The pumps feature bearings with a typical life time of at least 4 years with no maintenance, which can then be replaced simply and economically by the customer themselves when required or customers may choose from our other service support offerings.

The pumps are able to operate in any orientation, and are supported by a full range of accessories for cooling, venting, powering and control.

Features and benefits

- Class leading pumping speeds
- Outstanding compression ratios
- Ease of integration and installation
- Assured reliability
- End user service capability
- Full nEXT established communication interface

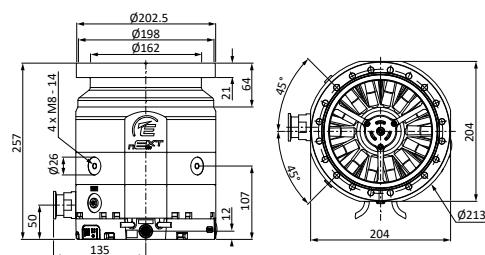


Technical data

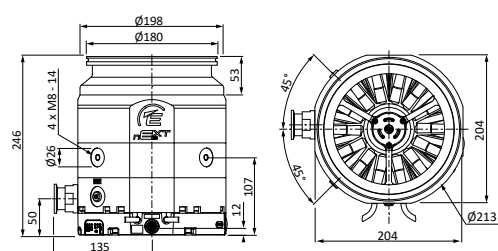
	Units	nEXT730D		nEXT930D	
		ISO-K 160	CF 160	ISO-K 200	CF 200
Main inlet pumping speed					
N ₂ l s ⁻¹	l/s	730		925	
He l s ⁻¹	l/s	820		905	
H ₂ l s ⁻¹	l/s	715		735	
Ar l s ⁻¹	l/s	665		865	
Peak compression ratio from the backing port to the main inlet port					
N ₂		>10 ¹¹		>10 ¹¹	
He		1.2X10 ⁸		1.2X10 ⁸	
H ₂		4X10 ⁶		4X10 ⁶	
Ar		>10 ¹¹		>10 ¹¹	
Ultimate pressure (mbar) (CF)		3.0X10 ⁻¹⁰		3.0X10 ⁻¹⁰	
Weight (kg)		14.6	19.6	15.4	21.7
Throughput at full speed:					
N ₂	mbar l/s	14		14	
He	mbar l/s	21		21	
H ₂	mbar l/s	>15		>15	
Ar	mbar l/s	3.5		3.5	

Dimensions

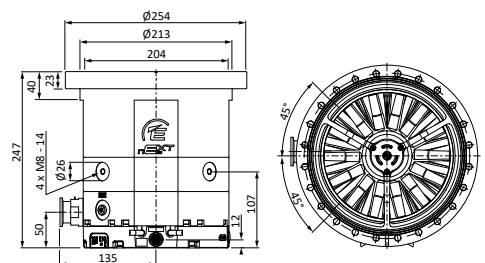
nEXT730D CF160



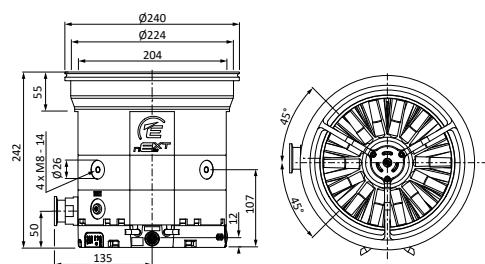
nEXT730D ISO-K160



nEXT930D CF200



nEXT930D ISO-K200



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