

nEXT M MAGNETICALLY LEVITATED TURBOMOLECULAR PUMPS

edwardsvacuum.com

Our range of nEXT M pumps have been developed for applications requiring HV (high vacuum), hydrocarbon-free processes and minimal levels of vibration

In these pumps the rotor and stator blades are magnetically levitated. Eliminating the traditional oil-lubricated bearing systems significantly reduces noise and vibration levels, as well as ensuring a hydrocarbon-free vacuum.

The reduced wear and tear of these pumps also means they require minimal maintenance ensuring reliable, service-free performance for up to 80,000 hours.

There are two models available in the nEXT M range, the nEXT2807M and the nEXT3207M. With pumping speeds up to 3200 l/s (for nitrogen), they are an ideal for coating applications as well as for general scientific research and industrial processes.

The nEXT M range are one of the lightest and most compact mag turbo pumps on the market and can be mounted in any orientation, making them highly versatile and the go-to choice where lack of space is a key consideration.

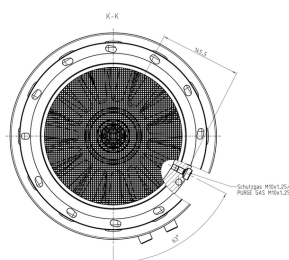
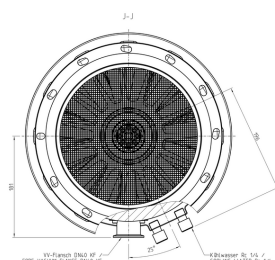
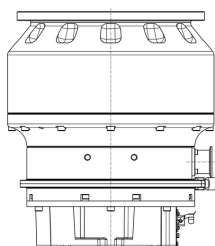
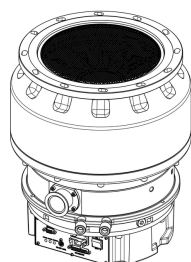
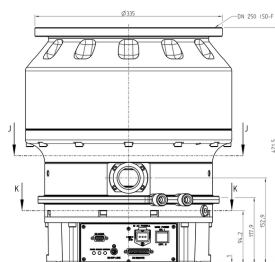


TECHNICAL SPECIFICATIONS

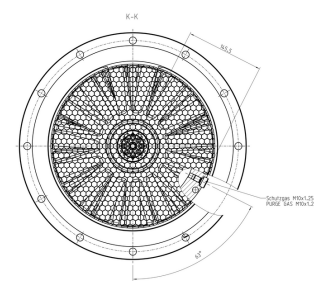
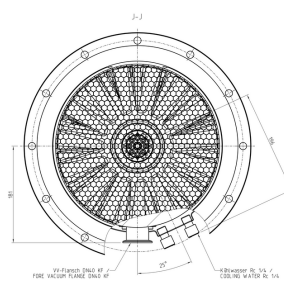
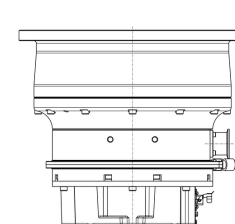
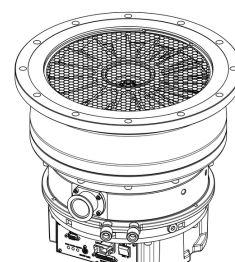
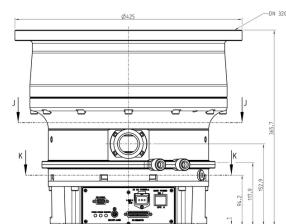
	Unit	nEXT2807M	nEXT3207M
Weight	Kg	59	57
Power In	W	750	750
Admissible ambient magnetic field (Axial)	mT	15	15
Admissible ambient magnetic field (Radial)	mT	3	3
Pumping Speed (l/s)	N ₂	2350	3200
	Ar	2150	3000
	He	2500	2750
	H ₂	1850	1950
Max. Compression Ratio	N ₂	5 x 10 ⁶	
	Ar	>10 ⁷	
	He	1 x 10 ⁴	
	H ₂	1 x 10 ³	
Max. Throughput (mbar l/s)	N ₂	33 continuously	
	Ar	26 continuously	
Max. FV Pressure (mbar)	N ₂ / Ar	1.4	
Ultimate pressure (mbar)	<1x10 ⁻⁸	<1x10 ⁻⁸ (after baking)	

DIMENSIONAL DRAWINGS

nEXT 2807M
turbomolecular
pump



nEXT 3207M
turbomolecular
pump



ORDERING INFORMATION

Pumps

B8SM-A0G-60	nEXT2807M – DN 250 ISO-F; ProfiBus
B8SM-A0G-61	nEXT2807M – DN 250 ISO-F; RS485
B8TM-A0M-60	nEXT3207M – DN 320 ISO-F; ProfiBus
B8TM-A0M-61	nEXT3207M – DN 320 ISO-F; RS485
Accessories	
B8G200850	Purging gas valve 0.6 / 24VDC / 1, 5-6 Bar
B8G200851	Purging gas valve 0.6 / 24VDC / 1-1, 5-6 Bar
412207V01	Purge adapter set for nEXT2807M and nEXT3207M
Set of bolts, nuts and washers for ISO-F flange	
400153V0023	Bolts set 12 x M 10 x 35, 12.9 - coated (nEXT2807M)
400153V0022	Bolts set 12 x M 10 x 50, 12.9 - coated (nEXT2807M)
400153V0021	Bolts set acc 12 x M10 x 50 (stud bolts), 12.9 - coated (nEXT2807M)
400153V0019	Bolts set 12 x M x 12 x 45, 12.9 - coated (nEXT3207M)
400153V0020	Bolts set 12 x M 12 x 60, 12.9 - coated (nEXT3207M)

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