

nEXT240, nEXT300, nEXT400

		nEXT240	nEXT300	nEXT400
Inlet flange		DN100 ISO-K or DN100 CF	DN100 ISO-K or DN100 CF	DN160 ISO-K or DN160 CF
Inlet pumping speed ls ⁻¹	N ₂	240	300	400
	Ar	230	280	380
	He	230	340	390
	H ₂	165	280	325
Compression ratio (D)	N ₂ /Ar	>1 x 10 ¹¹	>1 x 10 ¹¹	>1 x 10 ¹¹
	He	3 x 10 ⁵	1 x 10 ⁶	1 x 10 ⁸
	H ₂	1 x 10 ⁴	5 x 10 ⁴	5 x 10 ⁵
Compression ratio (T/H)	N ₂ /Ar	>1 x 10 ¹¹	>1 x 10 ¹¹	>1 x 10 ¹¹
	He	1 x 10 ⁶	3 x 10 ⁶	>1 x 10 ⁸
	H ₂	1.5 x 10 ⁴	1 x 10 ⁵	1 x 10 ⁶
Backing/interstage/boost ports		NW25	NW25	NW25
Vent/purge port		1/8 inch BSPP	1/8 inch BSPP	1/8 inch BSPP
Critical backing pressure (D/H)	mbar	9.5	9.5	10
Critical backing pressure (T)	mbar	20	20	20
Bake out water cooled/forced air cooled max.	°C	120/115°	120/115°	120/115°
Recommended backing pump*		RV12/nXDS10i	RV12/nXDS10i	RV12/nXDS10i
Normal rotational speed (rpm)		60,000	60,000	60,000
Start time to 90% speed (sec) D/H (T)		115 (150)	145 (190)	180 (210)
Mass (kg) D/H (T)	ISO	5.7 (6)	5.7 (6)	6.5 (6.8)
	CF	8.8 (9.1)	8.5 (8.8)	9.5 (9.8)

* A smaller backing pump may be used depending on application.

nEXT730Q, nEXT730D, nEXT730H

		nEXT730Q	nEXT730D		nEXT730H	
Inlet flange		DN 160 ISO-K	DN 160 ISO-K	DN 160 CF	DN 160 ISO-K	DN 160 CF
Inlet pumping speed ls ⁻¹	N ₂	730	730	690	720	680
	Ar	665	665	620	655	610
	He	820	820	760	850	790
	H ₂	715	715	670	755	710
Gas throughput mbar ls ⁻¹	N ₂	>40	14		4	