

### Technical Specification

<b>Technical Specification</b>	
<b>Pumping Speed@ISO 63</b>	<b>Ls</b>
N	67 Ls
He	63 Ls
H	53 Ls
Ar	66 Ls
<b>Max Gas Throughput (*)</b>	<b>Air Cooling(35°C ambient temperature)</b>
N2	100 Sccm
Ar	70 Sccm
<b>Compression ratio and foreline tolerance (**)</b>	
N2	>14 mbar
He	>12 mbar
H	>04 mbar
Ar	>14 mbar
Base pressure with recomm. forepump	< 5 x 10 <sup>-10</sup> mbar
Inlet flange	ISO 63
Foreline flange	KF16 NW
Rotational speed	81000 rpm (1350 Hz driving frequency)
Start-up time	< 2 min
Operating position	Any
Oper. ambient temp.	+5 °C to +35 °C
Rel. humidity of	0 - 90 % (not condensing)
Bakeout temp.	80 °C for ISO (120 °C for CFF) at inlet flange
Lubricant	Permanent lubricated ceramic Upper and lower bearing
Air cooling	Forced air (5-35 °C ambient temp.) Air flow temperature +5° C to +35 °C
Water cooling	Water temperature from +15°C to +25°C Water flow min. 65 L/h
Noise Pressure level (at 1 mt at full speed)	40 db(A)
Storage temp.	_40 degree to 70 degree c
Max altitude	3000m
Weight kg (lbs) @ISO63	2.05 kg (4.50 lbs)
Conformity to norms	CE, C-CSA-US, RoHS compliant as per 2011/65/UE
Service	Should have after sales and service center in Bangalore to assist with Bearing repalcement. The service center should have balancing and chanellesing capability