



Alcatel ATH-2303M

Technical Specifications

		ATH 2303 M		ATH 2300 MT		ATP 2300 M	
Rotational Speed	rpm	31000					
Inlet Flange		DN200	DN250	DN200	DN250	DN200	DN250
Pumping Speed with inlet screen	N ₂ l/s	1250	1850	1250	1850	1250	1750
	Ar l/s	1200	1750	1200	1750	1200	1650
	He l/s	1500	1600	1500	1600	1700	1800
	H ₂ l/s	1200	1200	1200	1200	1700	1700
Compression ratio	N ₂	> 1 x 10 ⁸				> 1 x 10 ⁸	
	Ar	> 1 x 10 ⁸				> 1 x 10 ⁸	
	He	> 3 x 10 ⁴				> 1 x 10 ⁵	
	H ₂	> 1 x 10 ³		> 2 x 10 ³		> 7 x 10 ³	
Ultimate Pressure	mbar	< 6 x 10 ⁻⁹				< 4 x 10 ⁻⁹	
Recommended Purge Flow Rate	sccm	50					
Maximum continuous inlet pressure N ₂ *	mbar	0.3		0.01		0.33	
Maximum continuous exhaust pressure N ₂ **	mbar	2.5		2.8		2.1	
Maximum throughput N ₂ (M: cold, MT: 65°C)*	sccm	4000		1000		2200	
Maximum heating temperature	°C	N/A		75		N/A	
Maximum baking temperature	°C	120					
Vibration level (displacement)	µm	< 0.01					
Recommended backing pump		ADS602					
Recommended cooling water flow rate	l/hour	60					
Cooling water temperature	°C	15-40					
Mounting orientation		Any					
Exhaust flange		DN40 ISO KF					
N ₂ purge flange		DN16 ISO KF					
Start up time (maximum)	mn	8				8	
Pump weight	kg (lb)	60 (132.3)				52 (112)	
Remote Controller type		Magpower					
Controller weight	kg (lbs)	8.7 (19)					
Start up Power	Watt	1000				1000	
Nominal Power	Watt	350				350	
Controller power supply		200-240V - 50/60 Hz Single phase					
Stainless steel inlet screen (factory setting)		yes					
OBC (on-board-control) control option	Profibus	yes					
	Remote	yes					
	Device net	yes					

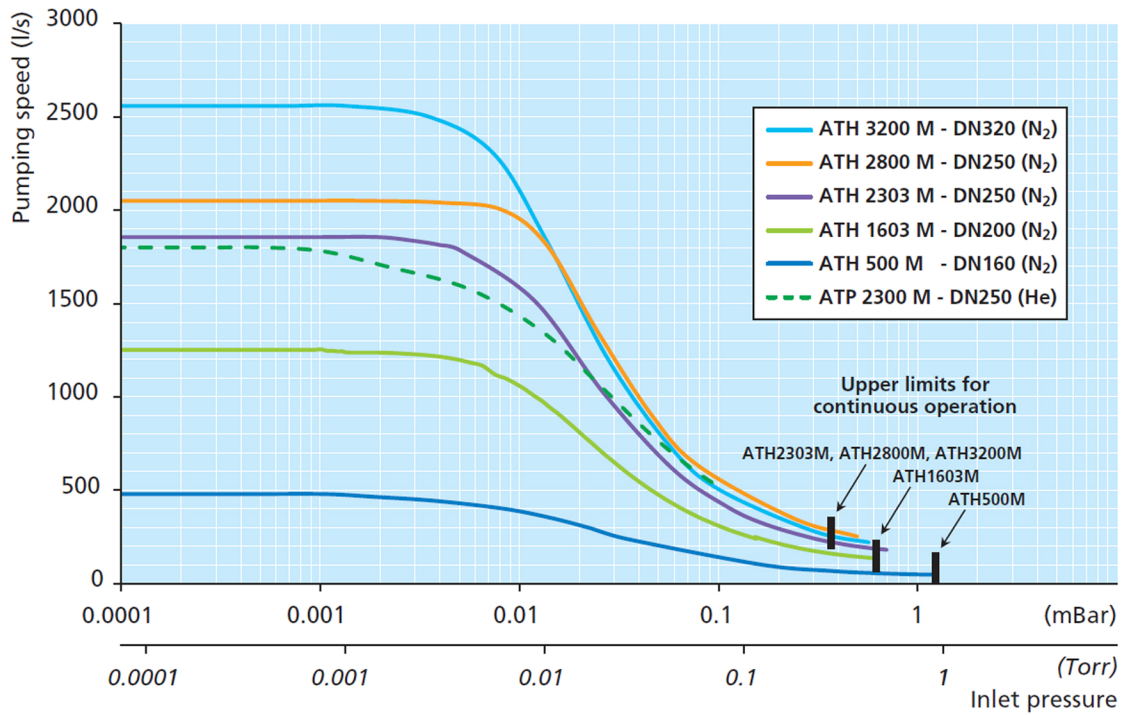
*Depends on external conditions of water temperature, water flow, environment temperature

** Exhaust pressure limit without flow speed loss. Depends on certain external condition

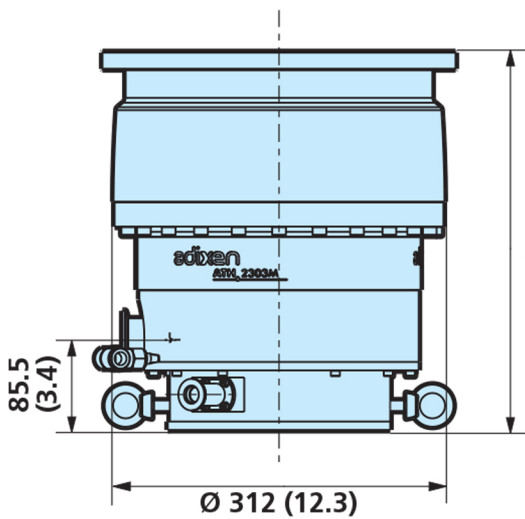


Alcatel ATH-2303M

Pumping Curves



Dimensions



Purge DN 16 ISO-KF

Water inlet and outlet
1/4 NPT FEMALE

Exhaust
DN 40 ISO KF

Electrical
power supply

Inlet Flange	H*	
	mm	inches
DN 250 ISO-F	358.1	14.1
DN 250 CF-F	403.0	15.9
DN 200 ISO-F	416.0	16.4

Contact us for dimension with OBC



PROVAC

S A L E S

PHONE: 831-462-8900

FAX: 831-462-3536

WWW.PROVAC.COM

Alcatel ATH-2303M

Features & Benefits

- installation in any orientation
- heated version available for corrosive applications
- integrated electronic controller
- lubricant-free magnetic bearings
- high throughput for all process gases

Applications

- surface analyzers • leak detectors • biotechnology • residual gas analysis • bonding • medical technologies • isolation vacuums
- heat treatment • nanotechnology • semiconductor • coating
- research & development

