



Agilent Mini-Task AG-81

Technical Specifications

Pumping speed (l/s)	With CF 4.5" or ISO-63: N ₂ : 60 l/s He: 55 l/s H ₂ : 40 l/s	With KF-40 NW: N ₂ : 40 l/s He: 45 l/s H ₂ : 36 l/s
Base pressure*	5 x 10 ⁻⁸ mbar (3.75 x 10 ⁻⁸ Torr)	
Inlet flange	CF 4.5" O.D.; ISO-63; KF-40 NW	
Rotational speed	75,000 rpm	
Start-up time	< 2 minutes	
Operating position	Any	
Operating ambient temperature	+ 5°C to + 35°C	
Bakeout temperature	120°C at inlet flange max. (CF flange) 80°C at inlet flange max. (ISO flange)	
Noise level	55 dB(A) at 1 meter	
Lubricant	Permanent lubrication	
Power supply (Line type): Input voltage: Input frequency: Max input power: Stand-by power:	100-240 VAC 50/60 Hz 220 VA 10 W	
Protection fuse	2.5 A	
Compliance with:	UNI EN 292-1 UNI EN 292-2 EN 55011 (Class A Group 1) EN 61000/3/2 EN 61000/3/3 EN 61000/4/2 EN 61000/4/3 EN 61000/4/4 EN 61010-1 EN 1012-2	
Installation category	II	
Pollution degree	2	
Power cable	With European, USA or UK plug 2 meters long	
Serial communication (kit)	RS232 cable with a 9-pin D type male connector and a 9-pin D type female connector, and software (optional)	
Storage temperature	-20°C to +70°C	
Weight kg (lbs)	ISO and KF: 7.5 (16) CFF: 8.3 (18)	



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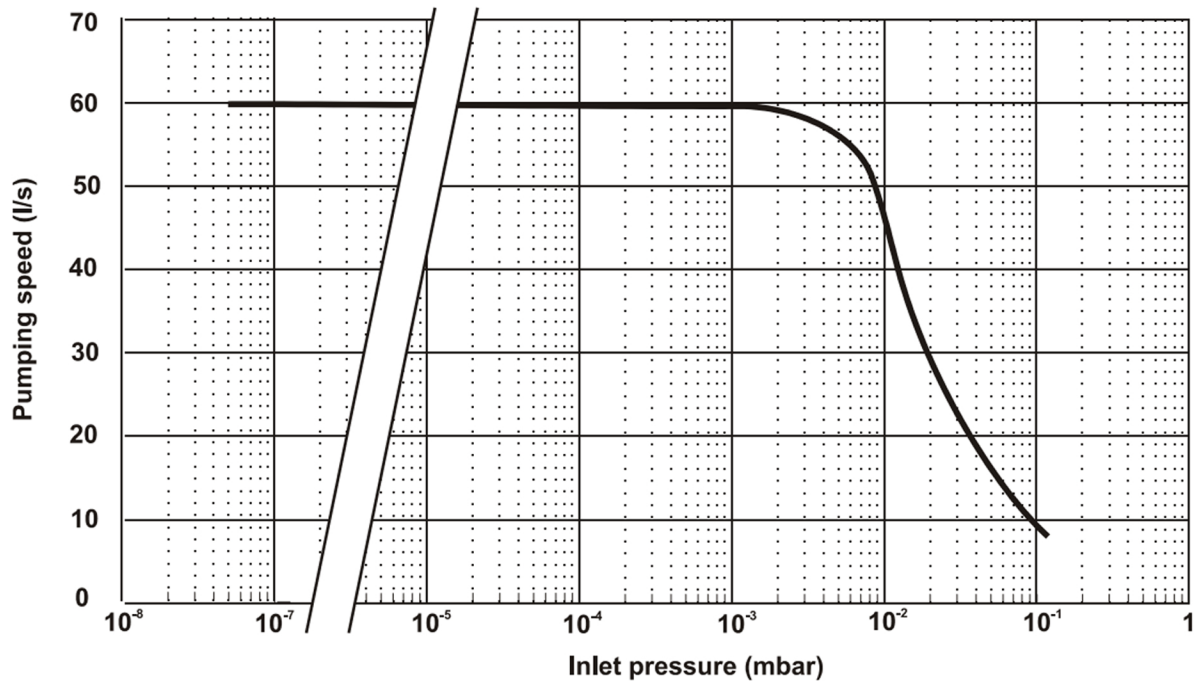
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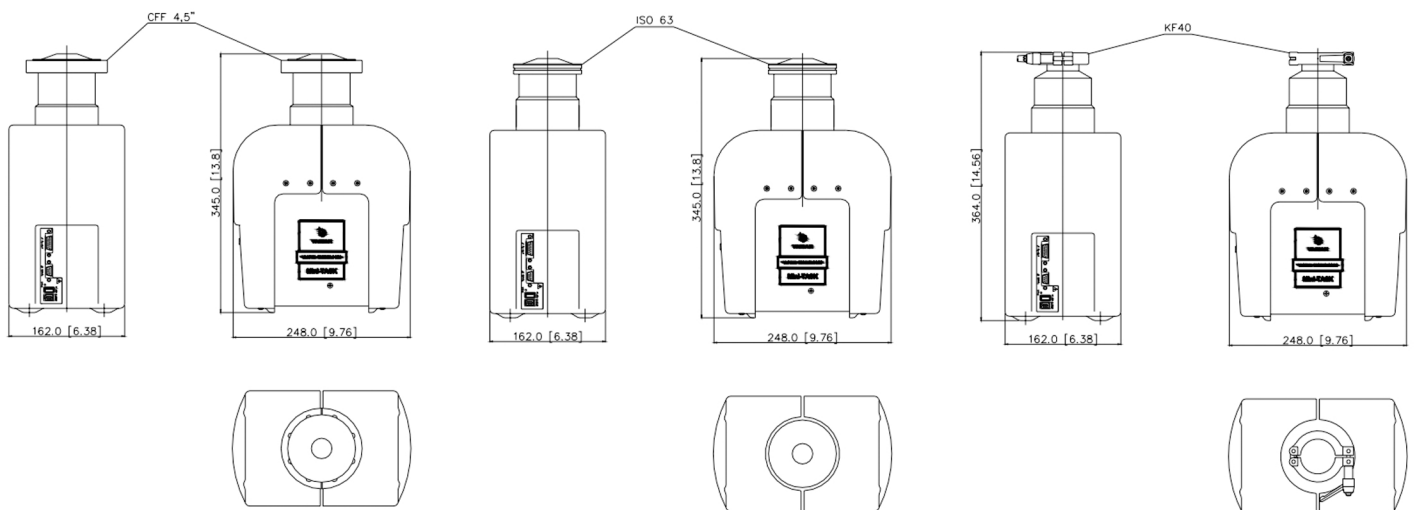
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Pumping Curves



Graph of pumping speed vs inlet pressure

Dimensions





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Features & Benefits

- design to meet demanding applications while being cost effective
- oil-free high-performance vacuum pump system
- consists of a pump with an integrated controller & forepump
- lower power requirements optimized by new generation controller
- higher foreline pressure tolerance
- higher pumping speed & throughput
- operates in any position

