



Agilent AX-65

Technical Specifications

Pumping speed*, operating range	65 l/sec air, 90 l/s He and H ₂
Maximum throughput	0.19T-l/s (0.25 mbar-l/s) in operating range, 0.30T-l/s (0.40 mbar-l/s) @ 0.01 Torr
Compression ratio	4 x 10 ⁷ (air), 2 x 10 ⁶ (helium)
Operating range	3 x 10 ⁻³ to <5 x 10 ⁻⁸ Torr (3.9 x 10 ⁻³ to 6.5 x 10 ⁻⁸ mbar)
Maximum forepressure	No load: 0.75 Torr (1.00 mbar) Full load: 0.60 Torr (0.78 mbar)
Backstreaming rate**	With cold cap: <2 x 10 ⁻⁴ mg/cm ² /min With baffle: <2 x 10 ⁻⁵ mg/cm ² /min
Recommended backing pump	≥1.5 cfm (2.5 m ³ /hr)
Warmup time	7 minutes
Cooldown time	10 minutes
Fluid charge	30 cc
Electrical requirements	1 ph, 50/60 Hz, 90/115/165/220 VAC
Pump power	200/250 watts
Air cooling	30 cfm





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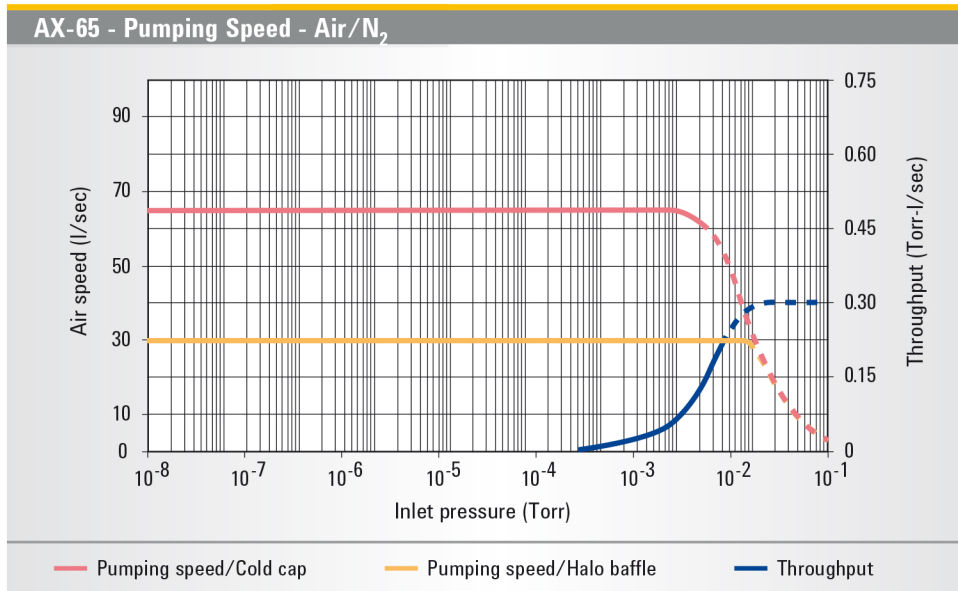
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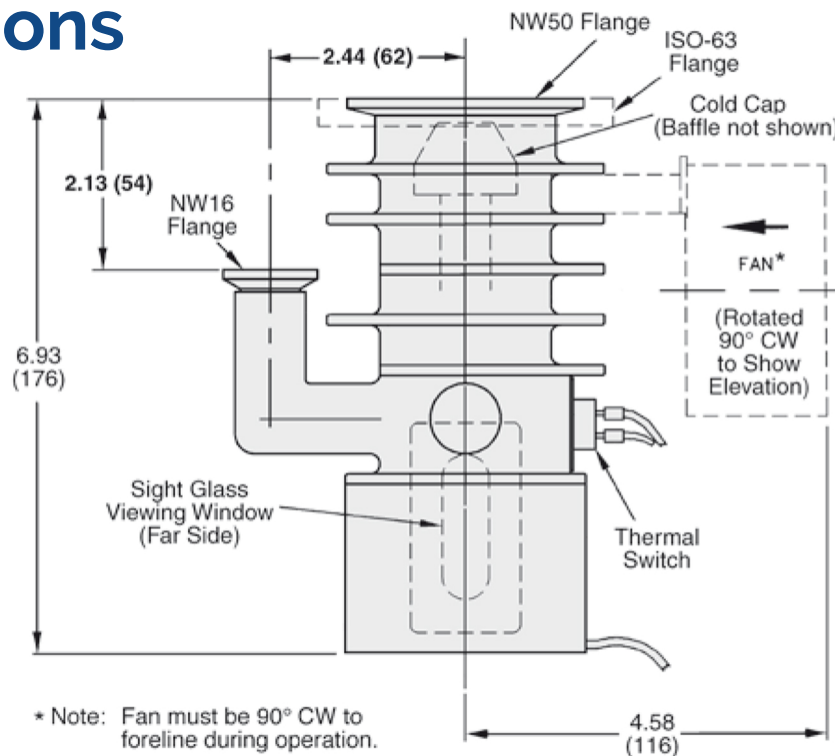
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Agilent AX-65 Pumping Curves



Dimensions



Dimensions: inches (millimeters)



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Features & Benefits

- low cost of ownership
- fully optimized jet
- highest throughput
- high pumping speeds
- low ultimate pressure
- long-term reliability
- fluid-level sight glass provides quick indication of fluid status
- fractionating jet purifies pumping fluid
- stainless steel pump body and jet
- high tolerable forepressure
- excellent backstreaming
- built for production volumes
- robust boiler design
- easy to maintain

Applications

- vacuum furnaces • metallizing • large area coating • molecular beams • thin film deposition • optical/electronic/protective coating