



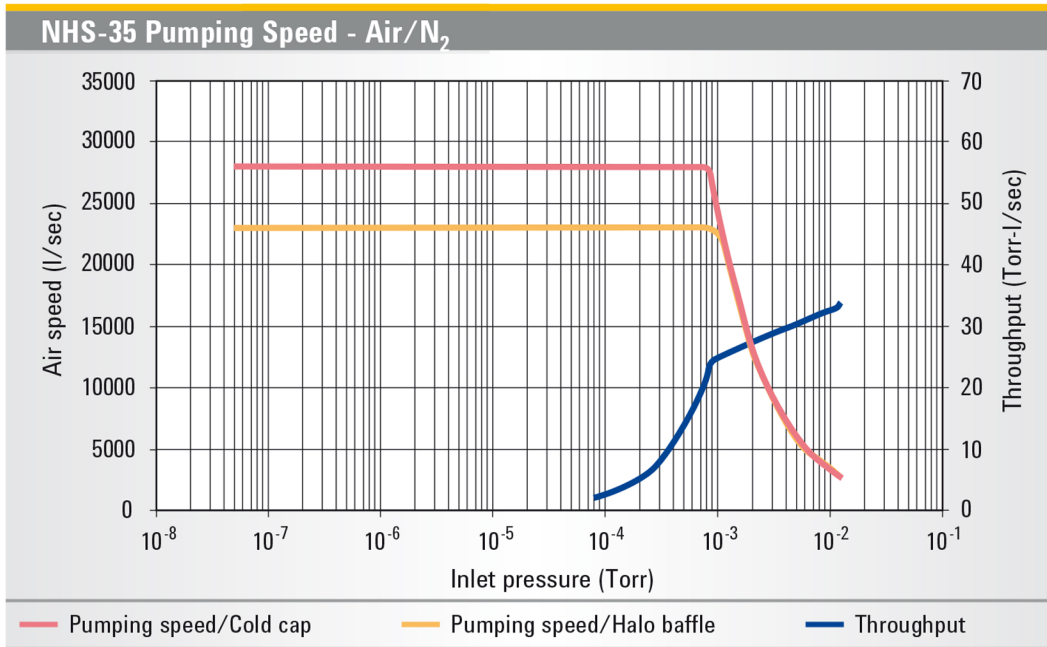
# Agilent NHS-35

## Technical Specifications

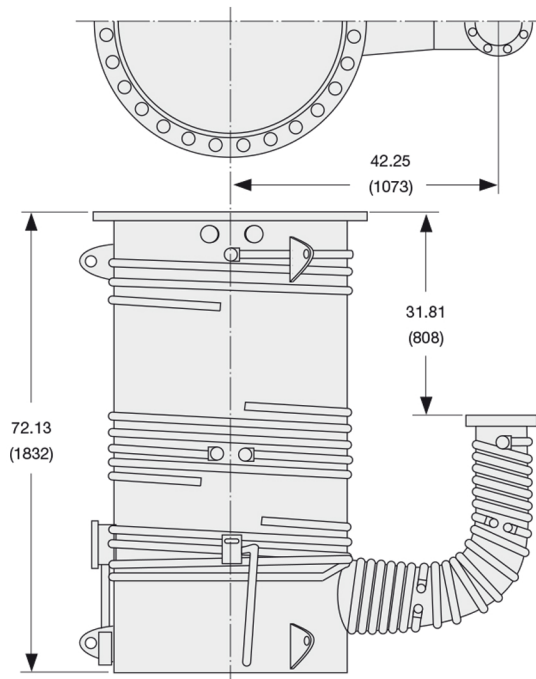
	NHS-35
Previous model number	<b>0169</b>
Pumping speed*, l/s (operating range) Air Helium & hydrogen Pumping speed AVS 4.1 (1963)*	28,000 35,000 50,000
Maximum forepressure, Torr (mbar) No load Full load	0.55 (0.71) 0.40 (0.52)
Maximum throughput, T-l/s (mbar-l/s) In operating range @ $1 \times 10^{-2}$ Torr ( $1.3 \times 10^{-2}$ mbar)	25 (33) 35 (45.5)
Minimum recommended backing pump for maximum throughput, cfm ( $m^3/hr$ )	300 (510)
Backstreaming rate at inlet flange $mg/cm^2/min$ (standard cold cap)*	$5 \times 10^{-4}$
Warmup time, minutes	60
Cooldown time, minutes with quick cool coil, where applicable	60
Fluid charge	3 U.S. gal. (11.3 liters)
Electrical requirements	50/60 Hz 240/415/480 V
Power, watts	24
Cooling water, U.S. gpm (l/hr) at 60-80 °F (15-26 °C)	4.0 (800)



## Agilent NHS-35 Pumping Curves



## Dimensions



Dimensions: inches (millimeters)





# PROVAC

## SALES

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## Agilent NHS-35

### 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