



Pfeiffer A803H, A1803H

Technical Specifications

	A 803 H	A 1803 H
Flange (out)	DN 40 ISO-KF	DN 40 ISO-KF
Flange (in)	DN 100 ISO-K	DN 100 ISO-K
Dimensions (L x W x H)	894 x 390 x 880 mm	1,058 x 390 x 986mm
Cooling	Water	Water
Noise level, max.	68 dB (A)	69 dB (A)
Continuous inlet flow, max.	100 slm	70 slm
Cooling water flow, min.	2.5 l/mn	2.5 l/mn
N ₂ purge gas flow, max.	120 slm	120 slm
N ₂ purge gas flow, min.	20 slm	20 slm
Power supply voltage, 3 phase	200-208 V; 380-400 V; 415 V; 460 V; 480 V	200-208 V; 380-400 V; 415 V; 460 V; 480 V
Ambient temperature	5 to 40 °C	5 to 40 °C
Full load current	20 A; 27 A (for 200-208 V)	10 A; 32 A (for 200-208 V)
Water connector	Brass, stainless steel; 1/4 inch, 3/8 inch NPT	Brass, stainless steel; 1/4 inch, 3/8 inch NPT

	A 803 H	A 1803 H
Frequency	60 Hz	60 Hz
Weight	385 kg	545 kg
Power consumption at ultimate pressure, 50 Hz	2.2 kW	
Power consumption at ultimate pressure, 60 Hz	2.4 kW	2.8 kW
Pumping speed at 50 Hz	600 m ³ /h	
Pumping speed at 60 Hz	700 m ³ /h	1700 m ³ /h
Typical base pressure, 50 Hz	1 · 10 ⁻³ hPa	
Typical base pressure, 60 Hz	5 · 10 ⁻⁴ hPa	5 · 10 ⁻⁴ hPa
Typical base pressure with N ₂ purge, 50 Hz	1 · 10 ⁻² hPa	
Typical base pressure with N ₂ purge, 60 Hz	5 · 10 ⁻³ hPa	5 · 10 ⁻³ hPa
Volume size, max.	1 m ³	1 m ³



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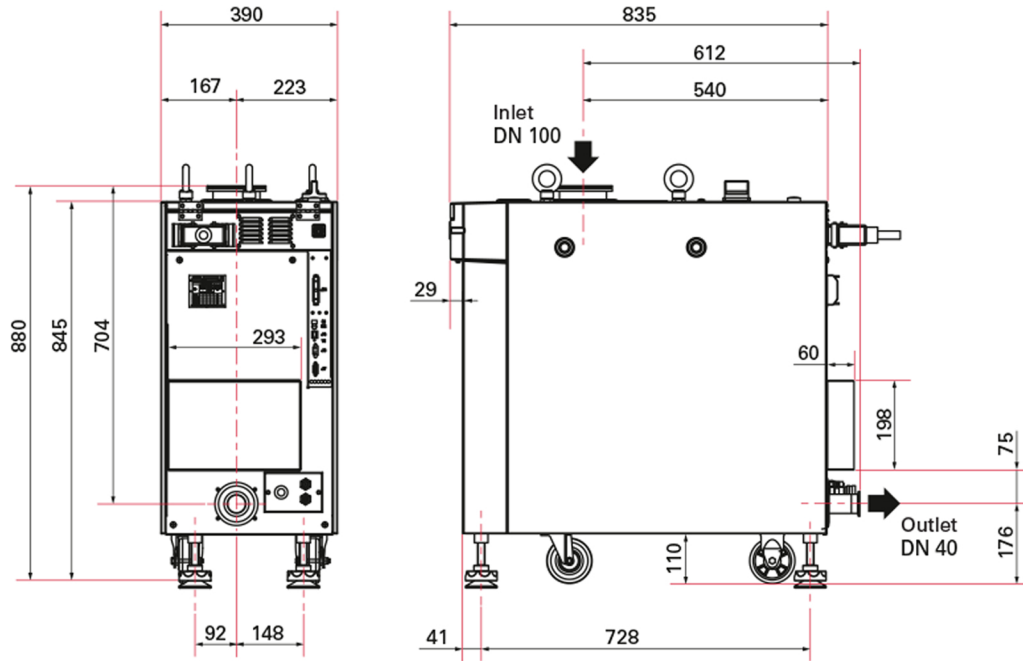
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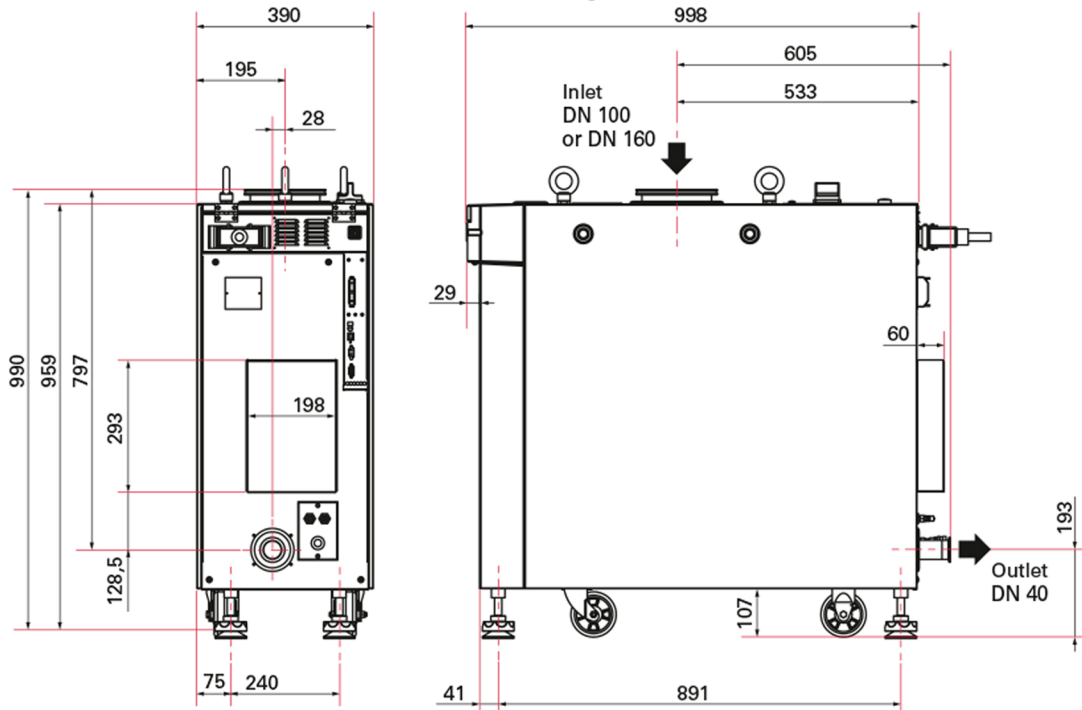
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Dimensions

A803H



A1803H





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Pfeiffer A803H, A1803H Features & Benefits

- high inlet flow capability
- optimized thermal management
- energy & cost efficient
- dedicated to harshest applications of the semi-conductor industry
- corrosion-resistant materials
- high gas throughput
- high particle tolerance & condensation resistance
- compact and modular construction allows for space-saving integration
- long maintenance intervals & low energy consumption

Applications

- metal etching • CVD processes (PECVD, SACVD, LPCVD) • ALD
- diffusion processes • epitaxy • semiconductor

