



# Seiko Seiki STP-H803, H1303

## Technical Specifications

Item		H803 Series	H1303 Series
Flange size	Inlet port flange	VG150/ISO160	VG200/ISO200
	Outlet port flange	KF40	KF40
Pumping speed	N <sub>2</sub> L/s	800	1300
	H <sub>2</sub> L/s	600	1000
Compression ratio	N <sub>2</sub>	>10 <sup>8</sup>	
	H <sub>2</sub>	10 <sup>4</sup>	
Ultimate pressure	Pa (Torr)	10 <sup>-7</sup> (10 <sup>-9</sup> ) order (after baking)	
Maximum working pressure* <sup>1</sup>	Pa (Torr)	13.3 (0.1): Water cooling	
Allowable backing pressure* <sup>1</sup>	Pa (Torr)	270 (2): Water cooling	
Rated speed	rpm	32,500	
Starting time	min	7	
Stopping time	min	8	
Noise	dB	<50 (at 32,500 rpm)	
Baking temperature	°C	<120	
Lubricating oil		Not necessary	
Installation position		Free	
Cooling method		Water cooling	
Standard backing pump	L/min	>1,300	
Mass* <sup>2</sup>	kg	39	
Dimensions	mm	Φ 270×H343(VG150) Φ 270×H350(ISO160F)	Φ 270×H312
Ambient temperature range	°C	0 to 40	
Storage temperature range	°C	- 25 to + 55	

The values shown in the table are typical.; They are not guaranteed.

\*<sup>1</sup>: The pressure is applicable under conditions that N<sub>2</sub> or other similar gas is vacuumed and the backing pump (pumping speed: 1,300 L/min) is used.

\*<sup>2</sup>: Mass is a value of state that the only standard accessory was installed (except the optional accessory).



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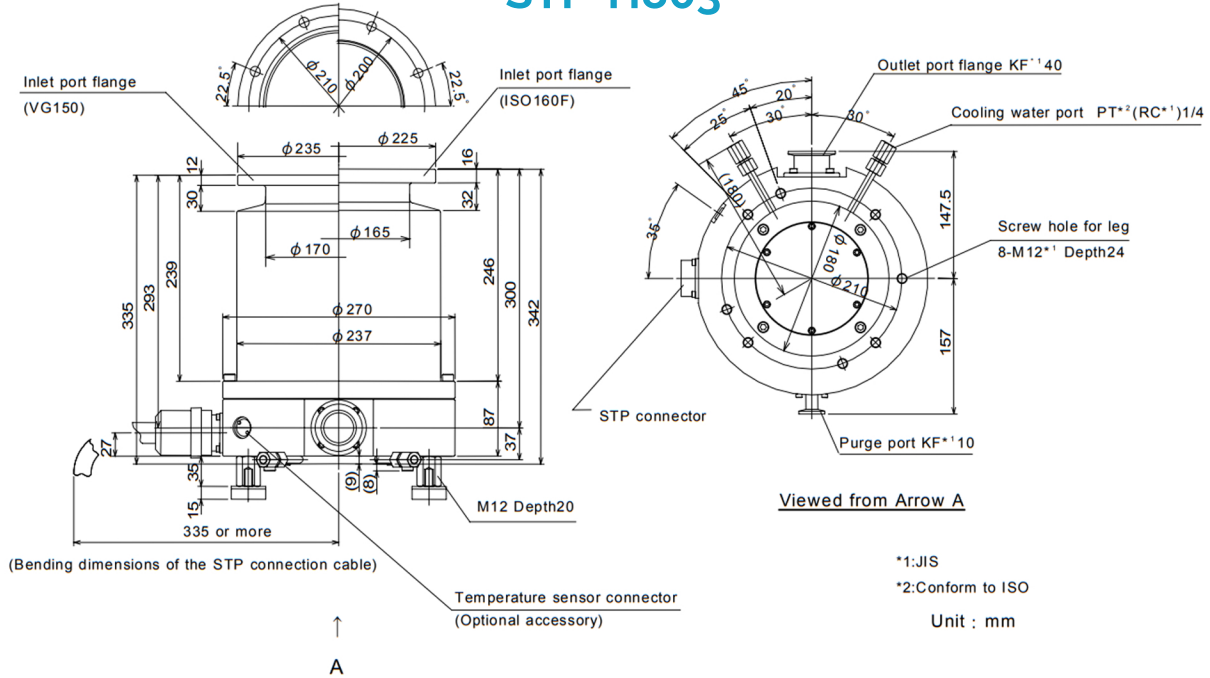
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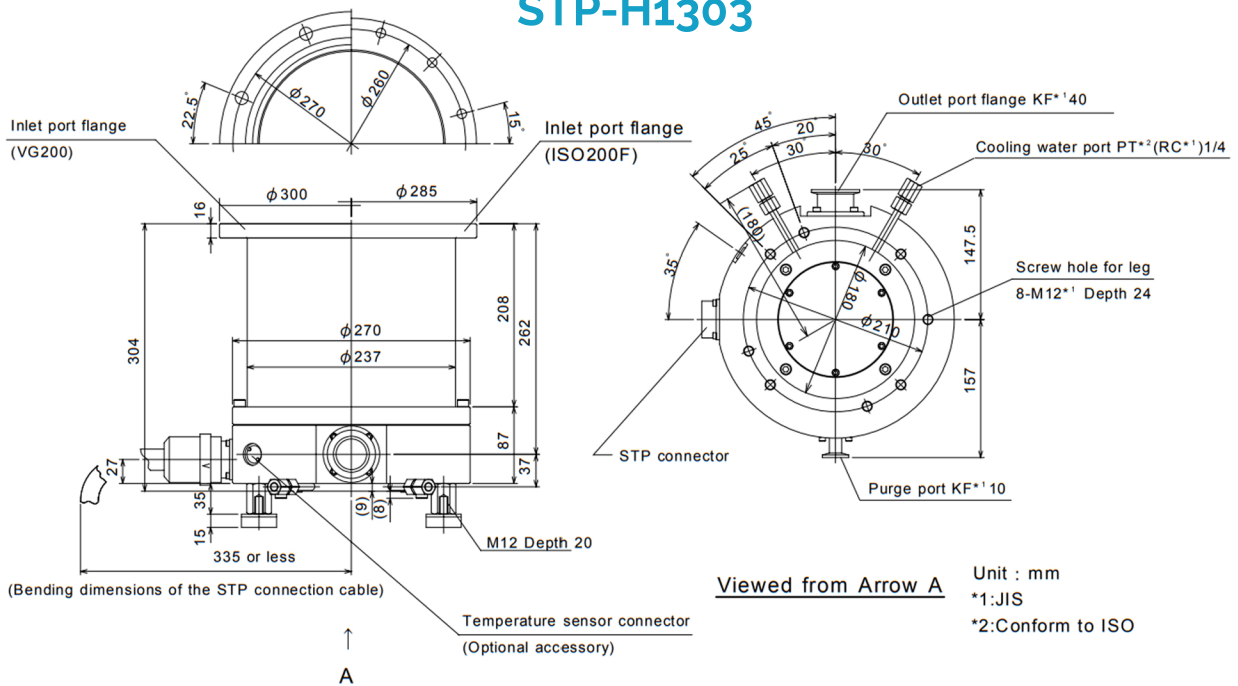
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# Seiko Seiki STP-H803, H1303 Dimensions

## STP-H803



## STP-H1303





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# Seiko Seiki STP-H803, H1303

## Features & Benefits

- oil free
- low vibration
- high reliability
- maintenance free
- increased life
- advanced controller design
- compact design
- small footprint
- advanced rotor technology
- installation in any orientation

## Applications

- plasma etch • ECR etch • film deposition • sputtering • ion implantation source • beam line pumping • MBE • diffusion • photo resist stripping
- crystal / epitaxial growth • wafer inspection • load lock chambers

## Recommended controller

- controllers: SCU-750 • SCU-800