


**Magnetically Levitated Compound Molecular Pumps**

# TG420M

- Any orientation      ■ Compact size      ■ Energy-saving
- Quick starts and stops   ■ Maintenance call   ■ Vibration free ※Featuring UFRC
- Model coupling free      ■ Automatic calibration
- High throughput          ■ Rotational speed control
- Serial communication ※RC232C Serial interface (You can choose RS485.)
- Safety standards certification for NRTL SEMI-S2 CE

## Specifications

Flange	Inlet		VG150	ISO-B160	CF160
	Outlet		KF25		
Volume flow rate	N <sub>2</sub>	L/s	400		
	N <sub>2</sub> (with protective screen)	L/s	370		
	H <sub>2</sub>	L/s	300		
Max. compression ratio	N <sub>2</sub>		1 × 10 <sup>8</sup>		
	H <sub>2</sub>		4.5 × 10 <sup>3</sup>		
Base pressure	VG · ISO-B / CF	Pa	< 1 × 10 <sup>-6</sup> / < 1 × 10 <sup>-7</sup>		
		(Torr)	(< 7.5 × 10 <sup>-9</sup> / < 7.5 × 10 <sup>-10</sup> )		
Max. throughput <sup>※1</sup>	N <sub>2</sub>	sccm	2000		
Startup time		min	2-3		
Shutdown time		min	4-5		
Max. backing pressure		Pa(Torr)	400(3)		
Recommended backing vacuum pump		L/min	≥ 160		
Weight	VG·ISO-B / CF·Corrosive resistant type	kg	14 / 17		
Turbo Controller			TC010MA		