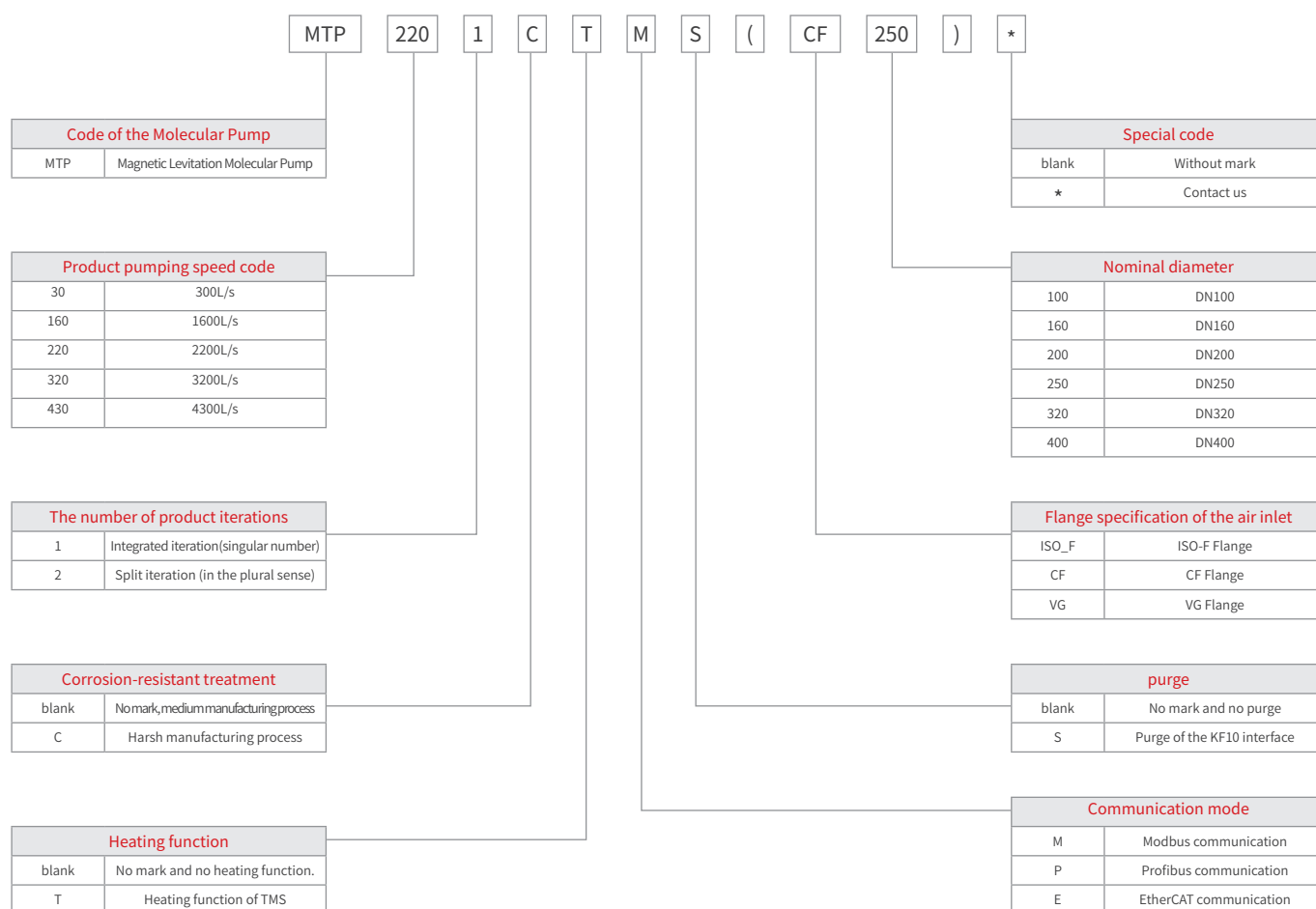


MTP Magnetic Levitation Molecular Pump

The MTP Magnetic Levitation Molecular Pump adopts an integrated controller, which has the advantages of high pumping speed, high stability, corrosion resistance, and easy installation. It is widely used in thin film deposition, ion implantation, PECVD, PCD, flat panel display, photovoltaic film coating, winding coating, thermal material treatment, materials science, etc.



Specification Model:





Online shop

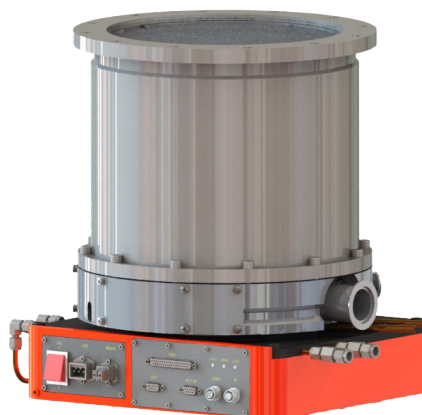
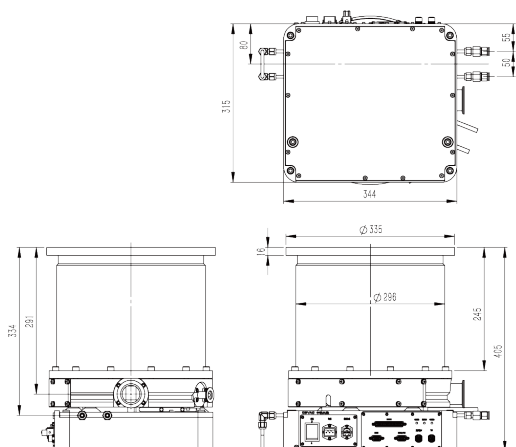
Performance indicators:

Model		MTP-2201 Series	MTP-3201 Series	MTP-4301 Series
Flange dimension	Air inlet flange	ISO250F	ISO320F	ISO320F
		VG250 (Optional)	ISO250F/VG350 (Optional)	VG350/VG400 (Optional)
	Exhaust port flange	KF40	KF40	KF40
Pumping speed (L/s)	N ₂	2200	3200	4000
	H ₂	1700	2300	2700
Compression ratio	N ₂	>10 ⁸	>10 ⁸	> 10 ⁸
	H ₂	>1.0×10 ⁴	>2.0×10 ³	>1.0×10 ³
Ultimate pressure (Pa) (after baking)		10 ⁻⁷	10 ⁻⁷	10 ⁻⁷
Maximum continuous backing pressure (Pa) (with TMS function enabled)		266	266	266
Flange of the purge port (Optional)		KF10	KF10	KF10
Nitrogen purge flow rate (SCCM)		50±10	50±10	50±10
Rated rotational speed (rpm)		27000	27720	24240
The minimum rotational speed (rpm) to maintain operation when the power supply fails		≈ 5000	≈ 5000	≈ 5000
Startup time (min)		≤ 8	≤ 10	≤ 11
Downtime (min)		≤ 11	≤ 16	≤ 19
Noise (dB)		< 55 (27000rpm)	< 55 (27720rpm)	< 55 (24240rpm)
Temperature Control System (TMS)		Support	Support	Support
Baking temperature of the air inlet flange (°C)		< 120	< 120	< 120
Installation angle		Arbitrary angle	Arbitrary angle	Arbitrary angle
Cooling method		Water cooling	Water cooling	Water cooling
Cooling water flow rate (L/min)		3	3	3
Recommended cooling water temperature (°C)		15 ~ 35	15 ~ 35	15 ~ 35
Cooling water pressure (MPa)		0.3 ~ 0.4	0.3 ~ 0.4	0.3 ~ 0.4
Weight (kg)		60	84	111
Backing pumping speed (L/min)		>1300	>1300	>1300
Protection class		IP54	IP54	IP54
Operating ambient temperature (°C)		0 ~ 40	0 ~ 40	0 ~ 40
Storage temperature (°C)		-25 ~ 55	-25 ~ 55	-25 ~ 55
Power supply (VAC)		Single-phase 176 ~ 264	Single-phase 176 ~ 264	Single-phase 176 ~ 264
Maximum input power (W)		1500	1800	2200
Standard communication interface		REMOTE I/O、RS232/485、RS485		

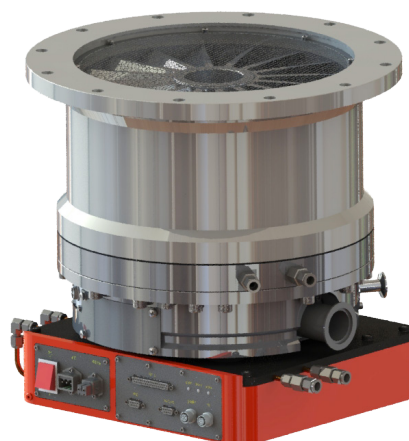
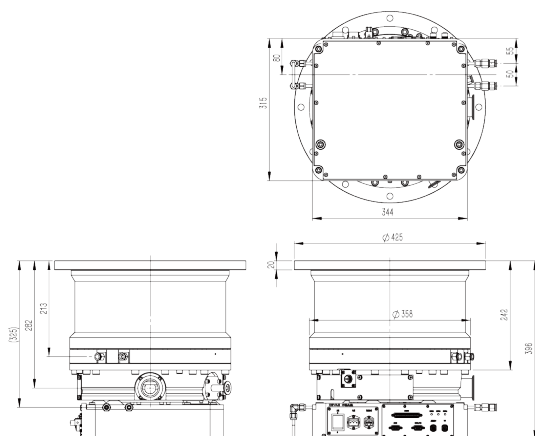
※Optional communication methods: Profibus, EtherCAT

External dimension:

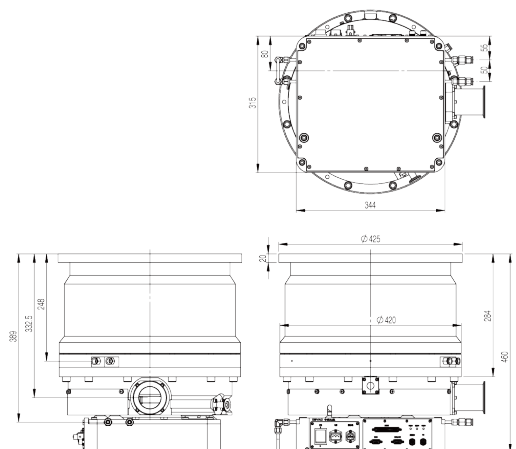
MTP-2201CTMS (ISO250F)



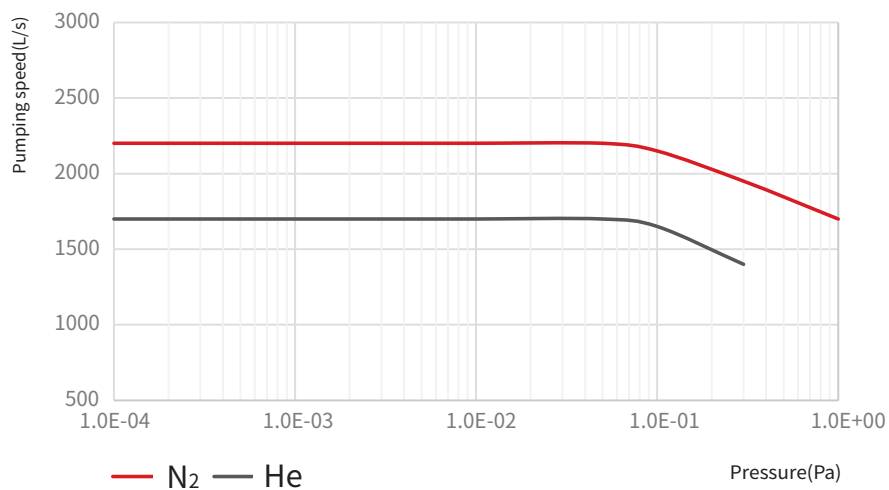
MTP-3201CTMS (ISO320F)



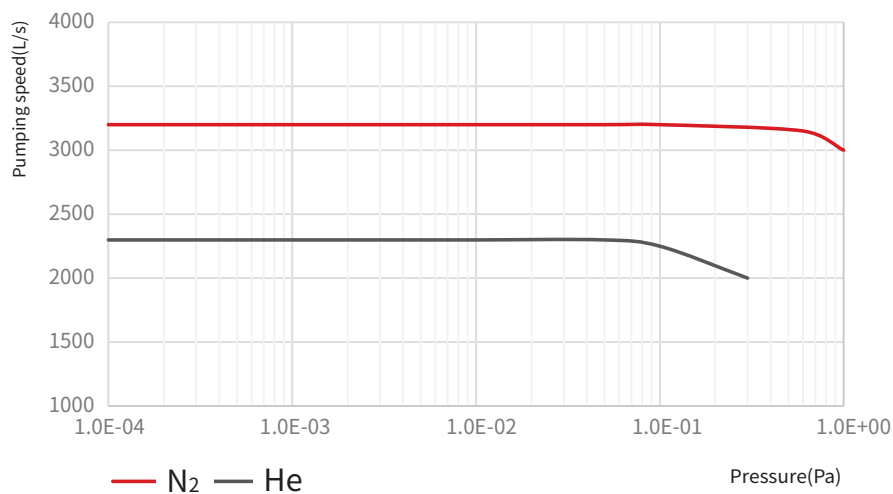
MTP-4301CTMS (ISO320F)



MTP-2201CTMS (ISO250F)



MTP-3201CTMS (ISO320F)



MTP-4301CTMS (ISO320F)

