

TD Series Two-Stage Rotary Vane Vacuum Pump

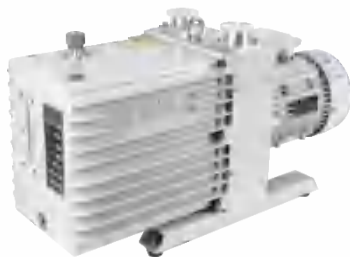
TD系列双级旋片式真空泵



T8D/T16D



T24D/T30D



T40D/T60D



T90D

01 PRESENTATION

T series is mechanical vacuum pump, which is widely used in the field of vacuum technology. The gas is inhaled, compressed and exhaled through the operation of rotating blades and eccentric rotors. Simple structure, high reliability, wide range of pumping speed. T series has excellent gas ballast function, high adaptability with low vibration and low noise, economical and practical.

T系列旋片泵是一种广泛应用于真空领域的机械真空泵。通过旋转叶片和偏心转子的运行，实现气体的吸入、压缩和排出。结构简单，可靠性高，抽速范围广。（拥有良好的气镇功能，适应性强，低振动与低噪音，经济实用。）

02 FEATURE

- The internal pump adopts corrosion-resistant materials and techniques.
泵体内部采用耐腐蚀材料及工艺
- Less parts makes maintance more easier.
零部件数量少，更方便后期维护保养
- Built-in active anti-oil return valve design, to ensure no oil return from shutdown.
内置主动防返油阀设计，可靠保障停机不返油
- Adjustable gas ballast valve, convenient for different processes on the amount of water vapor discharge requirements.可调节气镇，方便不同工艺对水蒸气排出量的需求
- The more constant and stable vacuum degree forced oil supply structure enables low noise and stable operation under high vacuum degree.
更恒定稳压的强制供油结构，在高压强下低噪音稳定运行
- Transformation of four patents results.
四项专利成果转化

03 APPLICATION

- Semiconductor 半导体
- Space Simulation 空间模拟
- Pharmaceutical research and development 制药研发
- Metallurgy 冶金
- Chemical engineering 化工
- Vacuum furnace 真空炉
- vacuum coating 真空镀膜
- Lamp and Lamp Tube Manufacturing 灯和灯管制造
- Analysis engineering 分析工程

04 OPTIONAL ACCESSORIES

Additional charges apply



Oil Mist Filter(KF25)
油雾过滤器(KF25)



Oil Mist Filter(KF40)
油雾过滤器(KF40)

05 TECHNICAL SPECIFICATION

Model 型号	T8D	T16D	T24D	T30D	T40D	T60D	T90D
50Hz Nominal pumping speed (m³/h)(L/s) 50名义抽速	8(2)	16(4)	24(6)	30(8)	40(11)	60(17)	90(25)
50Hz Pumping speed (m³/h)(L/s)50Hz抽速	8(2)	15(4.3)	23(6)	29(8)	40(11)	60(16)	90(25)
Partial ultimate pressure without gas ballast (Pa) 关气镇极限分压强	5x10 ⁻²	5x10 ⁻²	5x10 ⁻²	5x10 ⁻²	4x10 ⁻²	4x10 ⁻²	4x10 ⁻²
Total ultimate pressure without gas ballast (Pa) 关气镇极限全压强	1	1	1	1	1	1	1
Total ultimate pressure with gas ballast (Pa)开气镇极限全压强	6	6	6	6	6	6	6
Vapour allowed pressure (Pa) 水蒸气允许压强	20	20	20	25	25	25	30
Vapour pumping ability (g/h) 水蒸气抽除能力	230	230	300	300	1000	1100	1200
Oil capacity (min/max)(L) 注油量	1(1.4)	1.4(1.8)	1.45(1.9)	1.5(2)	3(4)	4(5)	5.5(6)
Noise (gas ballast close/ open)(dBA)噪音 关/开气镇	58(60)	60(62)	60(62)	60(62)	60(62)	60(62)	60(63)
Ambient temperature (°C) 适合环境温度	5-45	5-45	5-45	5-45	5-45	5-45	5-45
Connector 连接口 进气及排气阀	KF25	KF25	KF25	KF25	KF40	KF40	KF40
Voltage(V) 电压	220/380	220/380	220/380	220/380	380	380	380
Power supply (kw) 电机功率	0.37	0.55	0.75	0.75	1.1	1.5	2.2
Dimensions(mm) 产品尺寸	520*175*285	540*175*285	564*175*285	584*175*285	660*234*350	720*234*350	830*280*415
Weight(without oil) (kg) 净重(未注油)	33	33	36	37	76	83	88

Explosion-proof motor optional.(Additional charges apply)
Noise value test standard: Refer to GB/T21271-2026