

DRY VACUUM PUMP

DRY VACUUM PUMP
KTS Series
Air Cooled Compact Type



AIR-COOLED COMPACT DRY VACUUM PUMP

FEATURE

Clean vacuum

No sealing fluids and no dust generation in pump.

Air-Cooled

No cooling water required.

Compact dimensions & Lightweight

Aluminum housing and ductile cast iron rotor.

Low vibration & Low noise

Noise and vibration kept low by dynamically balanced rotor.

Long maintenance interval

Prolonged maintenance interval as the pump has no sliding parts or metal to metal contact.

High water vapor handling

Strong configuration to handle carry over liquid and rust proof coating. Flush air purge system available.

Leak tight construction

Canned motor provided (No shaft seal).

Wide operating range

Pump operates from atmosphere to a base pressure.

KTS series dry vacuum pump is suitable for use on clean process.

Please consult our factory for advice if your gas contents are explosive, flammable, toxic or corrosive.

Specifications

Model	Unit	KTS015	KTS030	KTS060	KTS300
Pumping speed	L / min	280	500	1000	5000
Ultimate pressure	Pa	≤3	≤3	≤3	≤0.5
Nozzle connection	—	NW25/NW25		NW40/NW40	NW50/NW40
Motor Power	kW	0.44	0.50	0.90	1.30
Power source	1 Phase	100~115V/200~240V		200~240V	
	3 Phase	200~240V		200~240V	
Options	—	Flush Air (or N2) function			
Water vapor handling	g / hr	<300		<500	
Sound level (at 1m)	dB(A)	≤63		≤65	≤72
Weight	kg	35		48	100

※Power consumption at ultimate pressure

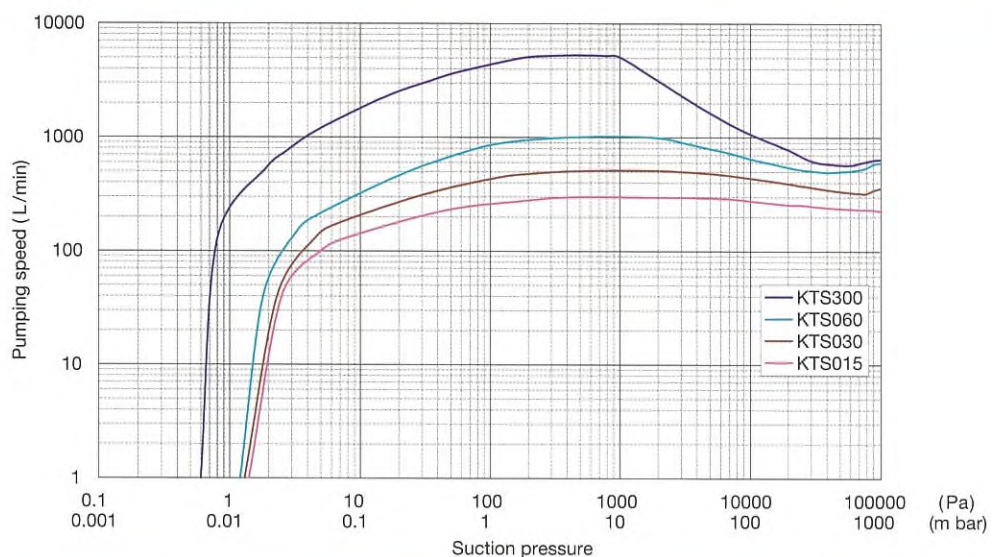
New dry vacuum pump model "KTS" is of a multi-stage Roots type configuration and can be operated in completely DRY condition. Over 25 years, we have made improvements to our DRY PUMP technology that resulted in CLEAN VACUUM and elimination of cooling water. The dry vacuum pump is developed with our new concept having many good features such as:

APPLICATION

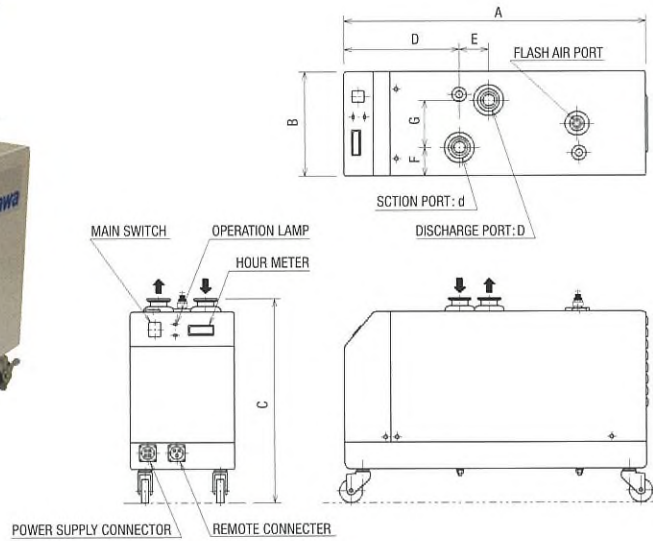
- Laboratory use
- Sputtering equipment, Ion plating equipment
- Load-lock, Device handling system, Vacuum chuck
- Heat treatment furnace, Vacuum furnace
- Leak detectors
- Gas recovery system
- Vacuum packaging machine
- Vacuum drying, De-aerator(water based)
- Vacuum forming
- Other clean vacuum processes



Pumping speed

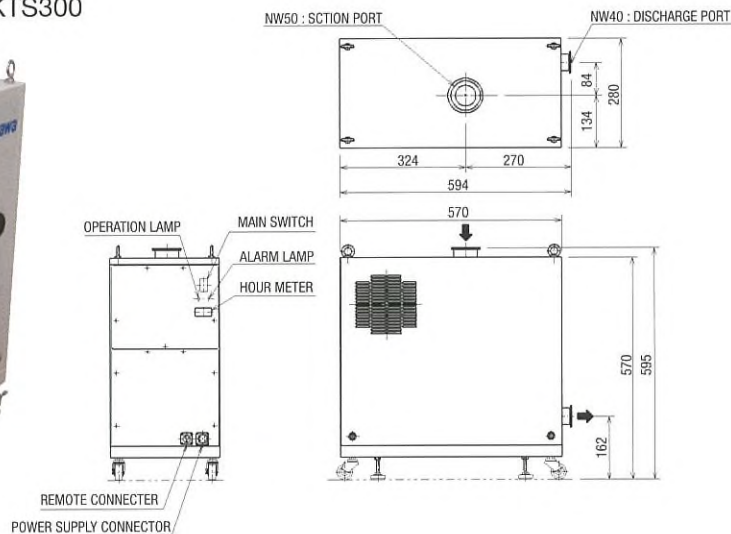


Externals dimensional drawing
 /KTS015 · KTS030 · KTS060



MODEL	A	B	C	D	E	F	G	d
KTS015	520	180	350	200	51	50	81	NW25
KTS030								
KTS060	550	210	430	200	59	59	98	NW40

Externals dimensional drawing /KTS300



Unozawa Products

Inquiries

1. Rotary blower (Roots type)
2. Rotary vacuum pump (Roots type)
3. Dry vacuum pump
4. Mechanical booster
5. Water ring vacuum pump

When inquiring about Unozawa Dry vacuum pump, please furnish us with the following information:

1. Application : Load-lock, Sputtering, Vacuum drier, etc.....
2. Specification : Pumping speed, Suction pressure
3. Handling gas : Gas name, Suction gas temperature
4. Power source : Voltage, Hertz, Phase
5. Accessories : Required or not, please specify

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