



ACUM PUMP















High Performance Global Recognition

Proven Technology

ARAKI vacuum pumps deliver exceptional performance and reliability for diverse industrial applications. From rotary piston to high-capacity oil diffusion pumps, **ARAKI** ensures precision and efficiency with advanced features like low oil return, temperature control, and innovative design.



Vacuum Pump • • • • www.indotara.co.id



TABLE OF CONTENT

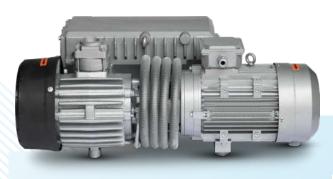
RV Series	01
DDRV Series	04
TSRV Series	05
RO Series	06
ROV Series	07
RP & RPDS Series	08
MD Series	10
DSL Series	12
DSW Series	13
MP Series	14
Vacuum System	16
Vacuum Valves	18
Vacuum Fittings	19





INTRODUCTION

RV series single stage rotary vane vacuum pump is a kind of reliable, durable, economic and applicable range of vacuum equipment. In the circular pump body, it has an air suction valve and exhaust valve. Three vanes are equipped with an eccentric rotor slot in the rotor, its vanes divide the pump chamber into three parts. The volume of the pump chamber keeps changing periodically with the rotation of the rotor, to finish the process of gas suction, compression and elimination.



ADVENTAGES

- A. Environmental clean exhaust; no pollution; equipped with oil mist collector.
- B. Direct drive type, compact and lightweight.
- C. Efficient air cooling (standard); easy to install & maintenance.
- D. Inlet with check valve to prevent vacuum oil back into pump system.
- E. Small vibration, low noise.
- F. Continuous operating at the entire range of pressures from the atmospheric pressure to ultimate vacuum pressure.

APPLICATION

It is widely used in vacuum packaging, material drying, concentration, distilling industry, vacuum coating, vacuum loading, vacuum forming and other fields.

RV Series Rotary Vane Vacuum Pump



TECHNICAL SPECIFICATION

MODEL	Pump (m:	Speed 3/h)	Ultimate Vacuum	Motor Power	Inlet Diameter	Rotary Speed	Oil Capacity	G.W	Noise	Dimensions	
MODEL	50HZ	60HZ	(Pa)	(KW)	(inch)	(rpm)	(L)	(kg)	dB(A)	(mm)	
RV-010	10	12	200	0.37 (3ph) 0.55 (1ph)	G1/2	1400	0.5	20	64	405*253*210	
RV-020	20	24	200	0.75 (3ph) 0.90 (1ph)	G1/2	2800	0.5	20	64	405*253*210	
RV-025	25	30	200	0.75 (3ph) 0.90 (1ph)	G1/2	2800	0.5	22	64	405*253*210	
RV-040	40	48	50	1.5 (3ph) 2.2 (1ph)	G11/4	1400	1.0	50	67	660*300*270	
RV-063	63	75	50	2.2	G11/4	1400	2.0	83	68	695*420*295	
RV-100	100	120	50	3.0	G11/4	1400	2.0	87	72	735*420*295	
RV-160	160	192	50	4.0	G2	1400	45	152	74	805*520*410	
RV-200	200	240	50	5.5	G2	1400	45	159	76	825*520*410	
RV-250	250	300	50	7.5	G2	1400	7.0	230	76	1000*550*410	
RV-300	300	360	50	7.5	G2	1400	7.0	236	76	1200*550*410	
RV-630	630	750	10	15.0	DN100	960	35	620	75	1630*1300*980	
RV-750	750	900	10	18.5	DN100	1150	35	640	76	1630*1300*980	

The ARAKI RV Series single-stage rotary vane vacuum pump stands out for its exceptional performance and versatility. Designed with a robust circular pump body and equipped with a highly efficient three-vane system, it ensures smooth, consistent operation for a wide range of applications. Its durable construction guarantees long-term reliability, while its economic design minimizes energy consumption, making it an ideal choice for both industrial and commercial use. Whether you're in manufacturing, research, or processing, the ARAKI RV Series delivers precise vacuum capabilities you can trust.



RV SERIES MODEL





RV020









RV040

RV063

RV100





RV200









RV300

RV750







DDRV series double stage rotary vane vacuum pump is a star model for its stable performance and compact structure. It can be the fore pump of high vacuum or super high vacuum system.

APPLICATION

It is widely used in refrigeration equipment, medical treatment, chemicals and laboratory of hospitals and universities, vacuum smelting, vacuum coating, monocrystal silicon, polysilicon, distilling industry, food packaging, aerospace technology, semiconductor, electronics, etc.

ADVENTAGES - - -

- A. Compact structure, light weight, low noise, easy operation, stable performance.
- B. Equipped with gas ballast valve to pump gas combined with a little water vapor.
- C. Can be used both as single pump and as fore pump in high vacuum system.
- D. Inlet with check valve to prevent vacuum oil back into pump system.
- E. With anti-oil-return device to guarantee a clean vacuum.
- F. No oil leak, no spray, no pollution.

Mod	lel	DDRV-1	DDRV-2	DDRV-4	DDRV-6	DDRV-8	DDRV-15	DDRV-25
Speed (L/s)	50HZ	1/2	2/4	4/8	6/13	8/17	15/32	25/53
/(сғм)	60HZ	1.2/2.5	2.4/5	4.8/10	7.2/15	9.6/20	18/38	30/64
Ultimate Pre	ssure (Pa)	1	1	1	1	1	1	1
Rotary	50HZ	1400	1400	1400	1400	1400	1400	1400
Speed (rpm)	60HZ	1720	1720	1720	1720	1720	1720	1720
Motor Pov	ver (Kw)	0.25	0.37	0.55	0.75	1.1	1.5	3.0
Working Vo	oltage (v)	220/380	220/380	220/380	380	380	380	380
Inlet	I.D.	Ф18	Ф 25	Ф 25		VE 40	VE 40	VE 40
Diam (mm)	O.D.	KF-18	KF-25	KF-25	KF-25	KF-40	KF-40	KF-40
	Length	480	480	520	550	608	676	830
Dimensions (mm)	Width	145	150	150	174	220	220	275
()	Height	240	250	250	279	346	346	440
Noise d	IB (A)	65	65	65	60	65	65	68
Oil Capa	city (L)	0.7	1	1.2	1.5	2.5	3	6.5
N.W. ((Kg)	17	22	24	31	52	60	90







TSRV series vacuum pump is two stage structure. The operation performance consists of two parts, high-pressure stage and low-pressure stage. The technical parameter of the pump is 6x10-2 Pa. According to the user's operation requirements, and this pump is used as a backing pump of roots booster pump.



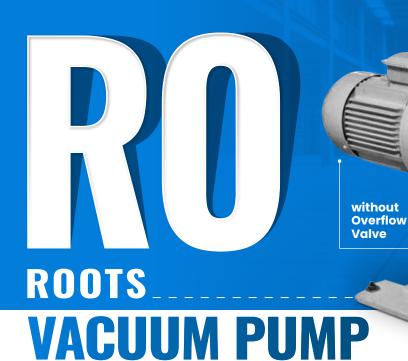
It is applicable to vacuum coating, vacuum heat treatment, vacuum smelting, vacuum tube, chemicals, packing, forming, health and medical appliances, laboratory, vacuum drying machines and vacuum filtering.

ADVENTAGES ------

- A. Wide range of free-air capacities to match specific applications.
- B. Positive pressure oil system ensures proper lubrication & prevents oil starvation under high gas loads.
- C. Fast acting inlet valve protects internal components against oil and air contamination if the pump stops while under vacuum.
- D. Gas ballast valve limits internal condensation; Lets you use pump when condensable vapors are present.

Model	TSRV-4	TSRV-8	TSRV-15	TSRV-30	TSRV-70	TSRV-100
Pumping speed (L/s)	4	8	15	30	70	100
Ultimate Pressure (Pa)	≤6x10-2	≤6x10-2	≤6x10-2	≤6x10-2	≤6x10-2	≤6x10-2
Motor Power (Kw)	0.55	1.1	2.2	4	5.5	7.5
Rotary Speed (r/min)	450	320	320	450	420	360
Cooling Type	N	latural Coolin	g	,	Water Cooling	J
Noise Level DB (A)	≤65	≤70	≤70	≤70	≤75	≤90
Inlet Diameter (mm)	25	40	50	65	80	90
Outlet Diameter (mm)	30	50	80	85	100	125
Oil Capacity (L)	1	2	2.8	3	4.2	5
Solenoid Valve	DDC-JQ25	DDC-JQ40	DDC-JQ40	DDC-JQ65	DDC-JQ80	DDC-JQ100
Dimension (mm)	540x335x380	790x430x540	790x530x540	810x480x560	910x650x700	1130x740x690
Weight (Kg)	60/50	158/148	202/190	230/216	338/320	400/370







M INTRODUCTION

RO Series Roots Vacuum Pump is a positive displacement pump, also known as roots booster pump, which is one of the main equipment to obtain the middle and high vacuum level. Its working principle is similar to roots blower, which use two figure 8 rotor synchronous rotation in the pump shell, so as to complete the suction and exhaust process.



ADVENTAGES_____

- A. Stable operation, less vibration, low noise, Less power consumption, good energy.
- B. Rapid start and get the ultimate pressure in short time.
- C. Pump cavity does not need lubricating oil, avoid oil vapor to pollute vacuum system, is not sensitive to tiny dust.



APPLICATION

They're widely used in vacuum smelting, vacuum welding, vacuum casting, vacuum coating, vacuum drying, vacuum dynamic experiment and chemical pharmaceutical, electric vacuum device manufacturing industries.

In view of the chemical, pharmaceutical and other industries require huge vapor degassing capability. the sealing structure of RO roots vacuum pump chamber and the bearing chamber has improved, which greatly reducing the bearing cavity and gear cavity oil emulsification. Thus, RO roots vacuum pump is more suitable for pumping large quantities of water vapor and solvent with water ring vacuum pump.

RO series roots vacuum system is non oil seal type. So, it can completely avoid oil returning, oil spills and soot pollution, etc.

M	odel	RO-150	RO-300	RO-600	RO-1200					
Pumping	Speed (L/s)	150	300	600	1200					
Ultimate P	ressure (Pa)	5x10 ⁻²								
Max. Allowable	diff. Pressure (Pa)	8	x10³	5x	10³					
Motor Rotary	y Speed (RPM)		3000							
Suitable Mot	or Power (kW)	2.2	4	7.5	11					
	Inlet (mm)	100	150	200	250					
Flange Size	Outlet (mm)	100	150	200	200					
Cooling Water C	onsumption (L/h)		50							
Allowable Te	mperature (°C)	100								
Vacuum	Vacuum Pump Oil		10	0#						
Weight (with	out motor) (kg)	195	250	760	860					







M INTRODUCTION

ROV Series Roots Vacuum Pump is a positive displacement pump, also known as mechanical booster pump, which is one of the main equipment to obtain the middle and high vacuum degree. Its working principle is similar to roots blower, which use two figure 8 rotor synchronous rotation in the pump shell, so as to complete the suction and exhaust process.

🙊 ADVENTAGES _ _ _ _ _ _

- A. Stable operation, less vibration, low noise, Less power consumption.
- B. Rapid start and get the ultimate pressure in short time.
- C. Pump cavity does not need lubricating oil, avoid oil vapor to pollute vacuum system, is not sensitive to tiny dust.
- D. ROV series roots vacuum pump is with overflow valve, automatically anti-overloading. RO series roots vacuum pump is without overflow valve.

APPLICATION

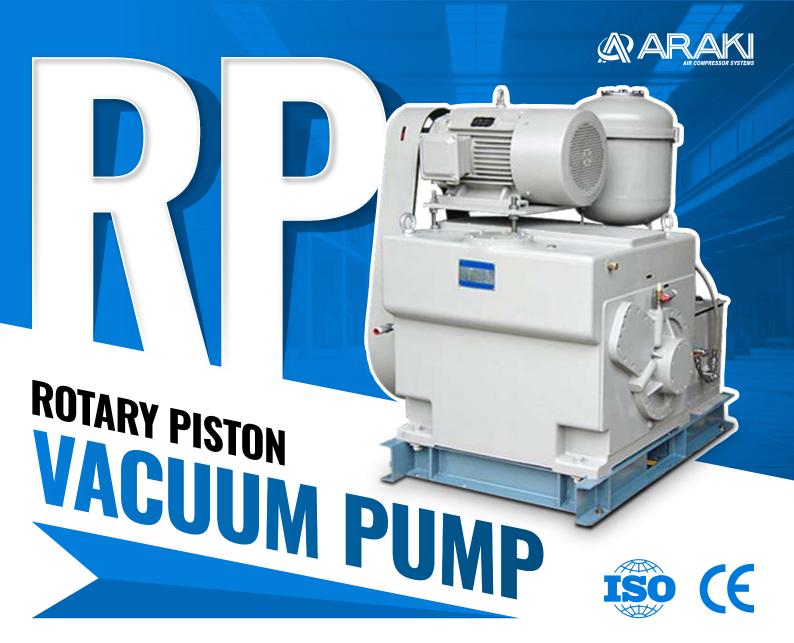
They're widely used in vacuum smelting, vacuum welding, vacuum casting, vacuum coating, vacuum drying,vacuum dynamic experiment and chemical pharmaceutical, electric vacuum device manufacturing industries.

In view of the chemical, pharmaceutical and other industries require huge vapor degassing capability. the sealing structure of ROV roots vacuum pump chamber and the bearing chamber has improved, which greatly reducing the bearing cavity and gear cavity oil emulsification. Thus, ROV roots vacuum pump is more suitable for pumping large quantities of water vapor and solvent with water ring vacuum pump.

ROV series roots vacuum system is non oil seal type. So, it can completely avoid oil returning, oil spills and soot pollution, etc.

Мс	odel	ROV-70	ROV-150	ROV-300	ROV-600	ROV-1200	ROV-2500				
Pumping 9	Speed (L/s)	70	150	300	600	600 1200					
Ultimate Pr	essure (Pa)	5x10 ⁻²									
Diff. Pressure at O	verflow Valve (Pa)	8x10 ³	4x10 ³	5.3x10 ³		2.7x10 ³					
Motor Rotary	Speed (RPM)	3000									
Suitable Mot	or Power (kW)	1.1	2.2	4	7.5	11	22				
Element Cine	Inlet (mm)	80	100	150	200	250	320				
Flange Size	Outlet (mm)	80	100	150	200	200	320				
Cooling Water C	onsumption (L/h)	-	50	200							
Allowable Ter	nperature (°C)	100									
Vacuum	Pump Oil	100#									
Weight (witho	out motor) (kg)	110	205	265	780	880	1350				





INTRODUCTION

Rotary piston vacuum pumps are divided into two types: single-stage (RP) and double-stage (RPDS). Double-stage ones can reach a higher vacuum than single-stage. Those pumps include an integral, positive pressure lubrication system to insure reliable lubrication at all pressure levels. They can pump gas containing few condensable vapor with their gas ballast open. Equipped with additional devices, they can also pump corrosive gas or gas containing superabundant oxygen.

ADVENTAGES

- A. Low gravity and power consumption, wonderful stability, small space request, and nice performance.
- B. Less oil ejection at discharge port and low consumption of vacuum pump oil.
- C. With back settled oil tank to prevent oil returning into pump chamber.
- D. With side flash port on oil tank and O-ring seal, easy to be disassembled, convenient for cleaning and maintenance.
- E. Additional Long lifetime for bearing because of newly added sealing between pump chamber and bearing.
- F. Low vibration, low noise.

APPLICATION

The pump is widely used in vacuum melting, vacuum furnace, thermal processing, vacuum sintering, vacuum metallurgy, vacuum degassing, vacuum drying, vacuum coating, molecular distilling, vacuum impregnation, electronics, solar industries and aerospace simulation test.

Rotary Piston Vacuum Pump



TECHNICAL SPECIFICATION

MODEL		nate sure	Pumping Speed	Inlet Diam.	Outlet Diam.	Motor Power	Cooling Water Consumption	Weight
	Pa	Torr	L/s	mm	mm	kw	kg/h	kg
RPDS-15	6x10 ⁻²	4.5x10 ⁻⁴	15	50	40	2.2	Air-cooling	175
RPDS-30	6x10 ⁻²	4.5x10 ⁻⁴	30	63	50	4	100	380
RPDS-70	6x10 ⁻²	4.5x10 ⁻⁴	70	80	50	7.5	150	710
RPDS-120	6x10 ⁻²	4.5x10 ⁻⁴	120	100	80	15	200	960
RPDS-150	6x10 ⁻²	4.5x10 ⁻⁴	150	100	80	15	200	1020
RP-70G	1	7.5x10 ⁻³	70	80	50	5.5	150	485
RP-150G	1	7.5x10 ⁻³	150	100	80	7.5	200	970
RP-150	1	7.5x10 ⁻³	150	100	80	15	200	830
RP-180	1	7.5x10 ⁻³	180	160	100	15	450	1010
RP-200	1	7.5x10 ⁻³	200	160	100	15	450	1010
RP-230	1	7.5x10 ⁻³	230	160	100	18.5	450	1030
RP-300	1	7.5x10 ⁻³	300	160	100	22	700	1520

The ARAKI rotary piston vacuum pumps, available in both single-stage and double-stage variants, deliver exceptional performance tailored to diverse industrial needs. The double-stage models achieve superior vacuum levels, making them ideal for applications requiring high precision and efficiency. Featuring an integral positive pressure lubrication system, these pumps ensure consistent and reliable operation across all pressure levels, extending service life. With an open gas ballast, they seamlessly handle gases containing condensable vapors, and when equipped with additional devices, they can safely manage corrosive gases or oxygen-rich environments. ARAKI rotary piston pumps combine durability, versatility, and innovation to meet the most demanding vacuum requirements.



INTRODUCTION

Araki MD series oil diffusion pump is the main equipment for obtaining high vacuum (10⁻¹ -10⁻⁵ Pa) with high pumping speed from 1500 L/s to 130000 L/s.

ADVENTAGES

- A. The pump equipped with observation window, oil filling and discharge port, pump oil temperature control and over heated protection device, and cooling water high temperature alarming device.
- B. The heater of diffusion pump is composed by several heating rods, parallelly connected, which allow the rod being changed with pump running and help to shorten the heating time and increase heating efficiency.
- C. Low oil return. Without water cooling plate, the oil return is 1x10-3 mg/cm2•min for normal diffusion pump oil, and 1x10-4 mg/cm2•min for 275 silicone oil.
- D. The manufacturing process takes stretching technology which helps to lessen weld joint, increase intensity, and lower the air leakage.

APPLICATION

The oil diffusion pump is widely used in vacuum coating, vacuum furnace, electronics, chemical industry, aviation, aerospace, metallurgy, material, biological medicine, atomic energy, space exploration and other high-tech fields, also it possesses high praise in titanium sponge field.

MD Series Metal Diffusion Pump



TECHNICAL SPECIFICATION

Item	Unit	MD-200	MD-250	MD-300	MD-320	MD-400	MD-500	MD-600	MD-630	MD-800	MD-900	MD-1000	MD-1200	MD-1400	MD-1600
Ultimate Pressure	Pa							5x1	0-5						
Capacity	L/s	2800	3500	4600	5000	8500	12000	17500	20000	30000	40000	50000	60000	90000	130000
Fore Pump Pressure	Pa		40												
Fore Pump Speed	L/s	15	15	30	30	70	150	300	600	600	600	1200	1200	1200	2500
Back-Flow Rate	mg /(cm²min)		≤3x10 ⁻²												
Heating Time	Min	≤35	≤40			≤45		≤50	≤60	≤65	≤70	≤80		≤90	
Heating Power	kw	1.6-1.8	2.2-2.4	2.4-3	4-5	4-5	6-8	8-9	9-11	13-13.5	14-16	17-20	28-30	38-40	48-50
Voltage	v		220							360					
Oil Model	1							KS	-3						
Oil Volume	L	0.55	1-1.4	1-1.6	1.4-1.8	3-4	4	6-7	7-8	12-14	14-15	15-16	22	38	50
Cooling Water Consumption	L/h	300	350	400	420	500	600	800	850	1200	1350	1500	2600	3400	4300
Inlet Diameter	mm	200	250	300	320	400	500	600	630	800	900	1000	1200	1400	1600
Outlet Diameter	mm	65	65	80	80	100	100	150	160	200	200	300	300	320	320

The ARAKI MD Series oil diffusion pump is a high-performance solution for achieving ultra-high vacuum levels (10¹ to 10⁵ Pa) with exceptional pumping speeds ranging from 1500 L/s to 130,000 L/s. Engineered for reliability and efficiency, it features advanced temperature control, overheating protection, and a low oil return rate, ensuring consistent performance even in demanding environments. The innovative heating rod design allows quick replacements without halting operation, reducing downtime and boosting efficiency. Manufactured using advanced stretching technology, the pump minimizes weld joints, enhancing structural integrity and reducing air leakage. Widely trusted across industries like aerospace, metallurgy, and vacuum coating, ARAKI's diffusion pumps set a benchmark for quality and innovation in high-tech applications.



DSL series dry scroll vacuum pump is developed by our experienced technicians on basis of advanced technology in abroad. Itis a type of environmental-riendly pump.

It's widely used in semiconductor, aerospace, petrochemical, food and medicines, electric power, energy, environmental protection, automobile, test and analysis instrument industries. It's stable, reliable and clean, which has gained good reputation in industrial production and scientific research.

ADVENTAGES - - - -

- A. Oil free, it can provide clean vacuum condition.
- B. Low noise, less vibration, low temperature rise, excellent sealing means.
- C. Reliable and durable life time over 5 years.
- D. No friction for exhaust parts and moving parts.
- E. High efficiency and low energy consumption.
- F. No return oil or water vapor.
- G. Replaceable for oil rotary vane vacuum pump when ultimate pressure is lower than 1 Pa.
- H. No lubricant and cooling water, hence saving the labor cost for daily maintenance.

Model			DSL1000	DSL600	DSL300	DSL150	DSL75			
Displacement	50Hz	I/s	16.6	8.7	4.3	2.0	1.0			
Displacement	60Hz	I/s	19.9	10.4	5.1	2.4	1.2			
Ultimate Pressure		Pa	≤ 1.0	≤ 1.0 ≤ 1.0 ≤ 2.6 ≤ 8.0						
Leakage With Outlet & Ai	r Flush Port	Off	lx10 ⁻² Pa · l/s (1x10 ⁻⁴ mbar · l/s)							
Max. Inlet / Outlet Press	ure	mpa			0.1 / 0.13					
Ambient Temperature	•	°C/°F		5~40 / 41~104						
Max. Moisture Disposal Ca	oacity	G/h	60	60	60	50	50			
	Power	kw/hp	1.50/2.0	0.75/1.00	0.55/0.74	0.25/0.30	0.25/0.30			
Motor	Voltage	VAC	380/220	380/220 220	380/220 220	380/220 220	380/220 220			
	Speed	rpm		1	410		1425			
Noise Level		dB(A)	≤ 63	≤ 63	≤ 63	≤ 57	≤ 54			
Inlet / Outlet Diamete	r	mm	KF40/16x2	KF40/16	KF25/16	KF25/16	KF25/16			
External Dimension		mm	548x359x397	487x316x360	457x290x336	416x245x277	405x225x260			
Weight	Weight kg				32	18	15			
Cooling Type		1	Air Cooled							
Others		1	With Timer & Air Ballast							



DRY SCREW VACUUM PUMP DIVIDENCE OF THE STREET OF THE STR

APPLICATION

Chemical and Pharmaceutical Processing,

Solvent Recovery, Crystallization, Vapor Coating, Petroleum and semiconductor markets, etc.

ADVENTAGES ------

considered environmentally friendly.

- A. Oil and Water free Dry running operation makes clean vacuum.
- B. Can achieve ultimate vacuum as low as 0.6 Pa
- C. Quiet operation; Equipped with special silencer, lower noise.

advantages over the traditional vacuum pump designs. There is "NO OIL NO WATER" in contact with the process vapors, therefore they are

- D. No metal-metal contact between Screw and Casing ensures long pump life.
- E. Simple design results easy maintenance.

Мо	del	Unit	DSW50	DSW70	DSW100	DSW150	DSW200	DSW300	DSW350			
Suction	50 Hz	m³/hr	180	250	430	540	720	1080	1260			
Capacity Ultimate Pressure Motor Power Rotary Speed Inlet Diar Outlet Dia	60 Hz	111-7111	216	300	360	650	850	1296	1512			
Ultimate	50 Hz	mbar				0.02						
Pressure	60 Hz	IIIbui				0.01						
Motor 50 Hz		KW	5.5	7.5	11	15	18.5	22	22			
Power	60 Hz	KVV	7.5	11	15	15	22	26	26			
Rotary	50 Hz	RPM	2900									
Speed	60 Hz	KFW	3550									
Inlet Di	ameter	mm	50	65	70	90	100	100	100			
Outlet D	iameter	mm	40	40	55	65	65	65	65			
Lubricating oi	l consumption	L	0.85	0.85	1.4	2	2	2	2			
Cooling	g Water	L/min	2.5	2.6	2.8	3	4	4	4			
Consu	mption	gal/min	0.67	0.7	0.75	0.8	1.07	1.07	1.07			
We	ight	kg	295	350	480	520	680	850	850			
No	Noise dB(A)			70	70	72	74	84	84			
Working Te	Working Temperature C			5~40								
Max. Permiss	ible Humidity	1	90%									





INTRODUCTION

MP series molecular pump can obtain clean and ultra-high vacuum pressure without cold trap and oil baffle. ARAKI can provide three types of molecular pump with distinguished structure as, hybrid molecular pump, turbo molecular pump, and grease lubricated hybrid molecular pump.

ADVENTAGES

FOR HYBRID MOLECULAR PUMP -

- A. High pumping speed and compression ration.
- B. Being no critical and with no memory effect to pumped gas.
- C. With clean and high (ultra-high) vacuum without cooling trap and oil flap.
- D. Supply Scope: Molecular pump, with controller and 5m connection cables.

FOR TURBO MOLECULAR PUMP (MP-3600 MODEL) -

- A. High intensity for vane.
- B. Light rotor.
- C. Short start-up time.
- D. Low mechanical consumption.
- E. Long lifetime
- F. Supply Scope: Molecular pump, with controller and 5m connection cables.

FOR GREASE LUBRICATED HYBRID MOLECULAR PUMP

- A. High stability.
- 3. Easy to achieve high vacuum with oil free.
- C. Same advantage with turbo molecular pump.
- D. Supply Scope: Molecular pump, with controller and 5m connection cables.

APPLICATION

It can be widely used in variant vacuum technology field like photovoltaic, lighting, aerospace, semi-conductor, energy, military, laser, home electrics, material, automobile, etc.







MP SERIES HYBRID MOLECULAR PUMP & TURBO MOLECULAR PUMP

M	ODEL	UNIT	MP-	-600	MP-	1200	MP-	1600	MP-3600		
High vac	cuum flange	mm	150CF	160ISO-K	200CF	200ISO-K	250CF	250ISO-K	400 ISO-K		
Fore p	ipe flange	mm	40 KF		40	40 KF		KF	100 ISO-K		
Pump	ing speed	L/s	600		12	00	160	00	3600		
Compression ration		N ²	>1	O 9	>1	O ⁹	>1	O _a	>108		
Compre	ssion ration	H ²	>8:	x10 ³	>1x	104	>lx	10 ⁴	>5x10²		
Ultimate pressure		Torr	>8x10 ⁻⁸	>5x10 ⁻⁷	>8x10 ⁻⁸	>5x10 ⁻⁷	>8x10 ⁻⁸	>5x10 ⁻⁷	>5x10 ⁻⁶		
Rota	ry Speed	rpm	240	000	240	000	240	000	13500		
Vibrat	ion value	μm	≤(0.1	≤(D.1	≤0.15		≤0.15		
Start	Start-up time		<4.5		<5		<6		<11		
Fore pu	ımp speed	L/s	4-8		8-15		15		30-70		
Coolin	g method	1	Air / Water		Air / Water		Air / Water		Water		
Ambient ter	nperature (Air)	°C	≤2	20	≤20		≤20		1		
Cooling	Temperature	°C	≤:	35	≤35		≤35		≤25		
Water	Consumption	L/min	1-	-2	1-	-2	1-2		2		
Bake-up	Temperature	°C	<1	20	<1	20	<12	20	<120		
Hostor	Power	KW	<2	50	<3	00	<3!	50	1		
Heater	Input Voltage	V	AC	220	AC	220	AC2	220	1		
Mounti	ng Position	1	Vertical ±5°		Vertical ±5°		Vertical ±5°		Vertical ±5°		Vertical ±5°
W	'eight	kg	2	!5	2	.9	3	1	100		

MP SERIES GREASE LUBRICATED (HYBRID) MOLECULAR PUMP

МО	DEL	UNIT	MP-	300	МР-	-650	MP-	1300	MP-	2000
High vacu	um flange	mm	100CF	100ISO-K	150CF	160ISO-K	200CF	200ISO-K	250CF	250ISO-K
Fore pip	e flange	mm	25	KF	40	KF	40	KF	50	KF
Pumpin	g speed	L/s	30	00	6	50	130	00	20	00
Compression ration		N ²	>1	O ⁸	>1	O ₈	>1	O ⁹	>1	O ₈
Compress	Compression ration		>lx	:10³	>8:	κ10 ³	>lx	10⁴	> 1x	(104
Ultimate	pressure	Torr	>3x10 ⁻⁷	>2x10 ⁻⁵	>8x10 ⁻⁸	>5x10 ⁻⁷	>8x10 ⁻⁸	>5x10 ⁻⁸	>8x10 ⁻⁸	>5x10 ⁻⁸
Rotary	Speed	rpm	30000		240	24000 24000		24000		
Bea	ring	1	Grease Lubricated Ceramic Bearing							
Vibratio	n value	μm		/	≤(0.1	≤0	0.1	≤(0.1
Start-u	ıp time	min	<	4	<	:5	<	5	<	:5
Fore pun	np speed	L/s	2	2	4	-8	8-	15	8-	-15
Cooling	method	1	А	ir	Wa	ater	Water/Air		Water/Air	
Cooling	Temperature	۰C	ı	/	≤.	20	≤2	20	≤:	20
Water	Consumption	L/min		/		1	1		1	
Mounting	g Position	1	Aı	ny	А	ny	Aı	ny	А	ny
We	ight	kg	1	1	2	.2	2	7	3	55



VACUUM SYSTEM













VACUUM SYSTEM













VACUUM VALVES -

ARAKI offer kinds of vacuum valves, such as ultra-high (high) vacuum gate valve, high vacuum damper valve, vacuum ball valve, vacuum butterfly valve, high vacuum angle valve, high vacuum flap valve, Electromagnetic differential pressure charge valve etc. Customization is also available.







VACUUM FITTINGS

Not only vacuum pump and vacuum system, we also supply vacuum fitting, such as flange fittings, vacuum bellows, vacuum gauges accessories etc. Customization is also available.





























INDOTARA

PT. INDOTARA PERSADA

Our Marketing Office and After Sales Service Center

Head Office

50/F, Menara BCA Grand Indonesia Jl. M.H. Thamrin No.1 Jakarta Pusat 10310



dce@indotara.id



Semarang Office

Wisma HSBC Lt. 6 Suite 609 Jl. Gajah Mada No.135 Semarang, Jawa Tengah 50134

024 - 40 33 88 99

smg.dce@indotara.id

Marketing Office

APL Tower 6th Floor No. 6 Central Park, Jl. Letjen S. Parman Kav 28, Jakarta Barat - 11440

> 021 - 5011 2228 🖀 dce@indotara.id



Medan Office

Sutomo Tower Lantai 5H Jl. Sutomo Ujung No.28, Kota Medan, Sumatera Utara 20235

061 - 50 300 600

mdn.dce@indotara.id

Graha Indotara

Millenium Industrial Estate Jl. Millenium 22 Blok R3 No. 1 Cikupa, Tangerang - Banten 15720

021 - 5011 2228 🖀

dce@indotara.id 🙉



Makassar Office

Fajar Graha Pena Lt. 5 Jl. Urip Sumoharjo No. 20,

Makassar - South Sulawesi 90234 021 - 5011 2228

mks.dce@indotara.id

Bandung Office

Wisma HSBC Lt. 6 Suite B Jl. Asia Afrika No. 116 💽 Bandung, Jawa Barat 40112

021 - 5011 2228 🕿

bdg.dce@indotara.id @



Balikpapan Office

Panin Tower Lt. 8 - Grand Sudirman Jl. Jendral Sudirman No.7 Klandasan Ilir, Balikpapan Kota, Kalimantan Timur 76114

2228 221 - 5011

bpp.dce@indotara.id

Surabaya Office

Japfa Indoland Center, Tower I Lt. 10/1008 Jl. Jendral Basuki Rahmat 129-137 🌘 Surabaya 60271

031 - 3313 3333 🕿

sby.dce@indotara.id



Bali Office

Benoa Square Lt. 2 Jl. Bypass Ngurah Rai No. 21 A Kedonganan, Kuta Badung - Bali Indonesia 80361

021 - 5011 2228

bali.dce@indotara.id

Yogyakarta Office

Hartono Mall Yogyakarta Lt. 3 Kaliwaru, Condongcatur, Sleman, Yogyakarta 55281

021 - 5011 2228 🕿

yog.dce@indotara.id 🙉



Singapore Office

Marina Bay Financial Centre Tower 3 17F, 12 Marina Boulevard Singapore - 018982

021 - 5011 2228

sing.dce@indotara.id





