



VAKUUM BOHEMIA s.r.o.

www.vakuum-bohemia.cz
Lidická Kolonie 47
Tel.: +420 567 322 487

e-mail: vakuum@ji.cz
586 01 Jihlava
Fax: +420 567 330 560

ISO 9001



ADVANCED OIL-LESS ROCKING PISTON PUMPS SERIES

Features

- Oil-less operation & permanently lubricated bearings
- Provided with high performance silencer
- **Stainless steel valves and AL Die Casting body**
- **Company oil-free**
- **Compact design & Light weight**
- Low noise & vibration, leak tight
- Distinguished long life & easy to maintain
- **PTFE Coating Model available**

Applications

- Medical, Dental & E.N.T. Equipments
- **Oxygen Concentrator** & Ozone generator
- Semi Conductor processing, Chip moulder
- Packing machine, Food processor
- Environmental equipments
- Laser & Plasma Cutting Machine

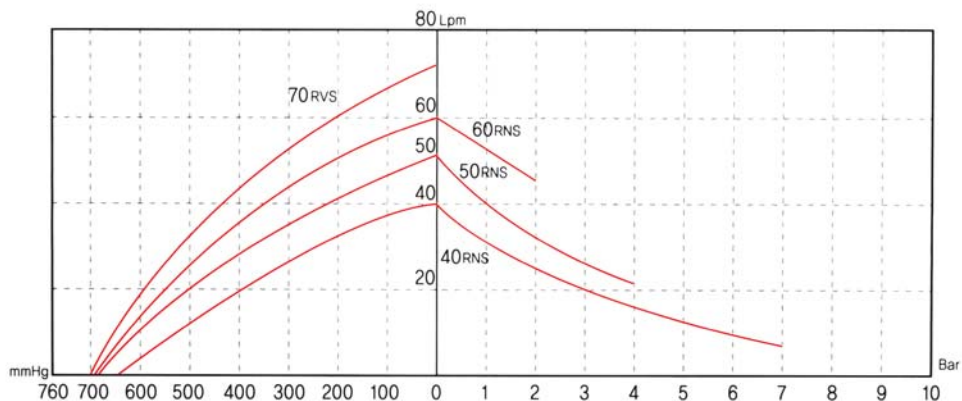
ADVANCED OIL-LESS ROCKING PISTON PUMPS SERIES

SINGLE HEAD TYPE

Specifications

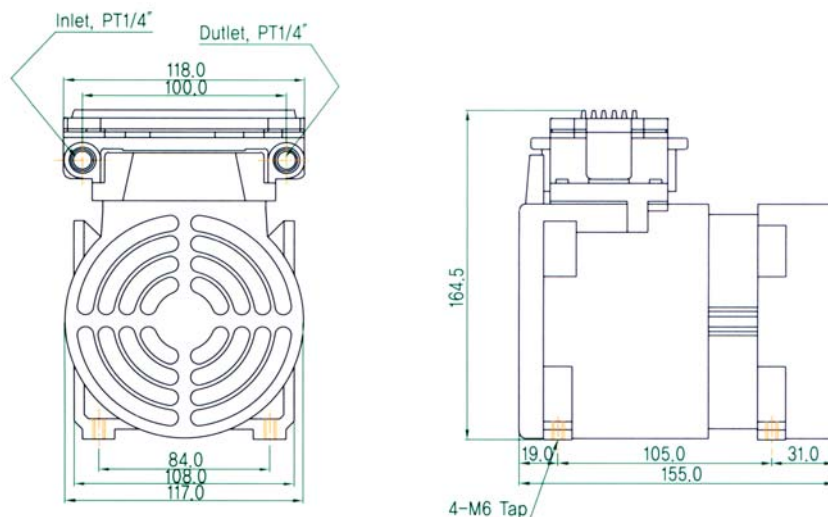
model	SINGLE HEAD			
descriptions	70 RNS	60 RNS	50 RNS	40 RNS
HEAD CONNECTING	Vaccum Only		Vaccum / Pressure	
FREE FLOW RATE	70 LMP	60 LMP	50 LMP	40 LMP
MAX. VACCUM	700 mmHg	690 mmHg	680 mmHg	650 mmHg
MAX. PRESURE	N. A.	2 bar	4 bar	7 bar
CONNECTING TYPE	R 1 / 4 "			
DIMENSIONS	155 (L) x 157 (H) x 118 (W) mm			
WEIGHT	4.2 kg			
NOISE LEVEL	55 ~ 53 dB			
MOTOR TYPE	Capacitor Start Type, Equipped with Thermal Protector & Inner Cooling Fan			
MOTOR POWER	100 W			
POWER SOURCE	230 VAC, 50 Hz			

Performance Curves of Single Head Type



Rocking Piston Pump (Single Head)

3. 40, 50 & 60 RNS

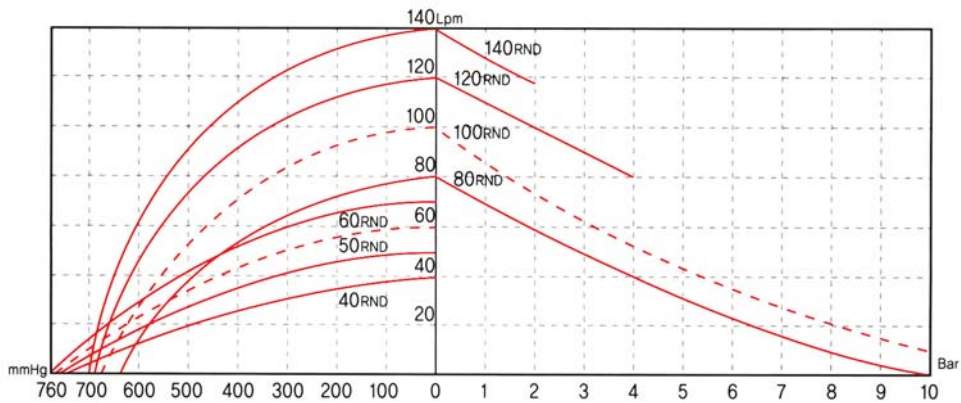


DOUBLE HEAD TYPE

Specifications

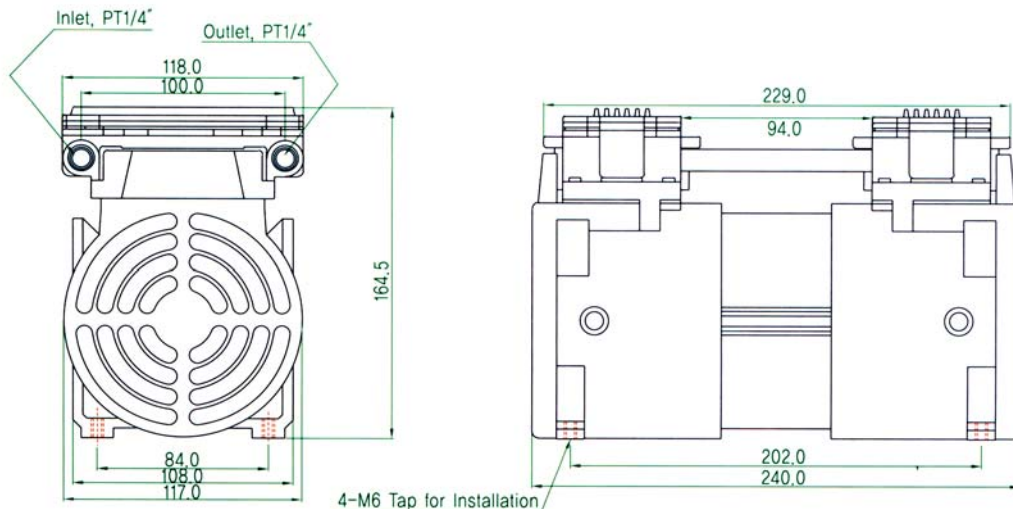
model	DOUBLE HEAD							
descriptions	140 RND	120 RND	100 RND	80 RND	70 RND	60 RND	50 RND	40 RND
HEAD CONNECTING	Parallel Connecting (1-STAGE)				Serial Connecting (2-STAGE)			
HEAD CONFIGURATION	Vaccum / Pressure				Vaccum Only			
FREE FLOW RATE	140 LMP	120 LMP	100 LMP	80 LMP	70 LMP	60 LMP	50 LMP	40 LMP
MAX. VACCUM	700 mmHg	690 mmHg	680 mmHg	650 mmHg	750 mmHg	745 mmHg	740 mmHg	720 mmHg
MAX. PRESURE	2 bar	4 bar	7 bar	7 bar	N. A.			
CONNECTING TYPE	R 1 / 4 "							
DIMENSIONS	240 (L) x 157 (H) x 118 (W) mm							
WEIGHT	7.1 kg							
NOISE LEVEL	55 ~ 58 dB				50 ~ 53 dB			
MOTOR TYPE	Capacitor Start Type, Equipped with Thermal Protector & Inner Cooling Fan							
MOTOR POWER	200 W							
POWER SOURCE	230 VAC, 50 Hz							

Performance Curves of Double Head Type



Rocking Piston Pump (Double Head)

100, 120 & 140 RND



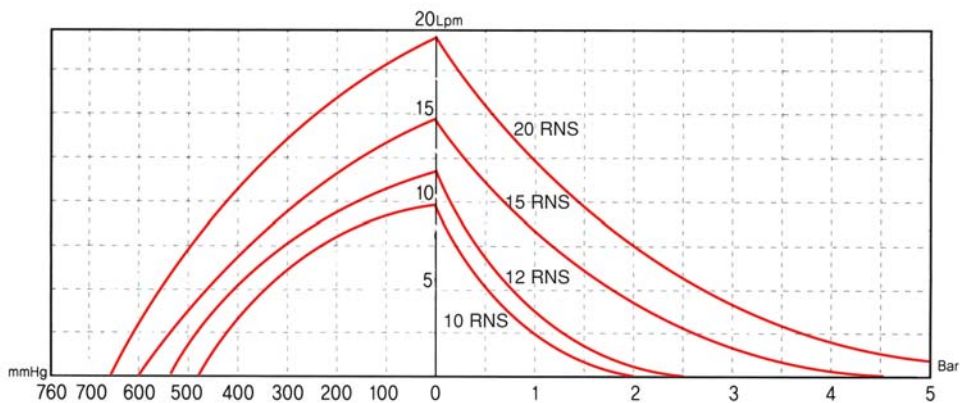
Mini Oil-less Rocking Piston Pumps Series

Specifications

model	DOUBLE HEAD				SINGLE HEAD			
	20 RND	15 RND	12 RND	10 RND	20 RNS	18 RNS	15 RNS	10 RNS
descriptions	20 RND	15 RND	12 RND	10 RND	20 RNS	18 RNS	15 RNS	10 RNS
HEAD CONNECTING	Vaccum / Pressure				Vaccum Only			
FREE FLOW RATE	20 LMPx2 Heads	15 LMPx2 Heads	12 LMPx2 Heads	10LMPx2 Heads	20 LMP	18 LMP	15 LMP	10 LMP
MAX. VACCUM	650 mmHg	600 mmHg	540 mmHg	490 mmHg	650 mmHg	600 mmHg	540 mmHg	490 mmHg
MAX. PRESURE	6 kg/cm ²	4.5 kg/cm ²	2.5 kg/cm ²	2 kg/cm ²	6 kg/cm ²	4.5 kg/cm ²	2.5 kg/cm ²	2 kg/cm ²
CONNECTING TYPE	Tubing Type (Tube size: Inner diameter must be less than 8 mm)							
DIMENSIONS	192 (L) x 94 (H) x 117 (W) mm				140 (L) x 94 (H) x 117 (W) mm			
WEIGHT	2.2 kg				1.7 kg			
MOTOR TYPE	4 pole, Capacitor Start Type, Equipped with Thermal Protector				4 pole, Capacitor Start Type, Equipped with Thermal Protector & Inner Cooling Fan			
MOTOR POWER	60 W				40 W			
POWER SOURCE	230 VAC, 50 Hz							

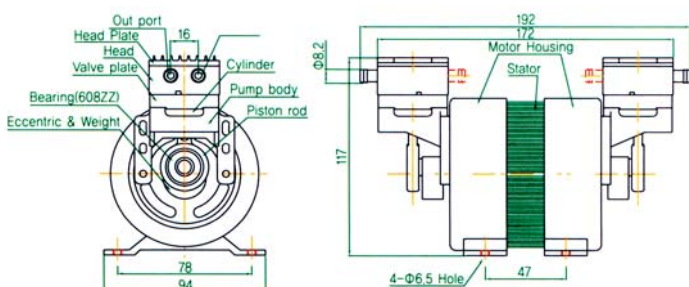
- The data on above table are based on each one head, because each head is installed separately, please refer drawing or picture on before page.
- Another model and type of motor (non standard motor or DC/BLDC motor) can be supplied according to your request.
- Different specifications of head type can be supplied as double head type for application of Oxygen Concentrator in accordance with your request. (RVSA or Membrane type)
- 2 pole motor type can be provided as your request.
- Please contact us for future technical information and how to apply to your system.

Performance Curves of Single Head Type



Mini Oil-Less Piston Pump (Single Head Type)

Double



Single

