POMPDIRECT

NAKAKIN

— Rotary Piston Pump —

Beverages
Dairy
Bakery
Canning
Confectionery
Meat Packing
Aseptic
Cosmetics
Chemicals
Pharmaceuticals
Other

Outstanding "Quality & Performance"

Made in Japan

www.nakakinpump.jp

TECHNICAL INFORMATION

Performance
- Flow rate up to 90,000 l/h
- Screw-type mounting foot: for horizontal and vertical installation
- Flow Direction: Left⟷Right : Up⟷Down

Design
- Easy stock-keeping and spares inventory due to standardized sizes
- Operation pressure up to 15 bar
- Suction head up to 9 mWS

Temperature Resistance
- Up to 95˚C
- Optional up to 150˚C

Product Viscosity
- Up to 300,000 mPas

Colors
- Munsell 7.5 GY 9/2
- Further RAL-lacquer coatings on request

Connections (Suction and Pressure Sides)
- Male parts (DN), DIN 11851 (Standard)
- SMS
- Aseptic flanges DIN 11864-2
- Aseptic Screwed Connection DIN 11864-1
- Tri-clamp, ISO 2852
- Further connection types on request

Materials
- Pump housing and cover: stainless steel (1.4571/AISI 316)
- Double blade rotors (displacement) of patented alloy

Mechanical Shaft Seal
- Carbon/Ceramics
- Tungsten Carbide
- Silicon Carbide
- Further materials on request

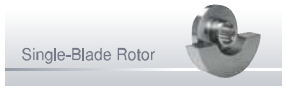
Sealing Material of O-Rings
- Viton
- EPDM
- Further materials on request

JM·JMU Series

Sizes	2	4	10	16	25	40	55	125	160	200	300
max. rpm [min-1]	800	800	800	600	450	450	450	450	450	450	450
max. pressure [bar]	5	7	15	15	15	15	15	15	15	15	15
max. feeding capacity* [liter/minute]	8	20	40	60	100	135	270	410	710	930	1,470
liter/rotation	0.01	0.025	0.05	0.1	0.22	0.3	0.6	0.92	1.58	2.06	3.27
size connections [DN]	25	25	40	40	40	50	50	65	100	100	150
max. feeding capacity [liter/hour]	480	1,200	2,400	3,600	6,000	8,100	16,200	24,600	42,660	55,800	88,200

*based on water without counter pressure, i.e. approx. 1 mPas/0 bar

OPTION


Single-Blade Rotor


Vertical


Rectangular Inlet


Jacket


Vented Cover


Nickel Coating


Unit with SUS Cover


Movable Unit with Inverter Box


Unit with Hopper for High Viscosity Liquids

Manufacture :

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E-mail : pumpinfo@nakakin.co.jp

POMPDIRECT

Rotary Piston Pump

Our record of high performance and quality speaks for itself.
Finding solutions for all your liquid distribution needs.

Technology & Confidence since 1950

Nakakin began its operations in 1950 as a manufacture of wooden patterns and cast dies. To this day, we utilize our technological expertise to manufacture products that require the utmost precision such as Automobile Engine parts. Nakakin has supplied engine parts such as manifolds to major auto companies such as Mitsubishi Motors, Toyota, and Suzuki and so on. Using this technology, we manufacture our pumps from the raw material stage. This means that we have full control over all stages of production right from the start. We monitor both the production and assembly of our pumps, ensuring the highest quality standards. We continue to stay ahead of our competitors through our original manufacturing techniques & specially developed materials such as Nakamura metal No.3.
We currently hold the top position in the Japanese market and export a number of pumps to locations through the world. Nakakin continues to advance with our vision to always deliver "Technology & Confidence".

Nakamura Metal No.3

Nakamura Metal No. 3 is a unique product that we developed using this advanced molding technology. It is a special alloy, similar to SUS that has very minimum expansion even under high temperatures.

Smallest clearance

Despite being a "non-contact structure pump"
…An excellent capability to convey a constant volume of liquid.
…It's self-priming! Can be even used for vacuum pumping.
…It allows for the distribution of liquids of all different levels of viscosity
…It has a maximum discharge pressure of 1.6 MPa

High degree of cleanability

Can be completely cleaned with a CIP (Cleaning in Place) system!
"No need to suffer through daily COP (Cleaning out of Place)"
…The pump's wetted parts are easy to disassemble!

Product List by Category

JM/JO Series

Standard type with Inside Mechanical Seal.
A large number of variations available.

JMU Series

The Outside Mechanical Seal Pump has represents an improvement in anti-corrosion and anti-slurry properties.

SC Series

This pump allows for easiest cleaning without any liquid remnants.

AMXN Series

The Double-layered structure and steam blocks contamination from external air.
A series that is compatible with aseptic lines.

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