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JQA-QM8994

NAKAKIN

SANITARY ROTARY PUMP

High Performance-Super Clean Type
SC SERIES



Technology of Confidence NAKAKIN

POMPODIRECT

High Performance -Super Clean Type NAKAKIN SANITARY ROTARY PUMP SC SERIES

NEW mechanisms

- (1) New shaft-unified rotors
- (2) Flat-head rotors
- (3) New developed super clean mechanical seals

Features

1. Pressure capability: up to 10 Bar

The high discharge pressure was born from NAKAKIN's own bearing mechanism and axial design featuring high rigidity.

2. Exclusive non-galling Nakamura Metal No.3 alloy rotors

Our original-sharped rotors and the minimal clearances allow the constant-volume conveyance of liquids and the strong suction.

3. Easy cleaning, assembly, and disassembly

4. CIP and SIP (steam in place) available

Temperature range is up to 95°C (standard), 150°C (optional).

Pumps may not be operated during SIP.

5. Bi-directional flow

6. Interchangeable installation with vertical type and horizontal type

7. Double-blade rotors and single-blade rotors interchangeable

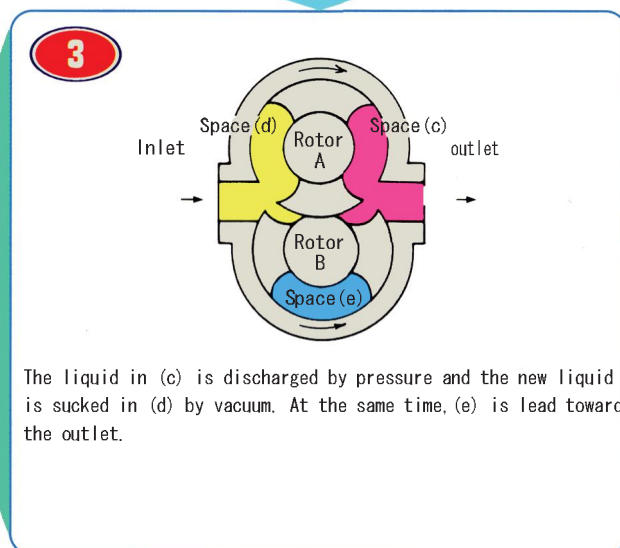
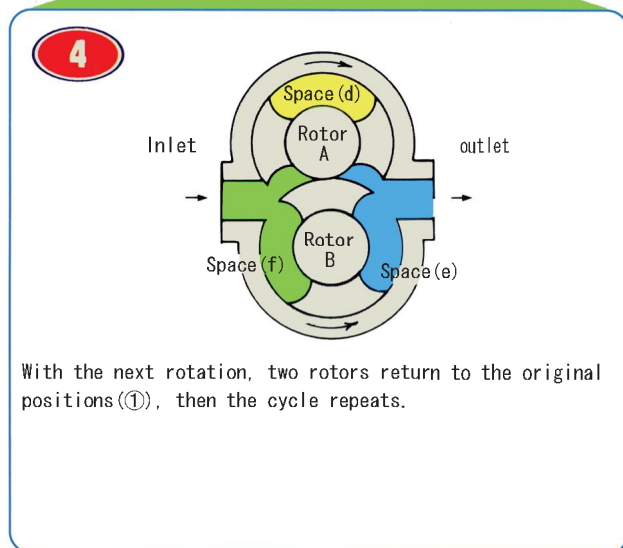
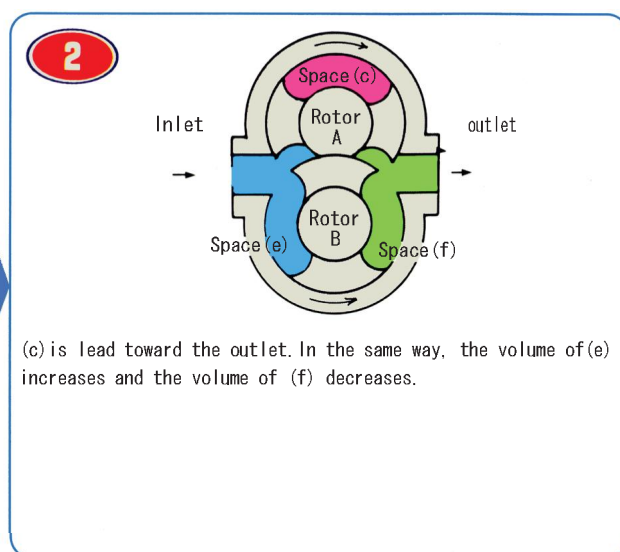
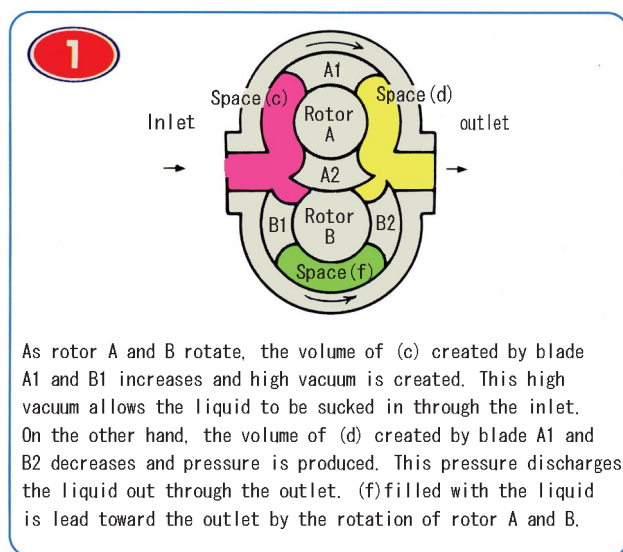
Standard double-blade rotors are suitable for most applications. Optional single-blade rotors are suitable for solid-mingled liquids such as yogurt with the pulp of fruit.

8. Adoptions of the new mechanisms

- ① By adopting the new shaft-unified rotors and the flat-head rotors, no liquid remains in the product zone (especially of the vertical type pump).
- ② The new developed super clean mechanical seals have no O-ring ditch, which allows the high cleaning performance inside of the mechanical seals.



Principle of operation



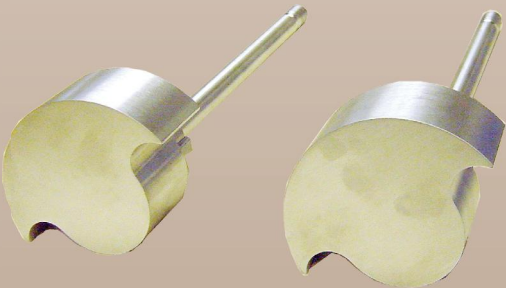
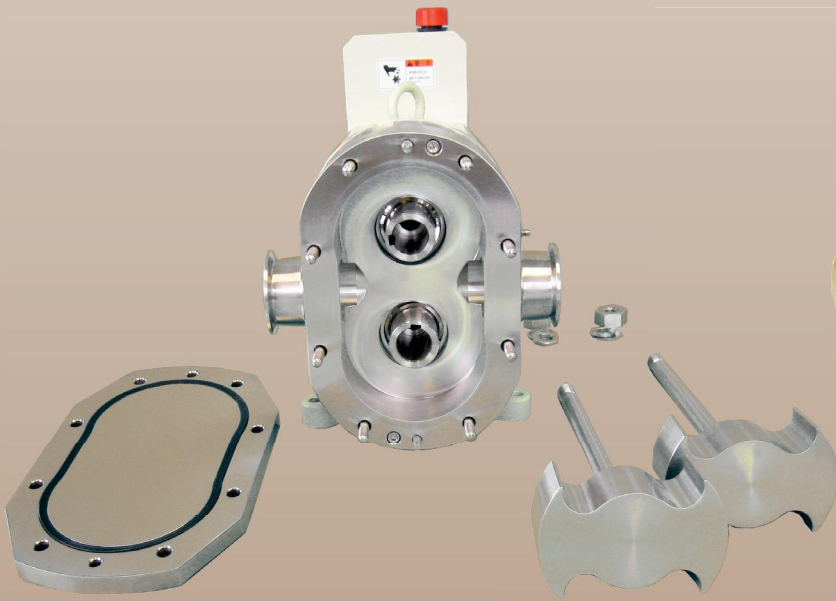
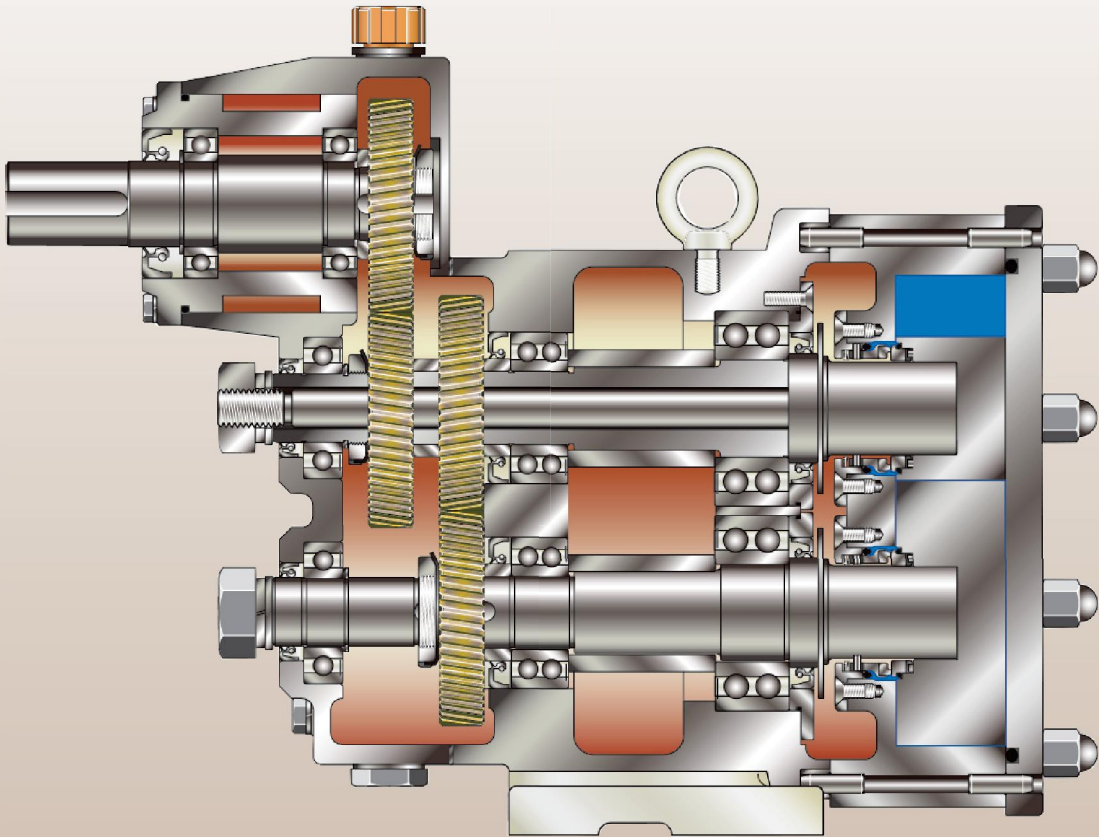
SPECIFICATIONS TABLE FOR SC SERIES

MODEL SPECIFICATIONS	SC 15	SC 30	SC 60	SC 130
Port Size	1-1/2"	2"	2"	3"
Max.Number of Rotation (rpm)	700	450	450	450
Max.Discharge Pressure (MPa)	1.0	1.0	1.0	1.0
Max.Discharge Capacity (L/ Min)	70	125	240	480
(L/H)	4200	7500	14400	28800
AT 1 RPM (CC)	100	277	533	1066

Applications

- *Dairy : Yogurt (with the pulp of fruit), Cream
- *Flavoring : Ketchup, Sauce, Vinegar, Soy sauce
- *Cooked food : Meat sauce, Stew, Curry, Gratin
- *Beverage : Concentrated juices, Soft drinks, Beer, Coffee
- *Confectionery : Jellies, Flour paste, Jams, Starch syrup
- *Processed food : Fish paste, Bean paste, Starch, Honey, Sausage, Hamburger, Salami, Pet foods
- *Chemical : Paints, Inks, Bonds, Glues, Soaps, Detergents
- *Cosmetics : Hand creams, Shampoos, Lotions, toothpastes
- *Pharmaceutical : Extracts, Syrups, Ointments, Artificial blood etc.

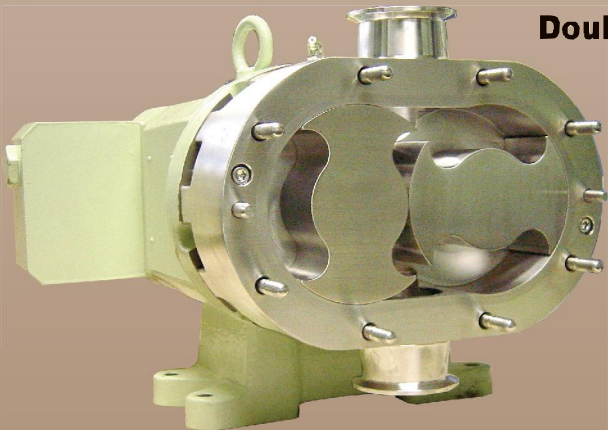
STRUCTURAL DRAWING



Single blade rotor



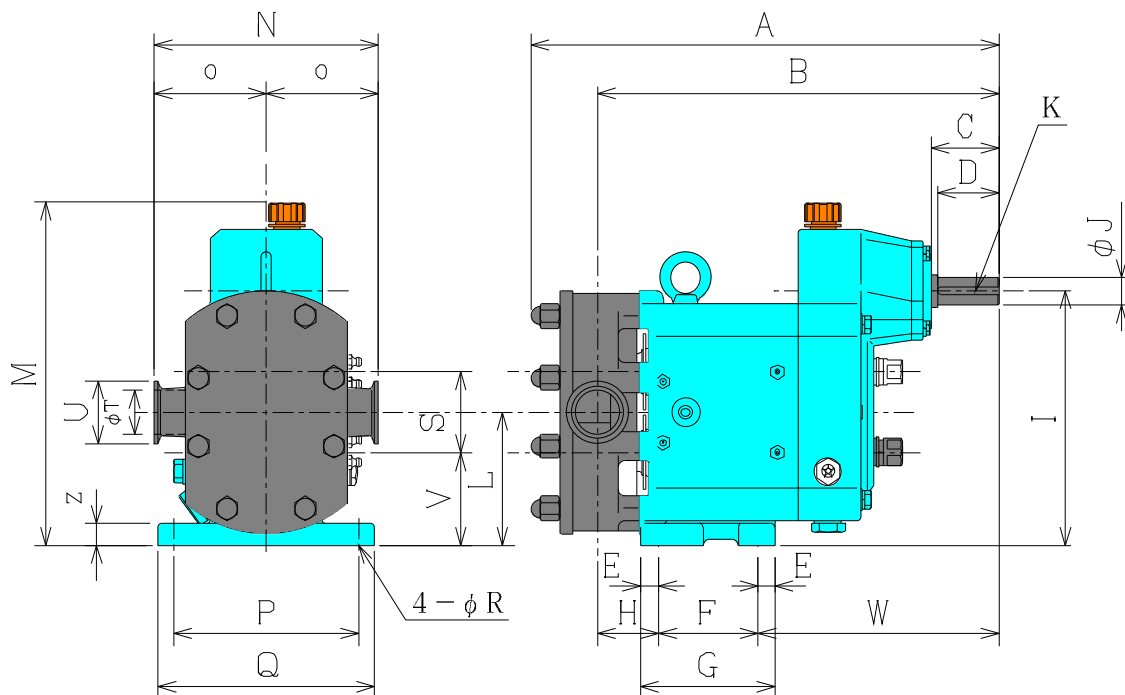
Double blade rotor



Vertical pump type

Mechanical seal

DIMENSIONS



MODEL SYMBOL	SC 15	SC 30	SC 60	SC 130
A	377.5	447.5	547.5	577.5
B	324	380	470	490
C	55	56	65	65
D	50	50	60	60
E	14	15	20	20
F	80	99	115	115
G	108	129	155	155
H	49	60	80	80
I	205	259	358	358
J	22	34	45	45
K	Width	6	10	12
	Depth	3.5	5	5
L	107.5	133	185.5	185.5
M	276.5	340	459	459
N	180	217	270	270
O	90	108.5	135	135
P	150	174	230	230
Q	174	198	260	260
R	11	11	14	14
S	65	84	115	115
T	30	46	46	73
U	40A	50A	50A	75A
V	75	91	128	128
W	195	221	275	275
Z	18	20	23	23

※The dimensions may be subject to change for improvements without prior notice.

PUMP PERFORMANCE CHARACTERISTIC CURVE

