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ISO 14001 02264



JQA-QM8994

NAKAKIN

SANITARY ROTARY PUMP

Outside Mechanical Seal-Type
JMU SERIES



Technology of Confidence NAKAKIN

POMP  DIRECT

NAKAKIN SANITARY ROTARY PUMP JMU SERIES

High Performance / Outside Mechanical Seal-Type

Features

1. Discharge Pressure 1.0 MPa (Max: 1.0 kg/cm²)

Our unique bearing mechanism and highly rigid shaft design creates high discharge pressure.

2. Self-Priming and Perfect for Vacuuming

Small clearance gives the pump strong suction capabilities. With a quenching mechanism, it is perfect for drawing liquid from the vacuum tank.

3. Best for Distributing Difficult-to-Handle Liquids

The pump is best suited for difficult-to-handle liquids, such as liquids that solidify in air, slurries, and liquids that would cause harm if leaked.

4. Completely Sanitary

Assembly and disassembly are incredibly easy and can be done by just about anybody. Naturally, this pump is very easy to clean, and you can use automatic cleaning with this pump.

5. Excellent Capability to Distribute Constant Volume of Liquid

The unique shape of the rotors and their small clearance allows excellent ability to distribute constant volume of liquid even with high-discharge specifications.

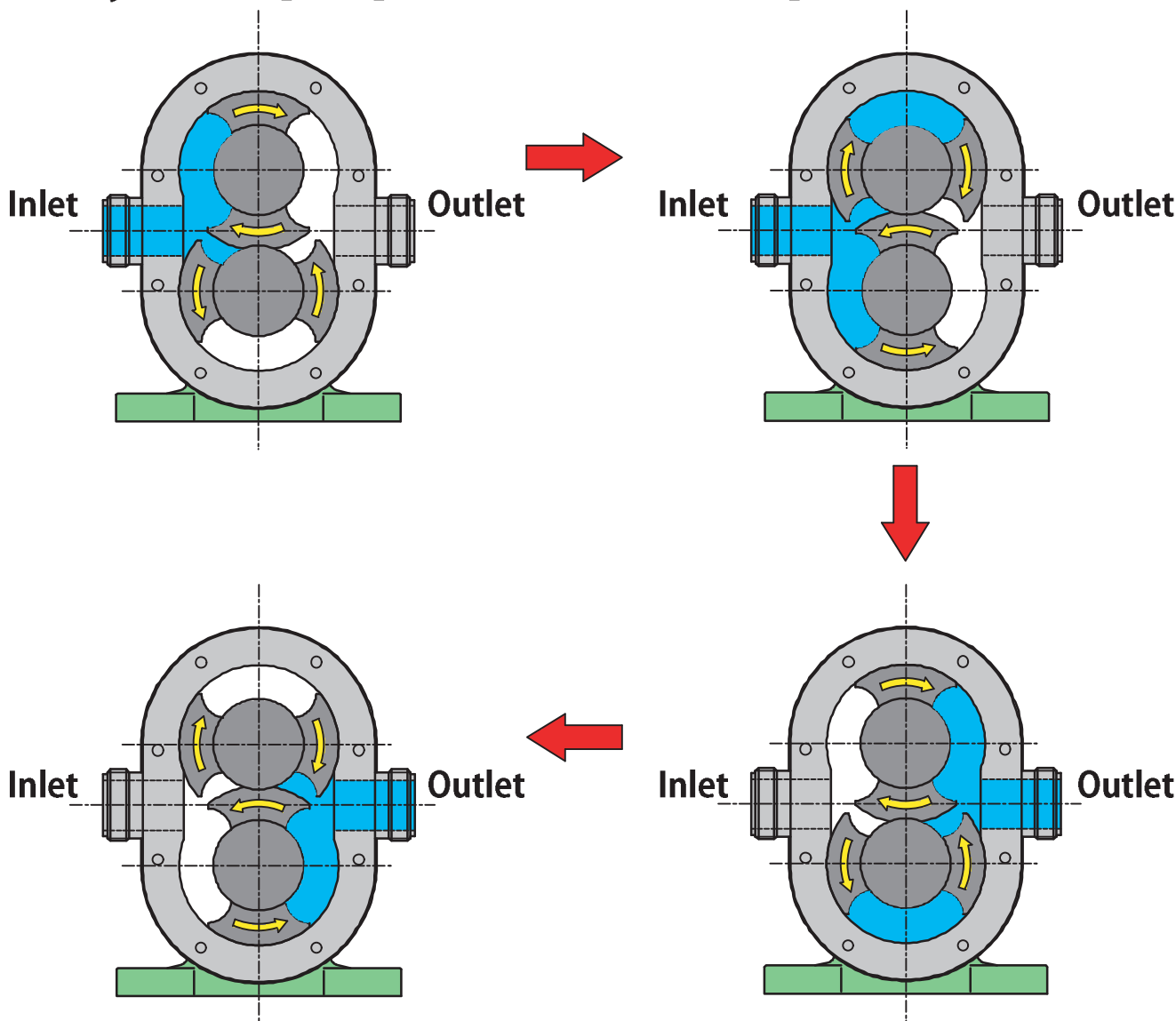
6. Hot Sanitation

Not only does it allow for CIP, but also steam sterilisation.

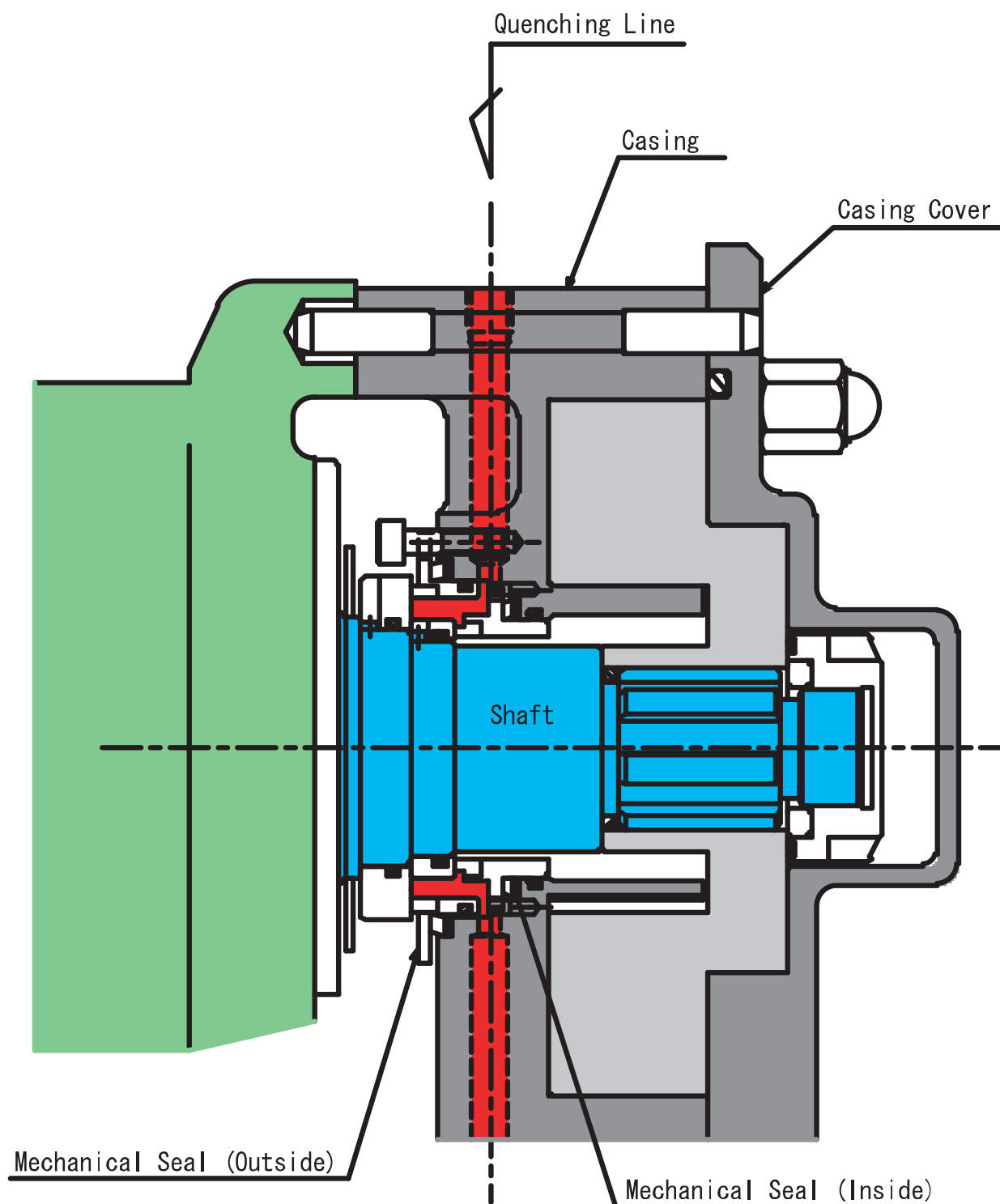
Pump Specification Table

Model	JMU 4	JMU 10	JMU 16	JMU 25	JMU 40	JMU 55	JMU 125	JMU 160	JMU 200
Inlet/Outlet	1 ^s	1 1/2 ^s	1 1/2 ^s	1 1/2 ^s	2 ^s	2 ^s	2 1/2 ^s	4 ^s	4 ^s
Maximum rpm	800	800	600	450	450	450	450	450	450
Maximum Displacement (L/min)	20	40	60	100	135	270	410	550	930
Displacement per Revolution (L)	0.03	0.05	0.10	0.22	0.30	0.60	0.92	1.22	2.06
Maximum Pressure (MPa)	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
High Pressure Maximum Pressure (MPa)	-	-	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Rotary Pump Operation Principle



Outside Mechanism Seal



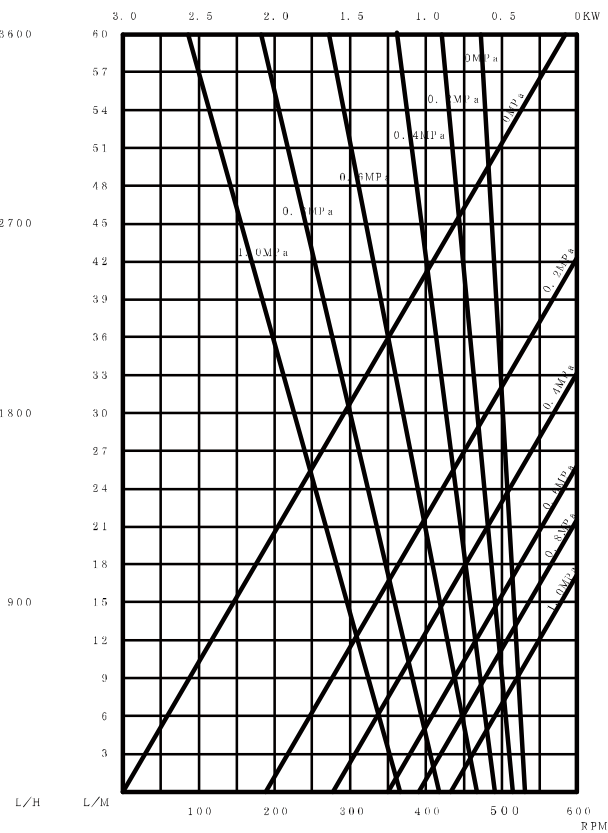
Sealants that can be used as Auxiliary Seals (outside)

- ◆ Oil Seal (NBR, Viton) For oil, water, hot water, etc.
- ◆ Lip Seal (PTFE) For solvents, alkaline solutions, acid solutions, etc.
- ◆ Mechanical Seal (Carbon/Carbide) For steam, warm water, solvents, chemicals, etc.

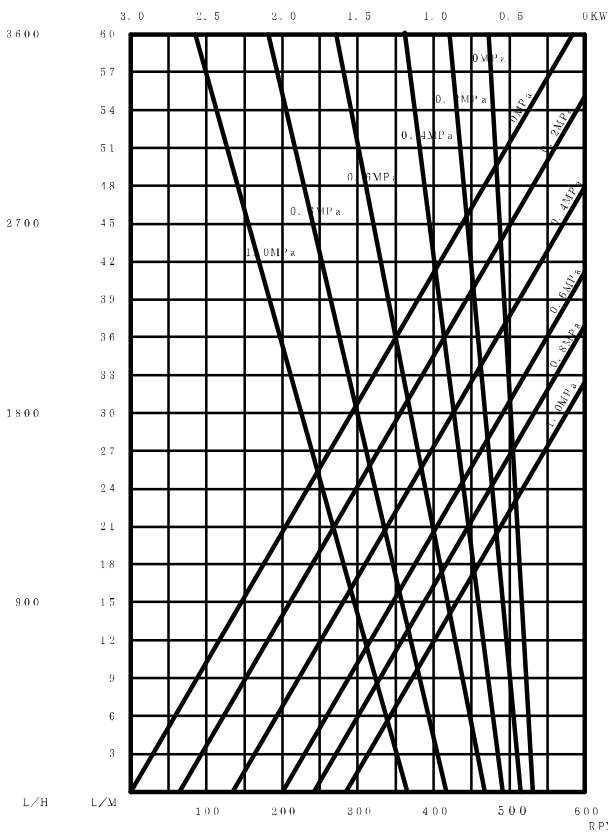
T +31 (0)294-457712 F +31 (0)294-457713 info@pompdirect.nl

Pump Performance Characteristic Curve

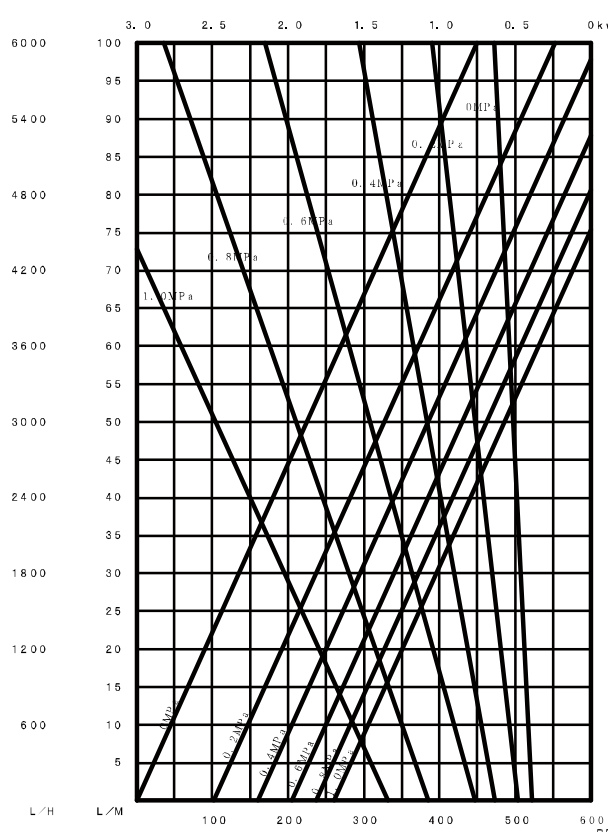
PRODUCT : WATER PUMP MODEL: JMU16
VISCOSITY: 1 mPa·s PORT SIZE: 1.5"



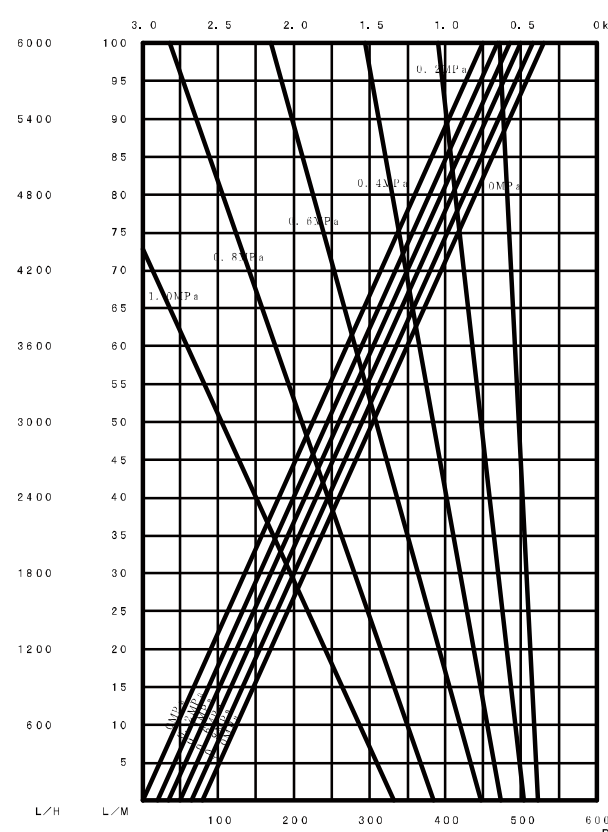
PRODUCT : CMC Aqueous Solution PUMP MODEL: JMU16
VISCOSITY: 500 mPa·s PORT SIZE: 1.5"



PRODUCT : WATER PUMP MODEL: JMU25
VISCOSITY: 1 mPa·s PORT SIZE: 1.5"

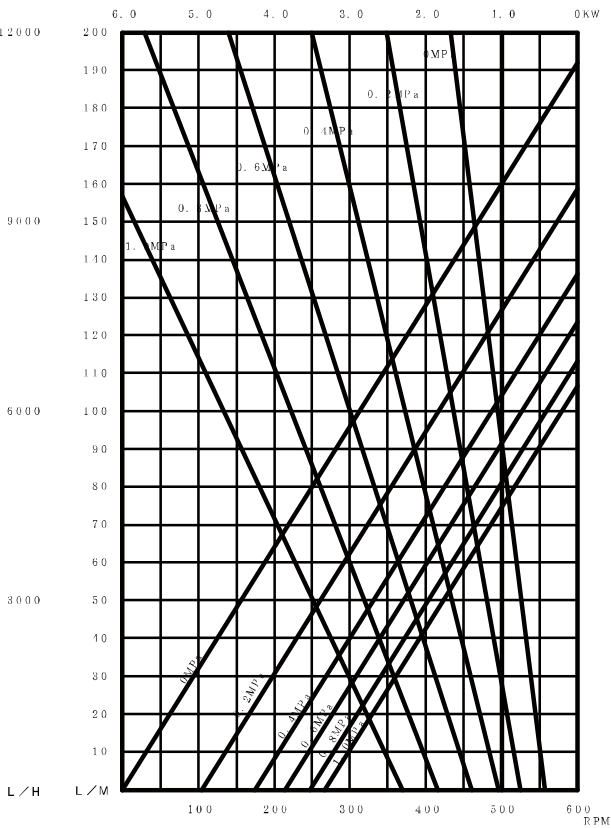


PRODUCT : CMC Aqueous Solution PUMP MODEL: JMU25
VISCOSITY: 500 mPa·s PORT SIZE: 1.5"

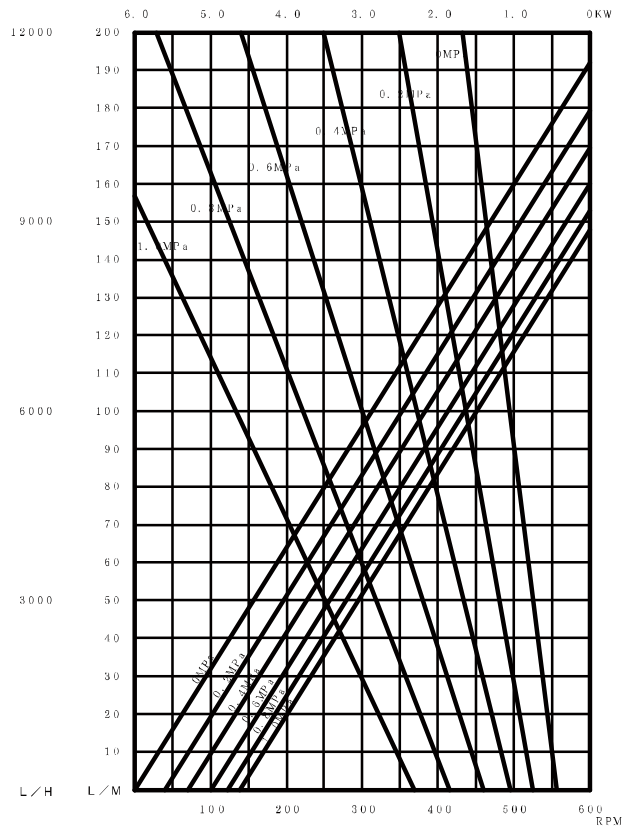


Pump Performance Characteristic Curve

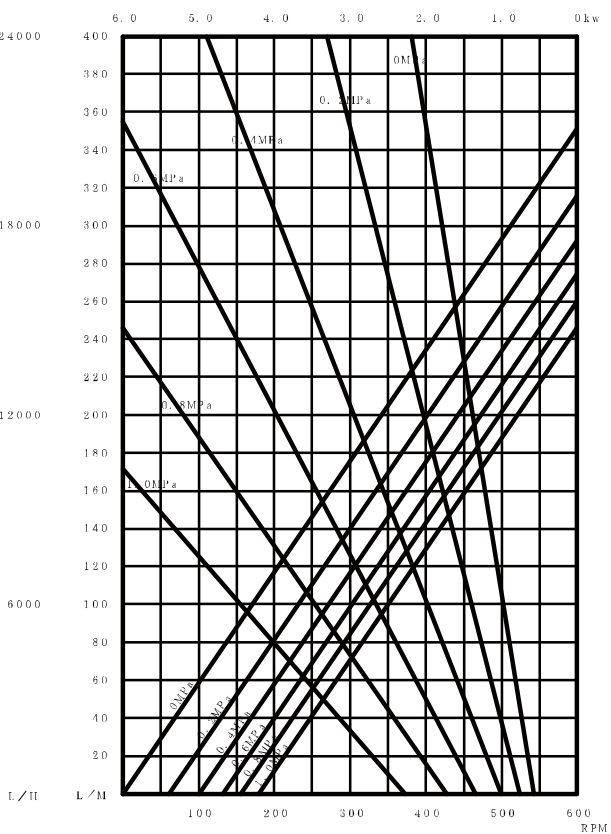
PRODUCT : WATER PUMP MODEL: JMU40
VISCOSITY: 1 mPa·s PORT SIZE: 2"



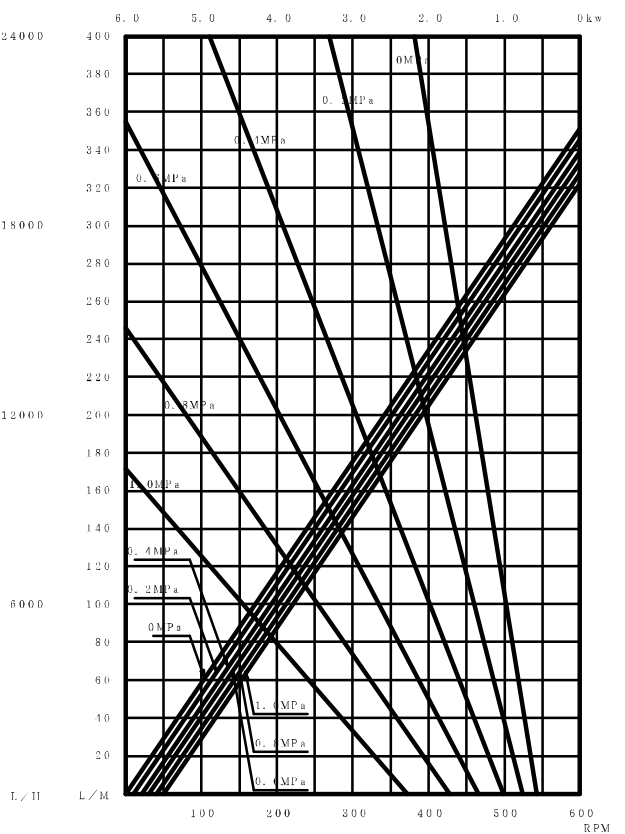
PRODUCT : CMC Aqueous Solution PUMP MODEL: JMU40
VISCOSITY: 500 mPa·s PORT SIZE: 2"



PRODUCT : WATER PUMP MODEL: JMU55
VISCOSITY: 1 mPa·s PORT SIZE: 2"

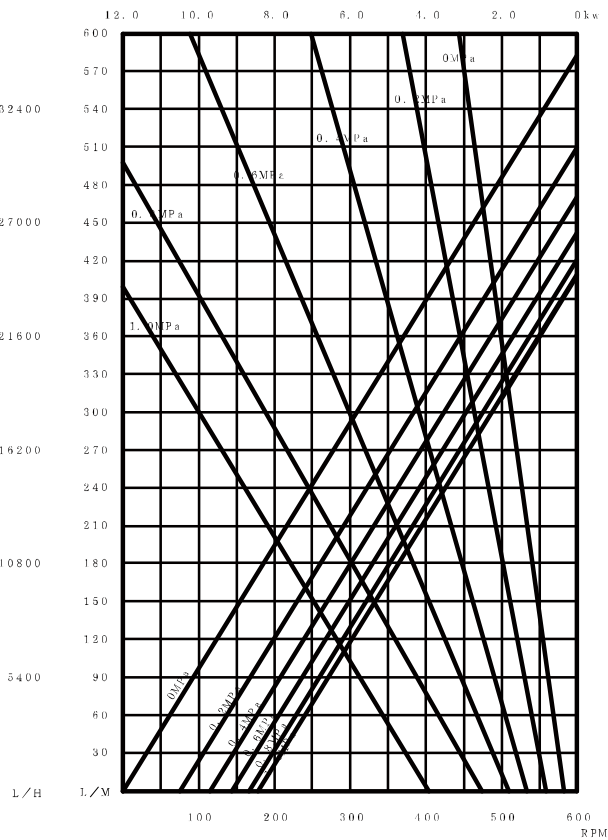


PRODUCT : CMC Aqueous Solution PUMP MODEL: JMU55
VISCOSITY: 500 mPa·s PORT SIZE: 2"

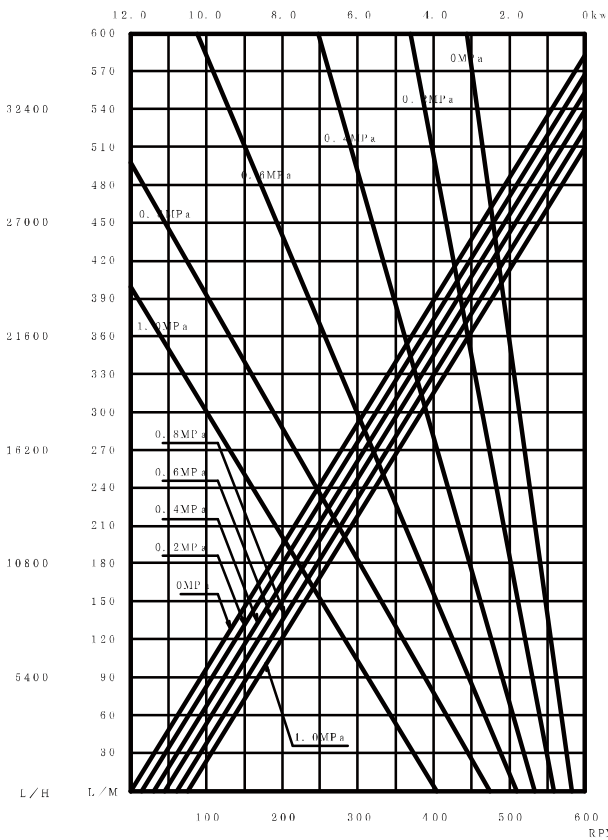


Pump Performance Characteristic Curve

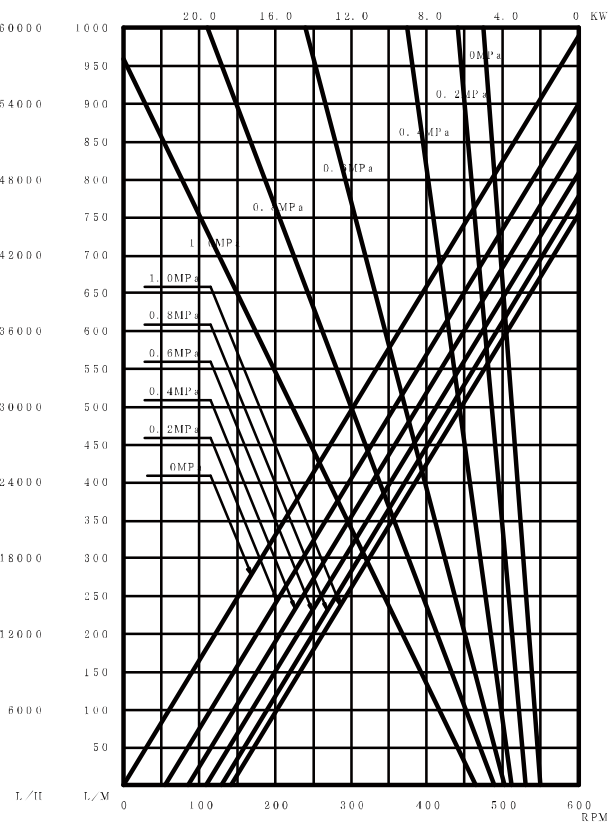
PRODUCT : WATER
PUMP MODEL: JMU125
VISCOSITY: 1 mPa·s
PORT SIZE: 2.5"



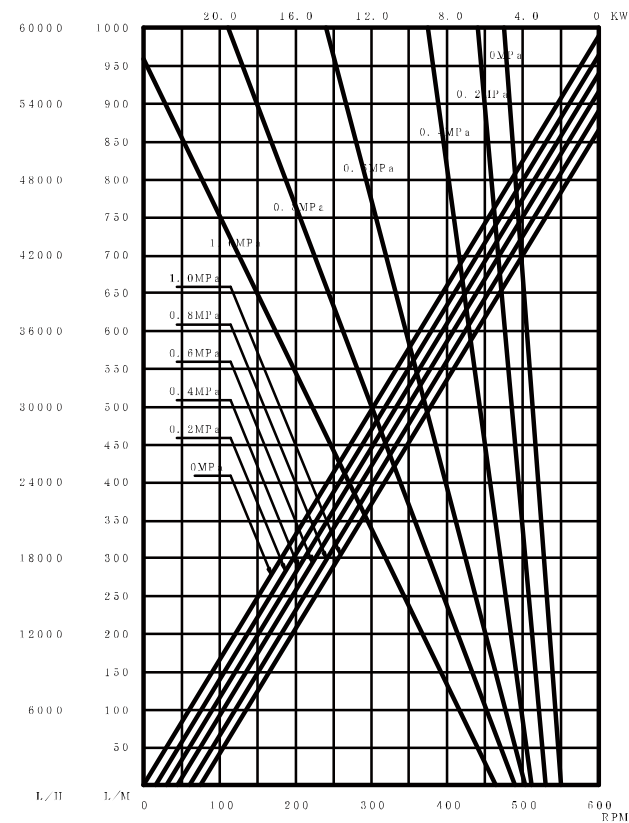
PRODUCT : CMC Aqueous Solution
PUMP MODEL: JMU125
VISCOSITY: 500 mPa·s
PORT SIZE: 2.5"



PRODUCT : WATER
PUMP MODEL: JMU160
VISCOSITY: 1 mPa·s
PORT SIZE: 4"



PRODUCT : CMC Aqueous Solution
PUMP MODEL: JMU160
VISCOSITY: 500 mPa·s
PORT SIZE: 4"



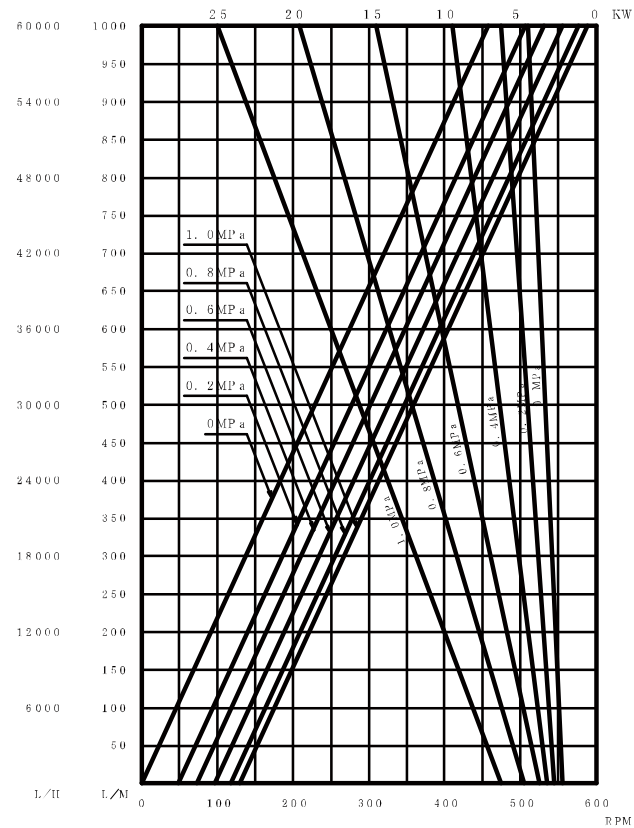
Pump Performance Characteristic Curve ///

PRODUCT : WATER

PUMP MODEL : JMU200

VISCOSITY: 1 mPa·s

PORT SIZE: 4"

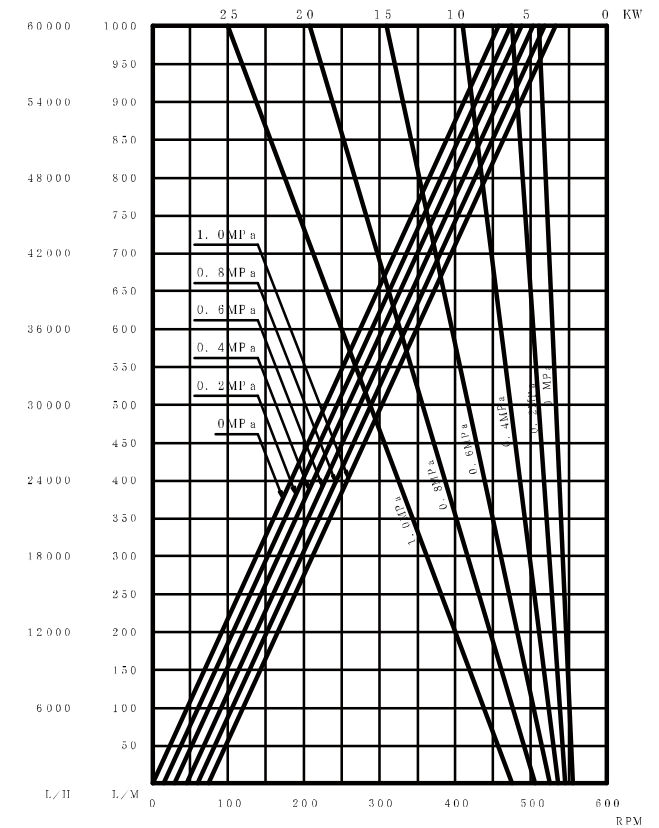


PRODUCT : CMC Aqueous Solution

PUMP MODEL : JMU200

VISCOSITY: 500 mPa·s

PORT SIZE: 4"

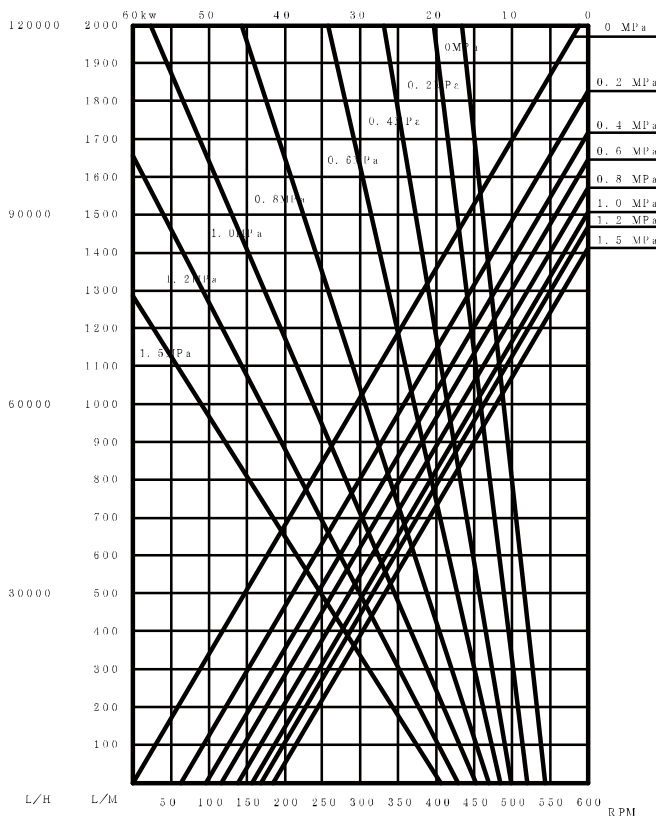


PRODUCT : WATER

PUMP MODEL : JMU300

VISCOSITY: 1 mPa·s

PORT SIZE : 6"

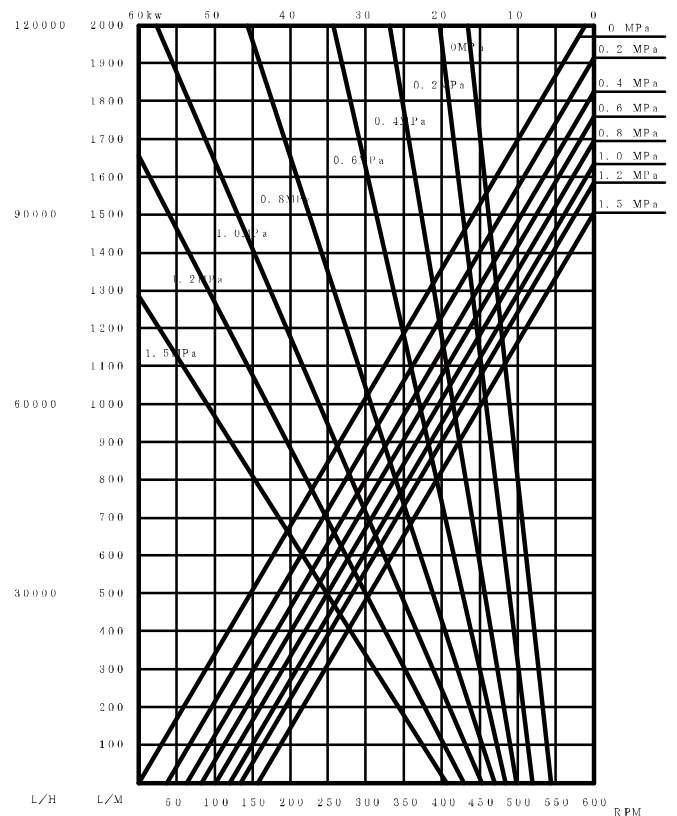


PRODUCT : CMC Aqueous Solution

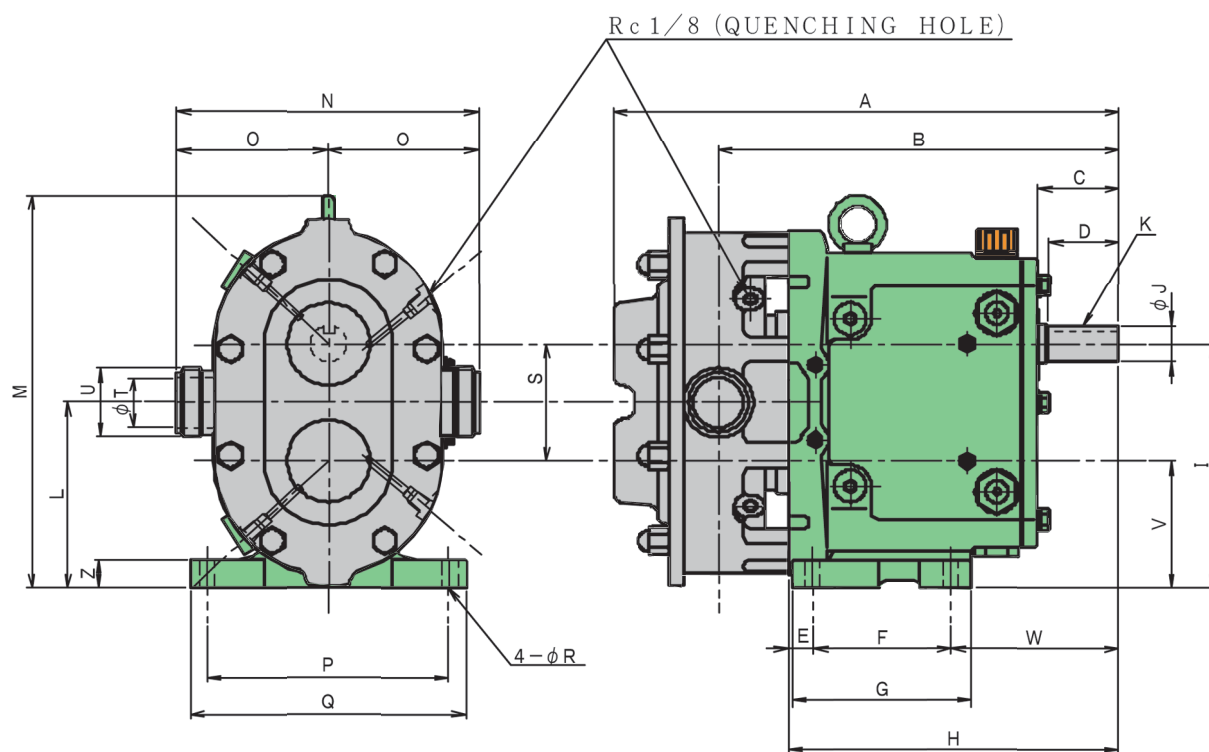
PUMP MODEL : JMU300

VISCOSITY: 500 mPa·s

PORT SIZE : 6"



JMU Dimensional Drawings/Dimension Table //



[mm]	JMU 4	JMU 10	JMU 16	JMU 25	JMU 40	JMU 55	JMU 125	JMU 160 · 200	JMU 300
A	254.5	328	328	362	372	432	458	613	853
B	207	271	266	287	291	347.5	364	464	695
C	34	62	60	58	58	63	63	75	110
D	30	50	50	50	50	54	54	70	100
E	23	15	15	18	18	30	30	25	85
F	75	80	80	99	99	115	115	198	265
G	95	108	108	129	129	155	155	238	335
H	183	218	218	237	237	295	295	388	617
I	100	140	140	175	175	243	243	314	400
J	18	22	22	26	26	36	36	55	70
K	Width	6	6	8	8	10	10	16	22
	Depth	3.5	3.5	3.5	4	5	5	6	9
L	76	107.5	107.5	133	133	185.5	185.5	237	307.5
M	—	237	237	282	282	380	380	506	667
N	167	180	180	217	217	270	270	380	500
O	83.5	90	90	108.5	108.5	135	135	190	250
P	132	150	150	174	174	230	230	280	370
Q	154	174	174	198	198	260	260	320	420
R	9	11	11	11	11	14	14	18	23
S	48	65	65	84	84	115	115	154	185
T	19	24	30	36	47	47	60	96	150
U	1"	1½"	1½"	1½"	2"	2"	2½"	4"	6"
V	52	75	75	91	91	128	128	160	215
W	85	123	123	120	120	150	150	165	267
Z	11	18	18	20	20	23	23	23	30