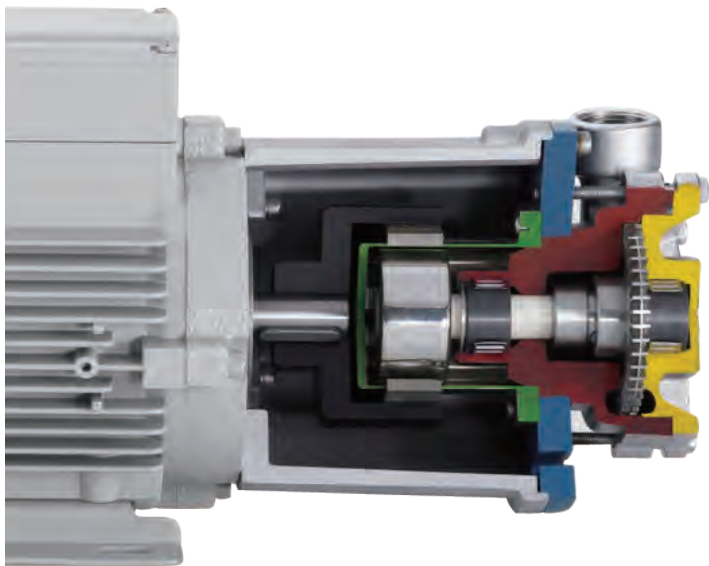

MAGMA

Magnetic Drive Regenerative
Turbine Pump



JM Series

Magnetically Coupled Turbine Pump



Corrosion Resistant Materials

- Stainless Steel 304/316
- Ceramic Shaft
- SIC Bearing
- Electrolytic Polished Casing and cover

Solid Structure

- Precision casting by lost wax process
- Accurate manufacture
- Compact & simple structure

Safety

- Seal-less magnetic drive
- Transferring high temp.(max. 350°C) and low temp.(min. -80°C)
- Endurance of high system pressure (50bar)

Application Capability

- Flow Rates : max 150L/Min
- Discharge Pressure : max 10 bar
- Internal Pressure : max 50 bar
- Temperature : -80°C~350°C
- IE3 Motor

Warranty Period

- 1 year starts form actual operation or 18 months after shipment(FOB, Korea),whichever comes earlier.

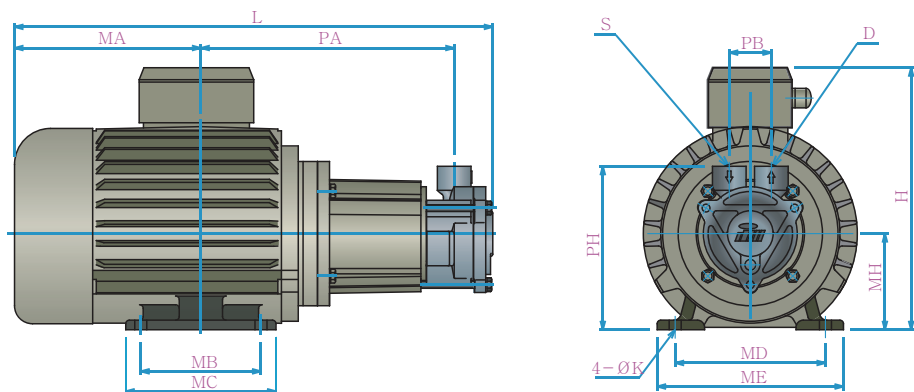
Options

- Motor grade for explosion and IP
- Position of motor terminal box

Certificate

- CE
- ISO 9001 / ISO 14001

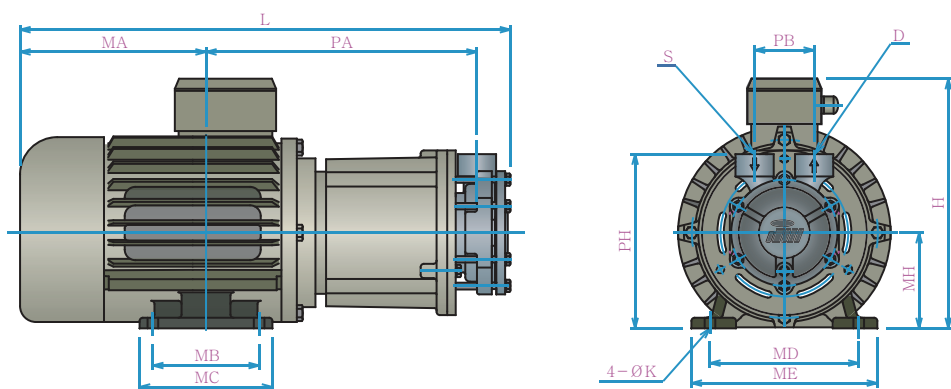
15JMP/15JMT Series



Model	KW	S	D	L	PA	PB	PH	MA	MB	MC	MD	ME	MH	H	K	Weight
15JMxx-07CB	0.75	Rc1/2	Rc1/2	375	203	35	127	134	90	118	112	132	71	174.5	7	12
15JMxx-11CB	1.1	Rc1/2	Rc1/2	382	213.5	35	136	130.5	100	130	125	152	80	194	10	14

※ All above dimensions can be changed for quality assurance without prior notice

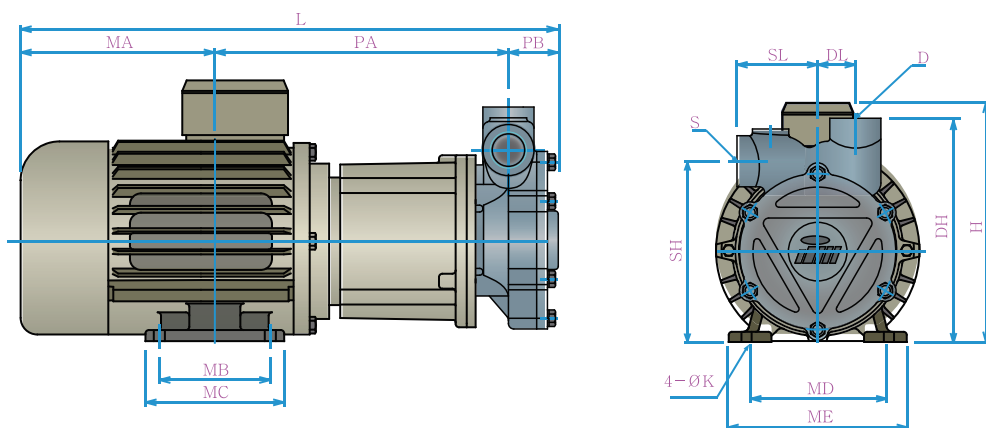
20JMP/20JMT Series



Model	KW	S	D	L	PA	PB	PH	MA	MB	MC	MD	ME	MH	H	K	Weight
20JMxx-15CB	1.5	Rc3/4	Rc3/4	412.5	234.5	56	154	148.5	100	130	125	152	80	194	10	19
20JMxx-22CB	2.2	Rc3/4	Rc3/4	447	272.5	56	164	145	125	162	140	168	90	209.5	10	22.5

※ All above dimensions can be changed for quality assurance without prior notice

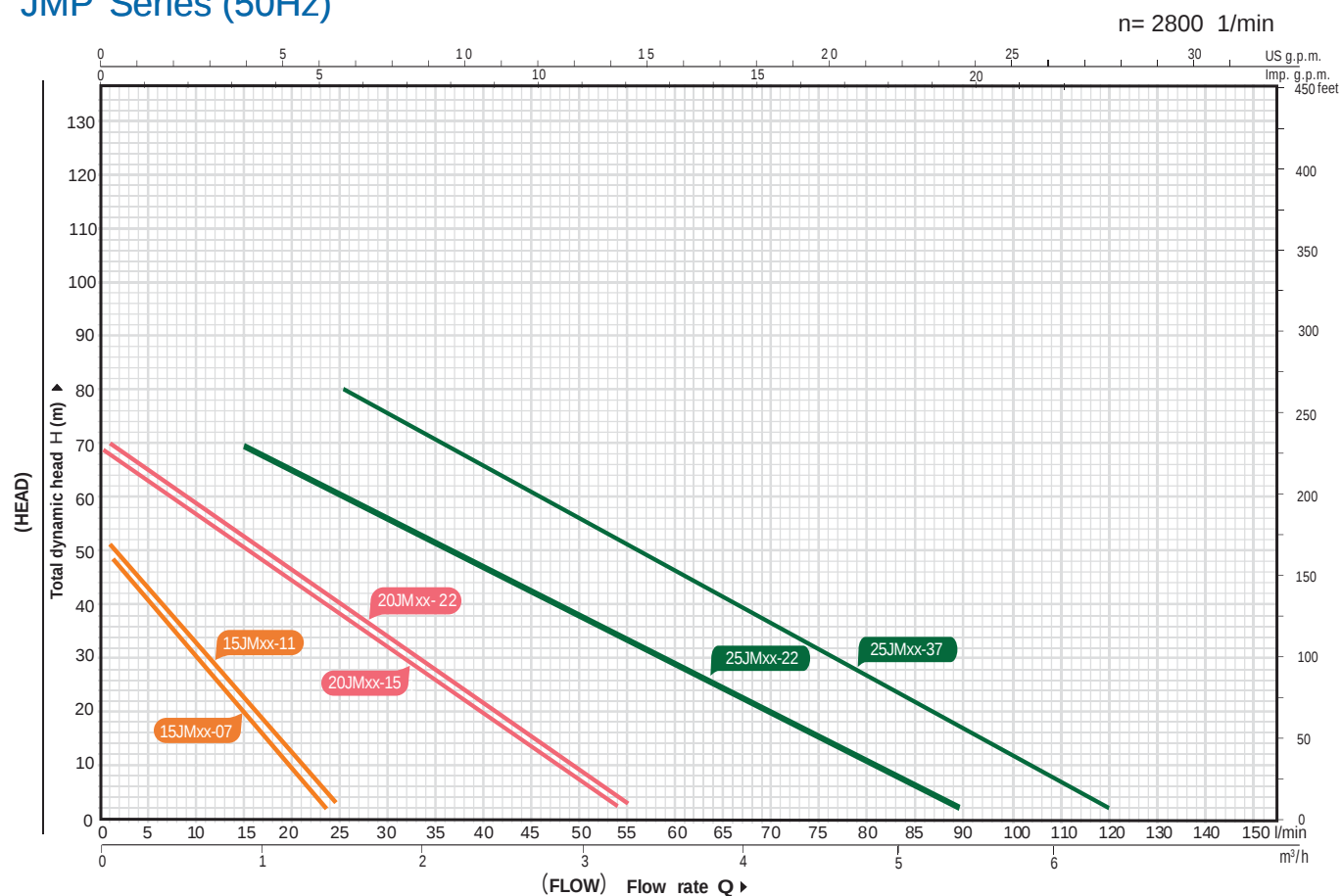
25JMP/25JMT Series



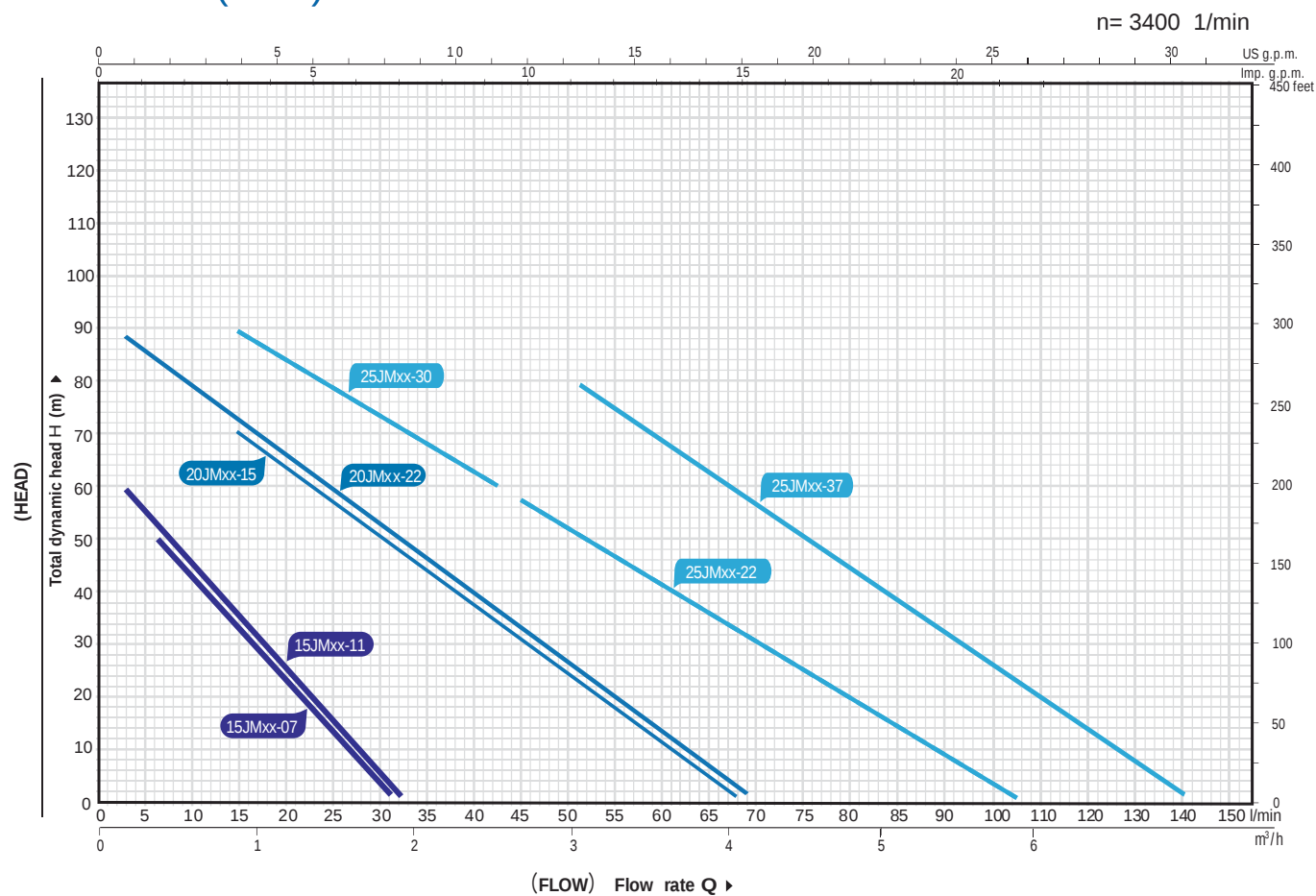
Model	KW	S	D	L	PA	PB	MA	MB	MC	MD	ME	SH	DH	SL	DL	H	K	Weight
25JMxx-22CB	2.2	Rc1	Rc1	470.7	294.7	31	145	125	162	140	168	160	180	71	31	209.5	10	26
25JMxx-30CB	3.0	Rc1	Rc1	501	300	31	170	140	178	160	199	170	190	71	31	240	12	34
25JMxx-37CB	3.7	Rc1	Rc1	510	300	40	170	140	186	190	219	182	202	71	31	252	12	35

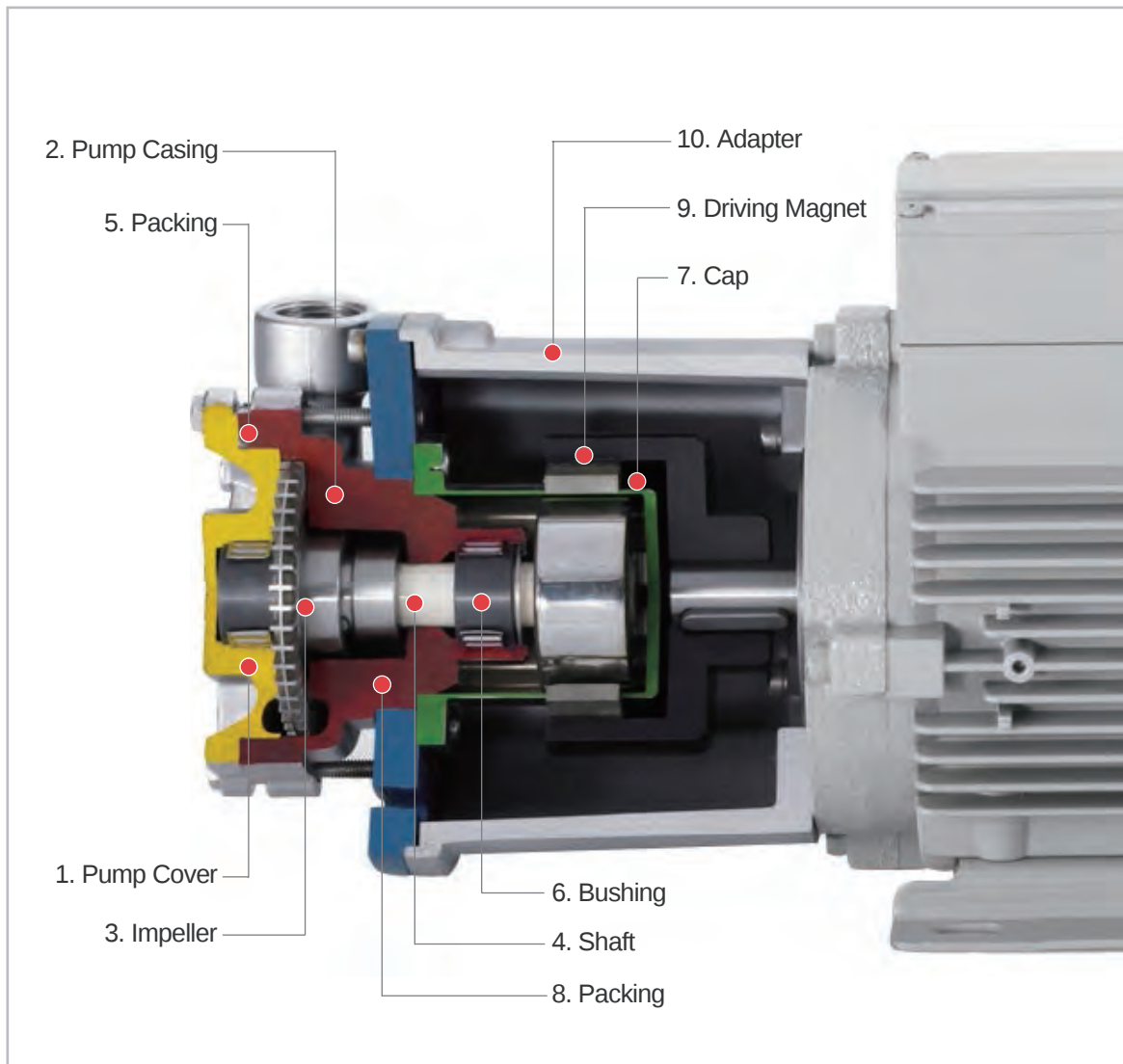
※ All above dimensions can be changed for quality assurance without prior notice

JMP Series (50Hz)



JMP Series (60Hz)





Materials

Part Name		JMPF	JMPS	JMTF	JMTS	JMRF	JMRS
Liquid End	1. Pump Cover	SS 304	SS 316	SS 304	SS 316	SS 304	SS 316
	2. Pump Casing	SS 304	SS 316	SS 304	SS 316	SS 304	SS 316
	3. Impeller	SS 304	SS 316	SS 304	SS 316	SS 304	SS 316
	4. Shaft	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
	5. Packing	Viton	Viton	Carbon Graphite	Carbon Graphite	PTFE	PTFE
	6. Bushing	SiC	SiC	SiC	SiC	SiC	SiC
	7. Cap	SS 304	SS 316	SS 304	SS 316	SS 304	SS 316
	8. Packing	Viton	Viton	Carbon Graphite	Carbon Graphite	PTFE	PTFE
ETC	9. Driving Magnet	SC41	SC41	SC41	SC41	SC41	SC41
	10. Adapter	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum

20 JMTF-15(CB)

1 2 3 4 5 6 7

1. Suction & Discharge Port Size

15 : PT 1/2", 20 : PT 3/4", 25 : PT 1"

2. Series Symbol

JM : Magnet Pump

3. Packing

P : Viton, T : Carbon Graphite, R : PTFE, etc.

4. Materials

F : SS 304 , S : SS 316

5. Motor capacity (220/380V AC)(2 Pole, IP54)

0.7 : 0.75 kw / 11 : 1.1 kw / 15 : 1.5 kw / 22 : 2.2 kw, etc.

6. 7. Motor options

C : Standard Motor, S : Special Order

B : High Efficiency, D : EExdIIT4, E : EExIIT3, etc.

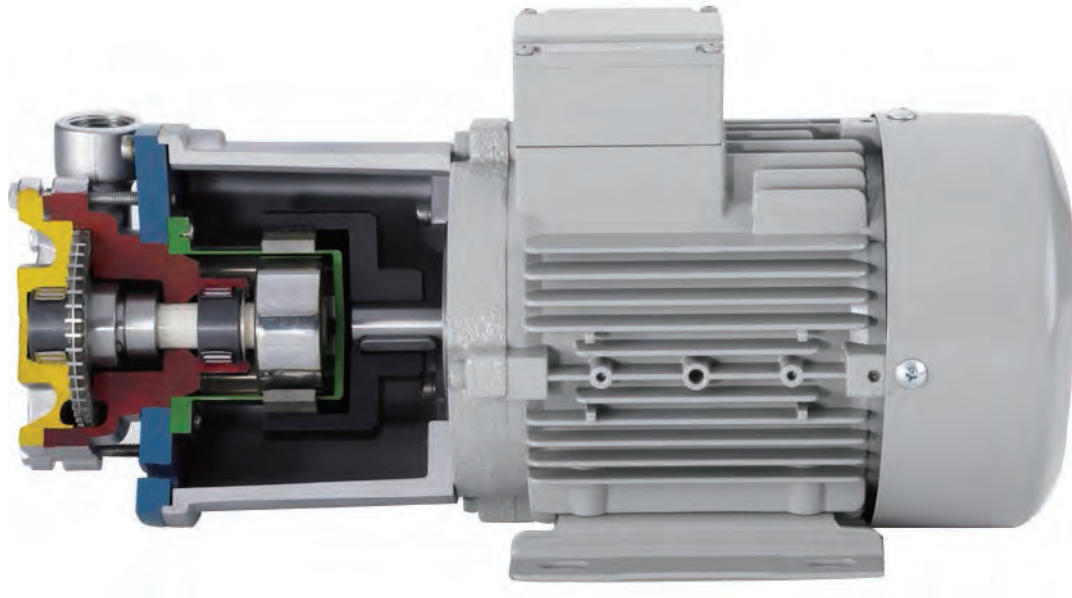
※ Other types of motors are available as options.

Liquid End Materials

Model	Casing	Impeller	Shaft	O-ring/Gasket	Bearing
JMPS JMPF	SS 316 SS 304	SS 316 SS 304	Ceramic Ceramic	Viton / Viton Viton / Viton	SiC SiC
JMTS JMTF	SS 316 SS 304	SS 316 SS 304	Ceramic Ceramic	Carbon Graphite Carbon Graphite	SiC SiC
JMRS JMRF	SS 316 SS 304	SS 316 SS 304	Ceramic Ceramic	PTFE PTFE	SiC SiC

Note

1. Performance curves in this catalogue are the test results with water(20°C)
2. Standard motor specification is 220/380V, 3Ph, 2Pole, high efficiency(IE3)and IP54.
3. Pump should not run as discharge port is blocked or closed continuously.
4. Minimum flow rate should be higher than 1LPM.
5. Dry running is not acceptable.



Advantages

- No shaft seal, no leakage by magnet coupling
- Small footprint, high discharge pressure, regenerative turbine pump
- High system pressure up to 50 bar
- Sm-Co Magnet, fluid temperature between -80°C ~ 350°C
- For expensive fluid, dangerous liquid
- Customized manufacturing for customer application as options

Applications

- Corrosive fluid
- Toxic, harmful, pyrophoric, carcinogenesis fluid
- Hydro-carbon, explosive fluid
- Thermal oil, refrigerant (R22, R134, Galden, Fluorinert), cryogenic fluid
- Radioactive fluid
- Organic solvent, detergent
- Ammonia
- Chemical, fine chemical, petrochemical, semiconductor, food, refinery



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INNOBIZ

