Applicable range by handling liquid

1-1. Above ground pump, Fresh water submersible pump

Table 1

	Water						Oil	
	Fresh water			Reclaimed water	Waste water	Industrial water	Fuel	Lubricant
	Drinking water	Circulating water	Brine liquid					
Definision	City water, etc	Filtration liquid for air conditioning	Aqueous solution containing an antifreeze	Rain water, Treated water	water to be discharged into public sewage.	River water, etc.	kerosene heavy oil	Industrial lubricants, etc.
Material Painting	SUS CAC	FC + Standard Painting	FC + Standard Painting	FC + Standard Painting	FC + Standard Painting	FC + Standard Painting	FC + Standard Painting	FC + Standard Painting

Note)
Check if there are any restrictions (regulations) on materials.
Please contact us for chemicals.
For brine solution, inform the specific gravity and viscosity (or liquid name, operating condensation, and temperature).

Table 2

Model	Available temperature range									Remarks
	-15°C	0°C	40°C	60°C	80°C	90°C	100°C	120°C	140°C	
SJMS		0 - 80°C								
SJS		0 - 80°C				High temperature specification				
SJ4S		0 - 80°C				High temperature specification				
NX		0 - 60°C			High temperature specification					Material change
SVM	-15 - 120°C									
MKHS		0 - 80°C								
SM		0 - 80°C								
SJM2/SJM3		0 - 80°C								
SJ		0 - 80°C								
SJ4		0 - 80°C								
SKJ		0 - 80°C								
S		0 - 80°C								
LS2/LS		0 - 90°C					High temperature specification			External water feeding
LM		0 - 90°C								
M		0 - 80°C								
LP(150W or less)		0 - 90°C								
LP(0.25kW or more)		0 - 80°C								
MTP		0 - 40°C								
SP3/SP		0 - 40°C								
MSP		0 - 40°C								
ESPM(0.1kW)		0 - 50°C								
ESPM(0.2kW or more)		0 - 40°C								
GPLII/GPMII		0 - 80°C								
GV		0 - 60°C								
OKH/OKHM		0 - 90°C								

Standard specification range Special specification range

1-2. Submersible drainage pump

Drainage pump are divided into these 3 types (sump pump, waste water pump, and sewage pump), but the definition of the word "type of drainage" is different from the following laws and regulations.:

Laws and regulations such as the Building Standards Law and the Sewerage Law

The Society of Heating, Air-Conditioning and Sanitary Engineers of Japan (SHASE)

Standard specifications for public construction work (Specifications of the former Ministry of Land, Infrastructure, Transport and Tourism)

The guideline for selecting pumps are as follows.

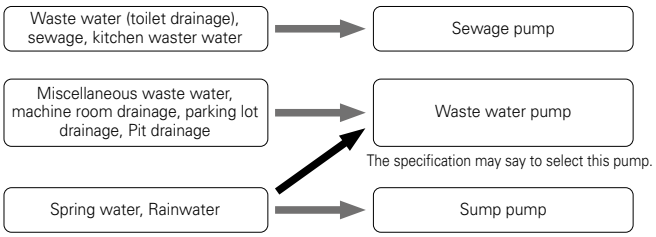

Table 3

Building Standard Law, etc	HASS206	Japanese Archtectural Standard specifications for Public building construction work	Details
Waste water	Waste water	Waste water	Sanitary drainage from the toilet
	Miscellaneous waste water	Miscellaneous waste water	Kitchen waste water, sink waste water, spring water, etc.
	Special waste water	Special waste water	Hazardous and dangerous waste water
Rainwater	Rainwater	Rainwater	Rainwater

Miscellaneous waster water is divided into several types.

Table 4

Miscellaneous waste water	Kitchen waste water	Miscellaneous waste water (kitchen)	Waste water from the kitchen
	Other domestic waste water	Miscellaneous waste water (other than kitchen)	Waste water from washrooms, hand washing, bathing, laundry, boiling sinks, and cleaning sinks
	Machine room wastewater		Drain and overflowed water generated by the equipment
	Parking lot drainage		Waste water from the cleaning of parking lots and inflow of rainwater
	Spring water	Spring water	Spring water, etc., in double window

Table 5

Model	Liquid type	Temperature range		
		0°C	40°C	60°C
PL	Waste water	0 - 40°C		
PV,PV2,PVP	Waste water, Sewage, Miscellaneous waste water	0 - 40°C		
TPV	Sea water	0 - 32°C		
SSU	Waste water	0 - 40°C		
BO	Waste water, Sewage, Miscellaneous waste water	0 - 40°C		
KO	Waste water, Sewage, Miscellaneous waste water	0 - 40°C		
SVC	Waste water, Sewage, Miscellaneous and Industrial waste water	0 - 40°C		
SCU	Waste water, Sewage, Miscellaneous waste water	0 - 40°C		
FO	Waste water, Sewage, Miscellaneous waste water	0 - 32°C		
KSC2	Waste water	0 - 40°C		
LD2	Rainwater, Spring water, Sediment water, construction drainage	0 - 40°C		
LG2	Cleaning water, Low residual water, general residual water	0 - 40°C		
SLA3	Waste water, Sewage, Miscellaneous waste water	0 - 40°C		
SSUS	Sewage and various liquids (No sea water)	0 - 40°C		
BOS	Waste water, Sewage, Miscellaneous waste water	0 - 40°C		
RPU	Waste water, Sewage, Miscellaneous waste water	0 - 40°C		

Standard specification range

Temperatures out of above range are not available.