





EIM ELECTRIC CO.,LTD.

Energy

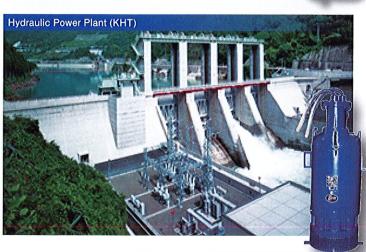
Coal Power Plant (SU & CSP)







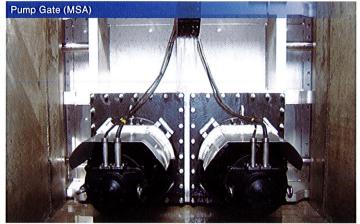




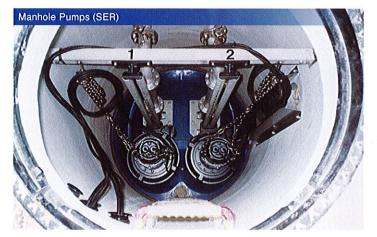
				Power Pla	int		Gas	Page
		Coal	LNG	Oil	Hydraulic	Geothermal	Gas	
Rainwater	SE						•	08
Wastewater	SU						•	08
Sewage Transfer	CSP		2:					16
Seawater (Corrosion-Resistant Stainless Steel Type)	CSE	•						11
	CSU							11
Explosionproof Type	EL-Y		0				•	16
Explosionproof Type	CS-Y							16
Boiler Wastewater (Hot Water Type)		•	•	0				14
Cupar High Haad	KHT					•		14
Super-High Head	KH				•			14

Sewage Treatment Plant, Agricultural, Flood Control, Irrigation

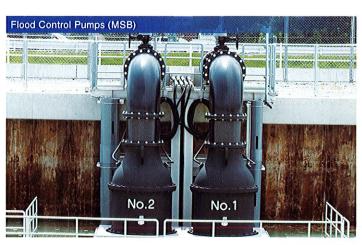






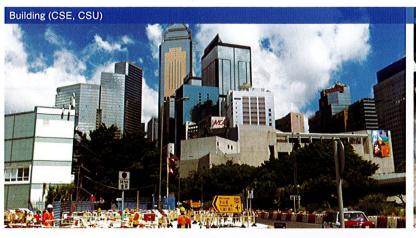






			Se	ewage Tre	atment Pla	ınt	Agricultural	Flood	Irrigation	Dogo
			Sewage	Sludge	Rainwater	Manhole	Agricultural	Control	Irrigation	Page
Sewage and Wastewater		SE								80
		SU		•	•		•	•	•	08
	Solid Sewage	SUR/SER								09
		SEC								09
		SL				•				08
	SH								08	
Axial Flow Type	MSA					•		•	12	
Large Capacity Type	Large Capacity Type Mixed Flow Type	MSB					•	•	•	12

Industrial Water, Commercial Wastewater, Refuse Disposal Facility





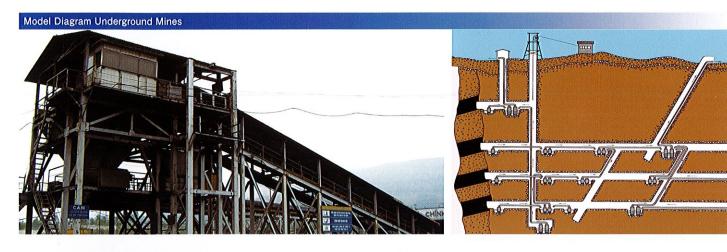


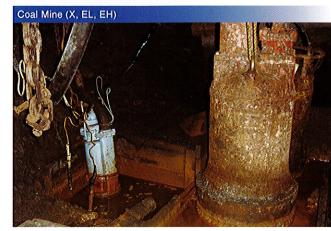




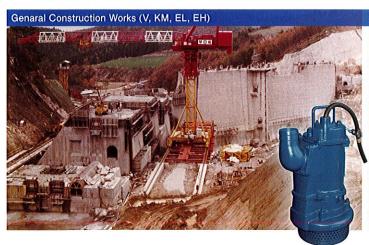
		Industrial Water			Commercial	Refuse disposal	Dogo
		Intake	Supply	Drainage	Commercial	Facility	Page
General Drainage V, KM EL, EH	V, KM						13
	•	•	•			13	
Sewage and Wastewater	SE				•		08
	SU			•	•		. 08
	SL			•	•		08
	SH			•	•		08
Corrosion-resistant Stainless Steel Type	CSE					•	11
	CSU					•	11

Mining / Genaral Construction Works





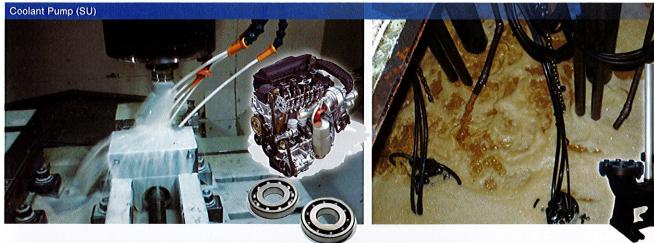


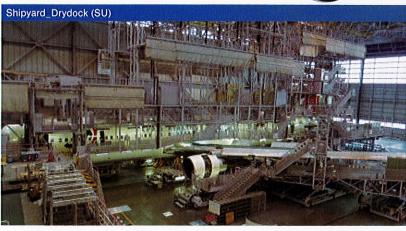


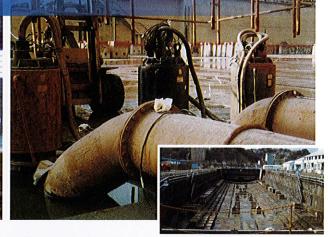


		Coal Mine	Mineral	Shale Gas	Construction	Page
Canaval Drainage	V, KM	•	•		•	13
General Drainage	EL, EH	•	•		•	13
Explosionproof Type	EL-X	•		•		16
Sand and Slurry	SPL	•		•		15
	SV, HS	•				15
Super-High head	КНТ	•				14
Super-riigh nead	кн	•	•			14

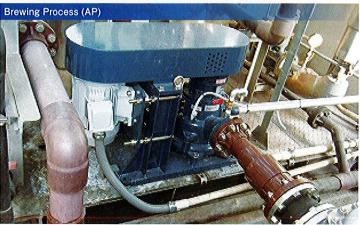
Industrial





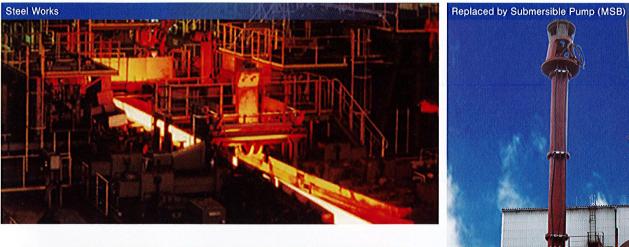




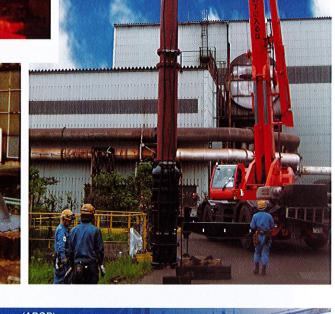


		Automobile Bearing	Pulp	Food	Shipyard	Petrochemistry	Pharmaceutical	Page
General Drainage	V, KM			•			•	13
	EL, EH	•	•	•		•	•	13
Coolant Pump	SU	•	21					08
Sewage and Wastewater	SE	•		•			•	08
	SU	•	•	•	•	•		08
Slurry	AP			•			•	17
Explosionproof Type	EL-Y						•	16
	CS-Y						•	16

Steel











		Scale Pit	Cooling Water Circulation	Rainwater	Drainage	Sludge Withdrawal	Settling Basin	Page
Occupand Designation	V, KM							13
General Drainage	EL, EH	•	•	•	•			13
Sewage and Wastewater	SE							08
	SU			•	•			08
Sand and Slurry	CSP		•				•	15
Slurry (surface pump)	AP					•		17

Submersible Motor

EM, MS

Submersible Motor

Powerful submersible motor for simplification and rationalization of various drive-system

EM: with Mechanical Seal MS: without Mechanical Seal

[Application]

Driving of submersible pumps, aerators, mixers

Output	1.5 to 450 kW
Voltage	200 to 600V
Motor Housing	FC250
Shaft	SUS403



CEM, CMS

Stainless Steel Submersible Motor

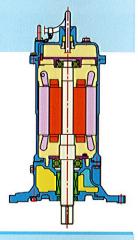
Powerful submersible motor for simplification and rationalization of various drive-system

CEM: with Mechanical Seal CMS: without Mechanical Seal

[Application]

Driving of submersible pumps, aerators, mixers

Output	1.5 to 450 kW
Voltage	200 to 600V
Motor Housing	SCS14
Shaft	SUS316



EMQY

Explosionproof Submersible Motor

Investigated, tested and approved by FM. Rated Class I, Division 1, groups C & D hazardous locations

[Application]

Driving of submersible pumps, aerators, mixers in wet well where flammable gases exit.

Non FM type are also available on request

1.5 to 90 kW
200 to 600V
FC250
SUS420J2





EMJY

Explosionproof Submersible Motor (Jacketed, CLC-Motors)

Heat exchanger is provided into the bottom of motor, and this has superior performance in the cooling effect

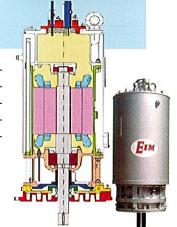
[Application]

Driving of submersible pumps, aerators, mixers in wet well where flammable gases exit.

Non FM type are also available on request

Output	7.5 to 90 kW
Voltage	200 to 600V
Motor Housing	FC250
Shaft	SUS420J2





Submersible Pump for Sewage and Wastewater

SE

Wastewater Effluent, High Head Type (2 Pole)

Non-clogging Impeller provides wider space which can cope with solid handling without a choking problem.

[Application]

Sewage, sump drainage, dewatering wastewater removal and transfer flood control emergency

Nominal Dia.	50 to 100mm
Output	0.25 to 11kW
Total Head	5 to 40m
Discharge	0.15 to 1.8m ³ /m
Voltage	200 to 600V
Casing	FC250
Impeller	FC250
Shaft	SUS403



SU

Sewage and Wastewater Type (4 Pole ∼)

Non-clogging Impeller provides wider space which can cope with solid handling without a choking problem.

[Application]

Sewage, sump drainage, dewatering wastewater removal and transfer flood control emergency

50 to 700mm
0.75 to 370 kW
5 to 38m
0.21 to 60m ³ /mir
200 to 600V
FC250
FC250
SUS403



SL

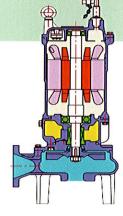
Solid Handling, Vortex Impeller Type (2 Pole)

Large solids and string matters can be pumped up smoothly due to its vortex shaped impeller.

[Application]

Sewage lift stations, treated sewage system, wastewater transfer, dewatering, general industrial service

50 to 80mm
0.75 to 7.5kW
12 to 30m
0.1 to 0.3m ³ /min
200 to 600V
FC250
FC250
SUS403



SH

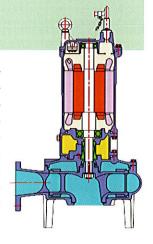
Heavy Duty Solid Handling Type (4 Pole)

Large solids and string matters can be pumped up smoothly due to its specially non-clogging impeller. Max Solid Passage 75 mm

[Application]

Sewage lift stations, treated sewage system, wastewater transfer, dewatering, general industrial service

Nominal Dia.	80 to 150mm
Output	2.2 to 15kW
Total Head	7 to 34m
Discharge	1.0 to 3.0m ³ /min
Voltage	200 to 600V
Casing	FC250
Impeller	FC250
Shaft	SUS403



Submersible Pump for Solid Sewage

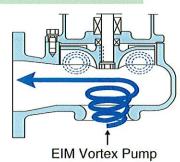
SUV

Vortex Type (2 Pole)

Specially designed to achieve maximum solid handling capability. 100% equivalent to the suction port diameter

Manhole pumps, septic tanks, sludge, sewage treatment plants, factory pit draining.

Nominal Dia.	50 to 80mm
Output	0.5 to 3.7 kW
Total Head	6 to 20 m
Discharge	0.06 to 0.2 m ³ /mi
Voltage	200 to 600V
Casing	FC250
Impeller	FC250
Shaft	SUS403



SUR, SER

Vortex Type (4 Pole)

Large solids and string matters can be pumped up smoothly due to its specially shaped impeller.

[Application]

Manhole pumps, sumps, kitchen drains,

draining from underground walkways and basements

Nominal Dia.	50 to 100 mm
Output	0.4 to 11 kW
Total Head	2 to 15 m
Discharge	0.12 to 1.5 m ³ /min
Voltage	200 to 600V
Casing	FC250
Impeller	FC250
Shaft	SUS403



SEC

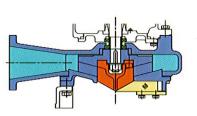
Cutter Type

Impeller with cutter in the suction part end with wide passage allows the large solid handling capacity.

[Application]

Drainage for solid sewage of wastewater tank, purification tank, kitchen in buildings, schools, hospitals, and factories

Nominal Dia.	50 to 80 mm
Output	0.75 to 7.5 kW
Total Head	4 to 35 m
Discharge	0.4 to 1.1 m ³ /min
Voltage	200 to 600V
Casing	FC250
Impeller	FC250
Shaft	SUS403



SUN

Spiral Vane Impeller Type

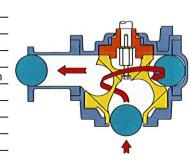
Special high efficiency

100% equivalent to the suction port diameter 20% higher efficiency than vortex type

[Application]

Sewage pumping pits and stations, Sewage treatment plants, septic tanks Storm flooding and emergency

Nominal Dia.	65 to 100 mm
Output	0.75 to 7.5 kW
Total Head	4.7 to 18.6 m
Discharge	0.5 to 1.0 m ³ /mir
Voltage	200 to 600V
Casing	FC250
Impeller	FC250
Shaft	SUS403



Submersible Pump for Continuous Dry Operation

SUK

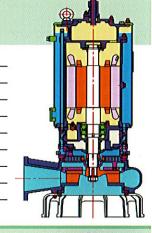
Water Recirculation Closed Loop Cooling System

The cooling system prevents overheating from continuous operation in dry running conditions

[Application]

Sewage, wastewater and storm water. Sludge in sewage treatment plants, industrial was t ewater, building wastewater

Nominal Dia.	80 to 700 mm
Output	5.5 to 315 kW
Total Head	6 to 30 m
Discharge	0.6 to 60 m ³ /mi
Voltage	200 to 600 V
Casing	FC250
Impeller	FC250
Shaft	SUS403



SUA

Oversized Frames for Conventional Motors

The cooling system prevents overheating from continuous operation in dry running conditions

[Application]

Sewage, wastewater and storm water. Sludge in sewage treatment plants, industrial was t ewater, building wastewater

Nominal Dia.	80 to 350 mm
Output	1.5 to 37 kW
Total Head	6 to 26 m
Discharge	0.5 to 14 m ³ /min
Voltage	200 to 600 V
Casing	FC250
Impeller	FC250
Shaft	SUS403



SUJ

Bypass Cooling System

Utilizes the pumped fluid as cooling mediam forcing it to circulate through the by-pass.

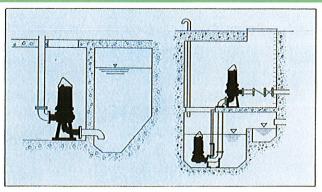
[Application]

Sewage, wastewater and storm water. Sludge in sewage treatment plants, industrial was t ewater, building wastewater

Nominal Dia.	80 to 300 mm
Output	1.5 to 45 kW
Total Head	5 to 30 m
Discharge	0.55 to 10 m ³ /mi
Voltage	200 to 600 V
Casing	FC250
Impeller	FC250
Shaft	SUS403

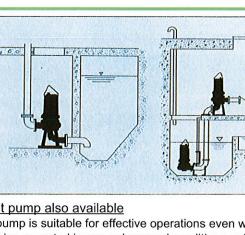






Dry pit pump also available

This pump is suitable for effective operations even when the motors are being operated in non-submerged conditions or in dry conditions.



Submersible Pump for Corrosion-resistant Stainless Steel Type

CSE

Water Effluent for Corrisive Water (2Pole)

All surfaces which directly come in contact with liquid are stainless steel casting which protects from corrosion due to acidic or alkaline conditions.

[Application] Sewage, sump drainage, dewatering wastewater removal and transfer flood control emergency

Nominal Dia.	50 to 100mm
Output	0.25 to 11kW
Total Head	5 to 40m
Discharge	0.15 to 1.8m ³ /mii
Voltage	200 to 600 V
Casing	SCS14
Impeller	SCS14
Shaft	SUS316



CSU

Sewage and Wastewater for Corrosive water (4 Pole∼)

All surfaces which directly come in contact with liquid are stainless steel casting which protects from corrosion due to acidic or alkaline conditions.

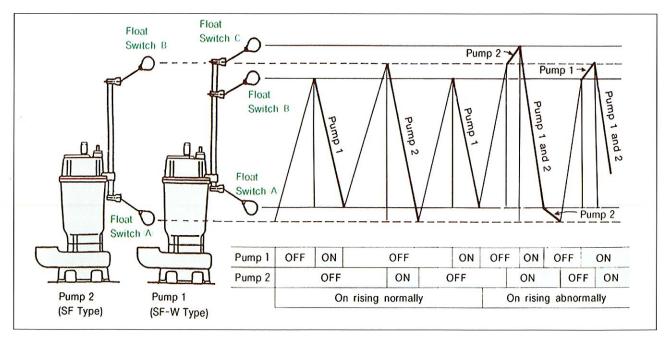
[Application] Sewage, sump drainage, dewatering wastewater removal and transfer flood control emergency

Nominal Dia.	50 to 600mm
Output	0.75 to 275kW
Total Head	4 to 38m
Discharge	0.21 to 60m ³ /min
Voltage	200 to 600 V
Casing	SCS14
Impeller	SCS14
Shaft	SUS316



Automatic Operation Type

W (SE, CSE type: W2, W4)



Submersible Pump for Large Capacity Type

MSA

Axial Flow Pump



[Application] Storm water & flood control, agricultural, irrigation fire protection, industrial water and drainage process

Nominal Dia.	400 to 1200mm
Output	11 to 230kW
Total Head	1.5 to 6m
Discharge	15 to 240m3/mii
Voltage	200 to 1100 V
Casing	FC250
Impeller	SCS13



MSB

Mixed Flow Pump



[Application] River water intake and lifting/draining of water canals. Water level regulation of reservoirs, seawater intake, fish farming

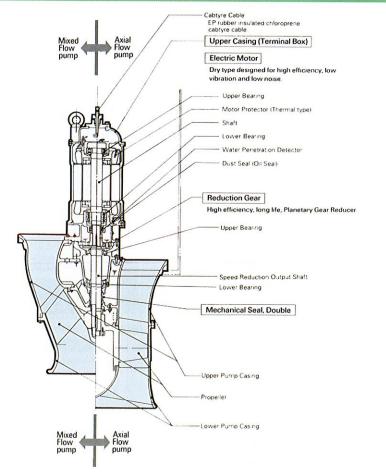
Nominal Dia.	400 to 1200mm
Output	11 to 230kW
Total Head	2 to 15m
Discharge	15 to 220m3/min
Voltage	200 to 1100 V
Casing	FC250
Impeller	SCS13











eneral Purpose Submersible Pump for General Drainage

V, KM

Semi-Vortex Solid Handling Type

Solves drainage problems dealing with draining at construction work sites

[Application] Irrigation and fire protection, bilge, fire fighting, and wash down

Nominal Dia.	50 to 100mm
Output	0.4 to 3.7kW
Total Head	8 to 15m
Discharge	0.12 to 0.9m ³ /min
Voltage	200 to 600V
Casing	V : FCD450
	KM : FC250
Impeller	V : FCD450
	KM : Hi-Chrome
Shaft	S35C



EL

General Type (Low head)

Designed for rugged handling, economical operation and long life

Waste water removal, sump, pit manhole, basement, emergency water removal and industrial processing

Nominal Dia.	80 to 250 mm
Output	2.2 to 37 kW
Total Head	15 to 20 m
Discharge	0.5 to 6.5 m ³ /min
Voltage	200 to 1100V
Casing	FC250
Impeller	Hi-Chrome
Shaft	S35C



EH

General Type (High head)

High head, large capacity pumping with low power construction

Sump, pit, plumbing, manhole, elevator pit emergency, storm water removal

Nominal Dia.	100 to 200 mm
Output	7.5 to 110 kW
Total Head	25 to 30 m
Discharge	0.8 to 4.5 m ³ /min
Voltage	200 to 1100V
Casing	FC250
Impeller	Hi-Chrome
Shaft	S35C









General Purpose Submersible Pump for Super-High Head

KHT

2 Pole

Especially for high head of over 60m 2pole motor, single stage miniaturization and light weighting

Drainage for mining, contractor, factories, industries. Water supply, open pit dewatering

80 to 150mm
22 to 110kW
60 to 160m
0.6 to 2.0m ³ /min
200 to 1100V
FCD450
Hi-Chrome
S35C



KH

4 Pole

Especially for high head of up to 250m

Drainage for mining, contractor, factories, industries. Water supply, open pit dewatering

Nominal Dia.	150 to 200mm
Output	37 to 190kW
Total Head	60 to 200m
Discharge	1.5 to 3.3m ³ /min
Voltage	200 to 1100V
Casing	FCD450
Impeller	Hi-Chrome
Shaft	S35C



F · V · VV

Hot Water Type

Heat-resisteant main parts; delivers hot water safely

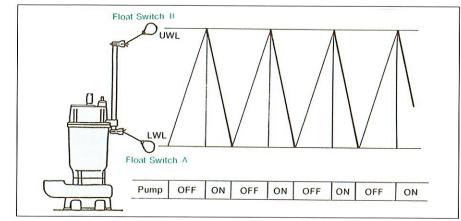
F: 40 to 65 degC V: 65 to 80 degC

VV: 80 to 100 degC (Forced Cooing)

Nominal Dia.	50 to 250 mm
Output	0.75 to 45kW
Total Head	10 to 35m
Discharge	0.18 to 4.8m ³ /min
Voltage	200 to 600V



Auto-Alternating Operation Type W (SF)





Special Purpose Submersible Pump for Explosionproof Type

General Industries Type

Safe operation guaranteed in combustible gas and ignitable vapor atmosphere

[Application]

Drainage water from oil industrial complexes, gas refineries, and thermal power plant

Nominal Dia.	50 to 150mm
Output	1.5 to 22 kW
Total Head	15 to 30m
Discharge	0.2 to 2.0 m ³ /mir
Voltage	200 to 600V
Casing	FC250
Impeller	Hi-Chrome
Shaft	SUS403



Coal & Shale Mine Type

Safe operation guaranteed in methane and coal dust atmosphere

[Application]

Pits where combustible gas containing methane as main component or explosive coal dust

Nominal Dia.	50 to 200mm
Output	1.5 to 150 kW
Total Head	12 to 120m
Discharge	0.2 to 5.0 m ³ /min
Voltage	200 to 1100V
Casing	FC250
Impeller	Hi-Chrome
Shaft	SUS403



CS-Y

Corrosion Resistant Stainless Steel Type

For explosion proof corrosion resistant use

[Application]

Drainage water from work sites where corrosive liquids

Draining underground reservoirs or deep tanks.

Nominal Dia.	50 to 100mm
Output	0.75 to 37 kW
Total Head	10 to 80m
Discharge	0.055 to 1.0 m ³ /mir
Voltage	200 to 600V
Casing	SCS14
Impeller	SCS14
Shaft	SUS316



CWP-Y

Corrosion Resistant Deep Well Type

Highly efficient draining for corrosive deep well liquids

[Application]

Draining water from plants where explosive liquids are handled

Nominal Dia.	32 to 100mm
Output	1.5 to 37 kW
Total Head	42 to 80m
Discharge	0.055 to 1.0 m ³ /mir
Voltage	200 to 600V
Casing	SCS14
Impeller	SCS14
Shaft	SUS316



Explosionproof Approved Countries U.S.A. (M.S.H.A.) Canada (E.M.R.) South Africa (S.A.B.S.) Australia (Simtars)







Submersible Pump for Sand and Sludge

SPL

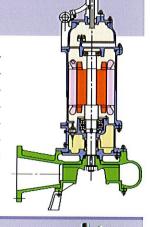
Slurry Type

High chrome wet end design provides with long life in slurry and other abrasive application.

[Application]

Drainage for mining, mineral processing, aggregate, iron and steel production, power generation.

Nominal Dia.	80 to 200mm
Output	1.5 to 110kW
Total Head	6 to 60m
Discharge	0.55 to 6m ³ /mi
Voltage	200 to 600V
Casing	Hi-Chrome
Impeller	Hi-Chrome
Shaft	SUS403



CSP

Heavy Duty Abrasive Type

A mighty pump for rigid solids like iron scale, gravel, various types of slurry and sludge

[Application]

Gravel collecting, mud dredging, coal, material mines, sludge treatment, slurry drainage

Nominal Dia.	50 to 500mm
Output	2.2 to 450kW
Total Head	8 to 40m
Discharge	0.25 to 60m ³ /min
Voltage	200 to 1100V
Casing	FC250
Impeller	Hi-Chrome
Shaft	S45C



SV

Horizontal type (Vortex)

Optimum use for sump pump which provides wider passage space for large solid handling

[Application]

Disposal of wastewater containing scales or sludge. Pumping up and transfer of slurry and sludge from earthworks and construction work.

Nominal Dia.	100mm
Output	5.5 to 22kW
Total Head	10 to 20m
Discharge	0.9 to 2.0m ³ /min
Voltage	200 to 1100V
Casing	FCD450
Impeller	FCD450
Shaft	SUS403



HS

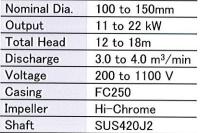
Horizontal type (Non Clogging)

Heavy duty purpose for slurry, sludge and sand. Available for operation in very low water level.

[Application]

eart High

harge of mud and sludge from foundation boring,	
hworks, tunneling, shield work.	
coefficent of viscosity	





Water Treatment & Aeration

AP

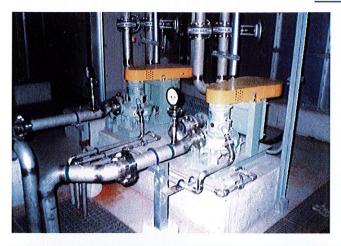
For Slurry and Semi-Solid Concentrated Liquid Non Submersibel Pump

[Application]

Used for broad applications such as chemical, petroleum, steel, metal, cement, paper making, power plant, mining and food as well as waterworks

Nominal Dia.	25 to 125 mm
Output	3.7 to 55 kW
Total Head	1.0 to 100 m
Discharge	0.02 to 3.5 m ³ /m
Voltage	200 to 600 V
Casing Impeller	FC, Hi-Chrome,
	SCS14,
	Rubber Lining
Shaft	S35C







AK Jet Flow

High solution rate of oxygen in comparison with other aeration method

[Application]

Sewage treatment plant, sludge trearment, septic tank factory wastewater treatment, food processing, fish farming

Air Suction Dia.	25 to 50 mm
Output	0.4 to 7.5 kW
Airflow rate	5.6 to 106 Nm ³ /h
Voltage	200 to 600V
Casing	FC250
Impeller	FC250
Shaft	SUS403



WM

Submersible Mixer

Gives superior stir-effect with strong jet flow; mounting height and direction of jet flow can be freely adjusted

[Application]

Sewage treatment plant, sludge trearment, septic tank factory wastewater treatment, fish farming

Propeller Dia.	220 to 500mm
Output	2.2 to 7.5 kW
Mixing Flo	9 to 41 m ³ /min
Voltage	200 to 600V
Casing	FC250
Impeller	FC250
Shaft	SUS403













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10-2-16, Inokuma, Mizumakimachi, Onga-gun, Fukuoka 807-0001 Japan
Phone: +81-93-202-4147 FAX: +81-93-202-1288
E-mail Address: overseas@eimpump.co.jp