



SF/SA 50Hz SERIES

SUBMERSIBLE STAINLESS
STEEL PUMPS

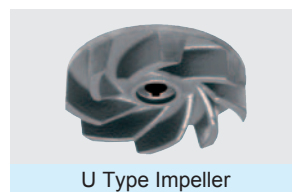


SF Stainless Steel Sewage / Wastewater Submersible Pump

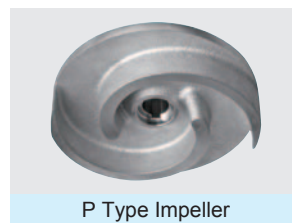
SA Stainless Steel Wastewater / Effluent Submersible Pump

FEATURES

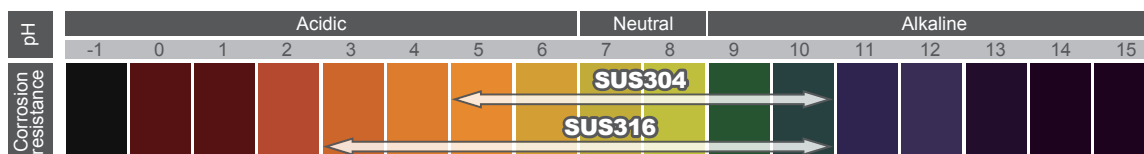
- Best structure design, has a dry motor, IP68, double mechanical seals, equipped with an auto-cut protector, pump casting, outer cover is stainless steel, and acid-resistant silicon carbide seals.
- The Stainless series is suitable for all light acid, corrosive and/or sea water application fluid in pH value between 4~10pH. For Strong Acidity and Alkalinity applications, please use the specified chemical pump.
- Investment Casting
Precision casting with the use of an advanced stainless investment casting method, that produces the highest quality with a smooth surface finish.
- Viton O-ring
Viton O-rings are used throughout the pump to give better pump life in corrosive acid and aggressive media.
- Austenitic Stainless Steel(SUS300 series)is used in SF/SA series. SUS316/SCS14 is better than SUS304/SCS13 in water application of light acid-base.



U Type Impeller



P Type Impeller



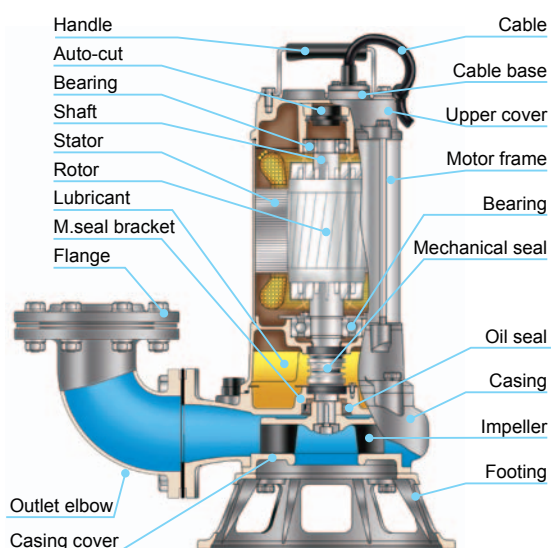
Above chart is for reference only.

APPLICATIONS

- Suitable for wastewater treatment in food and wine-making industry.
- Suitable for wastewater treatment for petroleum industry, dyeing industry and mining dewatering contain acidic fluid.
- This series is suitable for all, light acid, corrosive and / or sea water applications.

PRODUCT NOMENCLATURE

80	SF	P	2	3.7
Discharge mm	Type	Impeller type	Pole	kW
50	SA	2	8	A
Discharge mm	Type	Pole	kW	Style



ACCESSORIES :

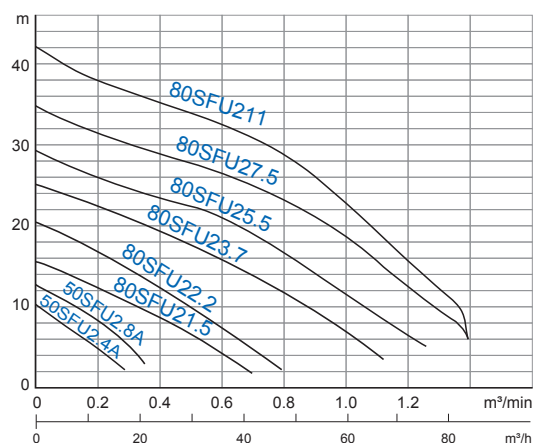
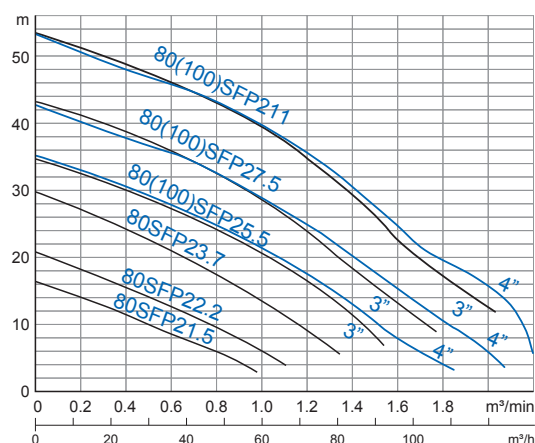
ELBOW / GRS - GUIDE RAIL SYSTEMS

- Pump can be installed with 90° Elbow with Flange outlet or GRS quick coupling system, for quick and safer for installation, removal, replacement and maintenance purpose.





PERFORMANCE CURVES



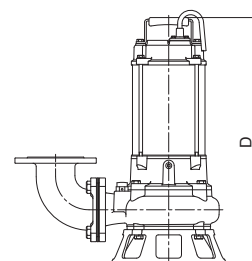
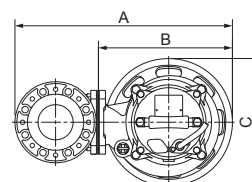
SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C (32~104°F)
	Applications	Corrosive·Food· Processing Liquids
Type	Frequency	50Hz
	Motor	2P(3600rpm)·Dry Motor
	Insulation	Class B (0.5~3HP)·Class F (5~15HP)
	Protection	IP68
	Protector	Auto-cut (1HP 1Ø / 0.5~10HP 3Ø) Thermal (0.5HP 1Ø / 15HP 3Ø)
	Bearing	Ball type
	M.seal	Double M.seals
	Impeller	Semi-open
Material	Upper Cover	SCS14
	Motor Frame	SUS316
	Shaft	SUS316 (0.5~10HP)·SUS630 (15HP)
	M.seal	CA/CE & SiC/SiC
	O-ring	Viton
	Casing	SCS14
	Impeller	SCS14
	Cable	VCT or H07RN-F or SJOW/SOW
Optional		Pump can be customized to fit specifications

PERFORMANCE SPECS.

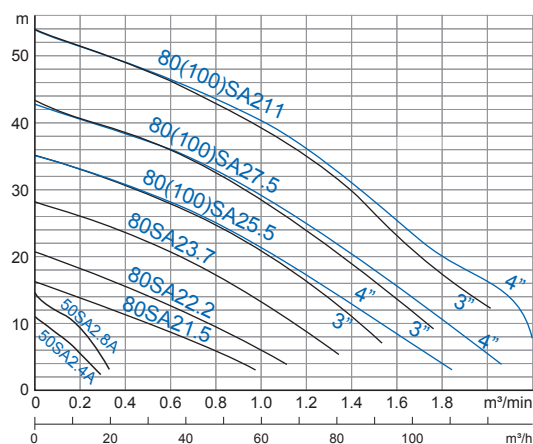
※ Note: Weight Without Cable & Elbow Set
Star Method: S-D= Star-Delta

	Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Head m	Standard		Solid Passage mm	Weight kg		Dimensions mm			
							m³/min	m³/h		1Ø	3Ø	A	B	C	D
U Type	50SFU2.4A	0.5(0.4)	2"(50)	1	Capacitor	6	0.15	9	35	15	14	237	-	153	433
	50SFU2.8A	1(0.75)	2"(50)	3	Direct	8	0.2	12	35	16	15	237	-	153	433
	80SFU21.5	2(1.5)	3"(80)	1	Capacitor	8.5	0.4	24	50	-	26.5	402	260	202	517
	80SFU22.2	3(2.2)	3"(80)	3	Direct	13	0.4	24	50	-	29	402	260	202	517
	80SFU23.7	5(3.7)	3"(80)	3	Direct	17.5	0.5	30	50	-	40	476	286	222	561
	80SFU25.5	7.5(5.5)	3"(80)	3	Direct	21	0.6	36	50	-	61	499	309	258	657
	80SFU27.5	10(7.5)	3"(80)	3	Direct	26	0.6	36	50	-	67	499	309	258	657
	80SFU211	15(11)	3"(80)	3	S-D	33	0.6	36	50	-	76	499	309	258	697
P Type	80SFP21.5	2(1.5)	3"(80)	3	Direct	8.5	0.6	36	35	-	28.5	417	275	260	521
	80SFP22.2	3(2.2)	3"(80)	3	Direct	13	0.6	36	35	-	31.5	417	275	260	521
	80SFP23.7	5(3.7)	3"(80)	3	Direct	20.5	0.6	36	32	-	43	495	305	290	568
	80(100)SFP25.5	7.5(5.5)	3"(80)	3	Direct	28	0.6	36	30	-	67	563	373	345	684
			4"(100)			21.5	1.0	60				591			
	80(100)SFP27.5	10(7.5)	3"(80)	3	Direct	35.5	0.6	36	30	-	73	563	373	345	684
			4"(100)			29	1.0	60				591			
	80(100)SFP211	15(11)	3"(80)	3	S-D	46	0.6	36	30	-	82	563	373	345	724
			4"(100)			39.5	1.0	60				591			





PERFORMANCE CURVES



80(100)SA25.5/27.5/211



80SA21.5/22.2/23.7

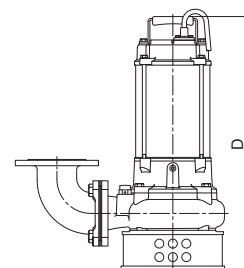
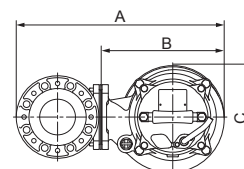


50SA2.4A/2.8A

PERFORMANCE SPECS.

※ Note: Weight Without Cable & Elbow Set
Star Method: S-D= Star-Delta

Model	Output HP(kW)	Discharge Inch(mm)	Phase Ø	Start Method	Head m	Standard		Solid Passage mm	Weight kg		Dimensions mm			
						m³/min	m³/h		1Ø	3Ø	A	B	C	D
50SA2.4A	0.5(0.4)	2"(50)	1 3	Capacitor Direct	7	0.12	7.2	10	14	14	244	-	172	437
50SA2.8A	1(0.75)	2"(50)	1 3	Capacitor Direct	10	0.17	10.2	10	16	15	244	-	172	437
80SA21.5	2(1.5)	3"(80)	3	Direct	8.5	0.6	36	20	-	29.5	390	248	212	520
80SA22.2	3(2.2)	3"(80)	3	Direct	13	0.6	36	20	-	32.5	390	248	212	520
80SA23.7	5(3.7)	3"(80)	3	Direct	20.5	0.6	36	20	-	44.5	465	275	239	568
80(100)SA25.5	7.5(5.5)	3"(80)	3	Direct	28	0.6	36	20	-	67	528	338	286	684
		4"(100)			21.5	1.0	60				556			
80(100)SA27.5	10(7.5)	3"(80)	3	Direct	35.5	0.6	36	20	-	73	528	338	286	684
		4"(100)			29	1.0	60				556			
80(100)SA211	15(11)	3"(80)	3	S-D	46	0.6	36	20	-	82	528	338	286	724
		4"(100)			39.5	1.0	60				556			



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Distributor:

We reserve the right to alter specifications of product at any time without giving prior notice.

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