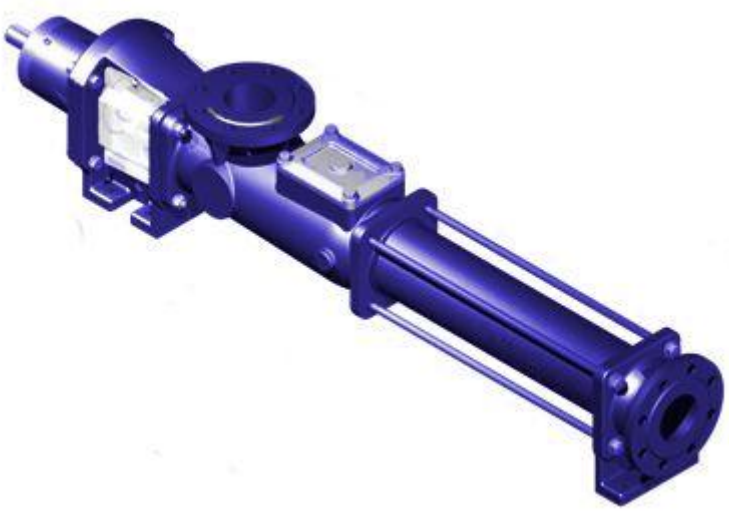
PROGRESSIVE CAVITY PUMP
F series - Model S



- Transmission shaft: pin joint
- Seals: Packing seal
- Motor coupling: CLOSE COUPLED
  - Flange diam. 160 / 200 / 250 / 300 mm related to the pumps sizes
  - Female drive shaft SS 316 / carbon steel with chrome (HCP)
  - Diam. 19 / 24 / 25 / 28 / 30 / 32 / 35 / 40 mm related to the pumps sizes

Technical characteristics

- Flow rates: up to 60 m^3/h
- Max Pressure: up to 8 bar (116 psi)
- Max working temp: 180° C
- Shaft Rotation: ACW
- Motor:
  - 1.5 kW – 2 poles
  - 2.2 kW – 2 poles
  - 3 kW – 2 poles
  - 4 kW – 2 and 4 poles
  - 7.5 kW – 4 poles
  - 11 kW – 4 poles
- Body pump:
  - G25
  - SS 304
  - SS 316
- Stator material: NBR
- Rotor material:
  - SS 304
  - SS 420 B
  - SS 316

Seko Progressive Cavity Pumps “F Series” are designed for heavy duty service, the most common use for this kind of pump are waste water treatment and industry. “F Series” pumps model S are equipped with bearing housing, which absorbs the axial stress for a long life of rotor and electric motor shaft, moreover they are completely reversible and thanks also to their own wide range of flow rate and configurations available, our pumps find several applications for:

- Conveying : raw, primary, secondary sludge
- Thickened sludges
- Sludges in in filter press

Other industrial applications:

- Petrochemistry
- Chemical industry as caustic soda, resins, colorants, acid solutions.
- Sugar refinery with their products basis of beet, cane sugar
- Agriculture
- Breeding as animal feed, pasty slurry, biological waste water
- Building as colorings, cement, mortar, bentonite
- Paper industry as starch, glue
- Ship building industry as waste oil, oily bilge water
- Fish industry as fish flours, entrails and other cutted fish parts
- Mining industry
- Drilling
- Refinery
- Ceramic industry as clayey sludges, lime, glaze

Available on request: pumps with performances up to 48 bar and 9000 l/h and several body pump material configuration to get the best solution for each process.

PUMP KEY CODE

1°	Model
F	Flanged

2°	Configuration
N	Monoblock
S	Joint
H	Monoblock with Hopper
T	Joint with Hopper

3°/4°	Outlet Pressure [bar]
02	2
03	3
04	4
08	8

5°/6°/7°	Max Capacity [m^3/h]
2V5	2.5
005	5
010	10
020	20
026	26
040	40
060	60

8°/9°	Regulation
V0*	Hand Variator

10°	Power Supply [kW]
E	1,5
F	1,9
G	2,2
H	3
I	4
M	7,5
O	11

11°	Motor Poles
2	2
4	4

12°	Construction pump
C	Cast Iron G25
S	SS 304
K	SS 316

13°/14°/15°	Optional
000**	Standard
...	.....

F	S	08	2V5	V0*	F	2	S	000**

(*) *Models with fix flow rate (**Gear Reducer**) available on request*

(**) *To identify a Baseplate you have to fill in the position n°13 of the code, as follows:*
- *For **Cast-Iron** pump, add letter "**C**" for Base-Plate in Iron material*
- *For **AISI 304** pump, add letter "**S**" for Base-Plate in AISI 304 material*

HYDRAULIC CHARACTERISTICS

Pump Model	Cast Iron	SS 304	SS 316	Flow Rate +MTV* at Max Pressure m³/h	RPM/1'	Max Backpressure bar	Max Backpressure psi	FS Series Electric Motor [kW / Poles]
FS022V3V0E2C/S 000	C	S		0,5 - 2,3	80 - 400	2	29	1,5 / 2
FS020050V0E2C/S/K000	C	S	K	1 - 5	80 - 400	2	29	1,5 / 2
FS040050V0G2C/S/K000	C	S	K	1 - 5	80 - 400	4	58	2,2 / 2
FS082V5V0G2C/S/K000	C	S	K	0,5 - 2,5	80 - 400	8	116	2,2 / 2
FS080050V0H2C/S/K000	C	S	K	1 - 5	80 - 400	8	116	3 / 2
FS020100V0G2C/S/K000	C	S	K	2 - 10	80 - 400	2	29	2,2 / 2
FS040100V0H2C/S/K000	C	S	K	2 - 10	80 - 400	4	58	3 / 2
FS080100V0I2C/S/K000	C	S	K	2 - 10	80 - 400	8	116	4 / 2
FS030200V0I4C/S/K000	C	S	K	4 - 20	80 - 400	3	43,5	4 / 4
FS020260V0I4C/S/K000	C	S	K	5 - 26	80 - 400	2	29	4 / 4
FS040400V0M4C/S/K000	C	S	K	8 - 40	80 - 400	4	58	7,5 / 4
FS020600V0O4C/S/K000	C	S	K	12 - 60	50 - 250	2	29	11 / 4

Joint

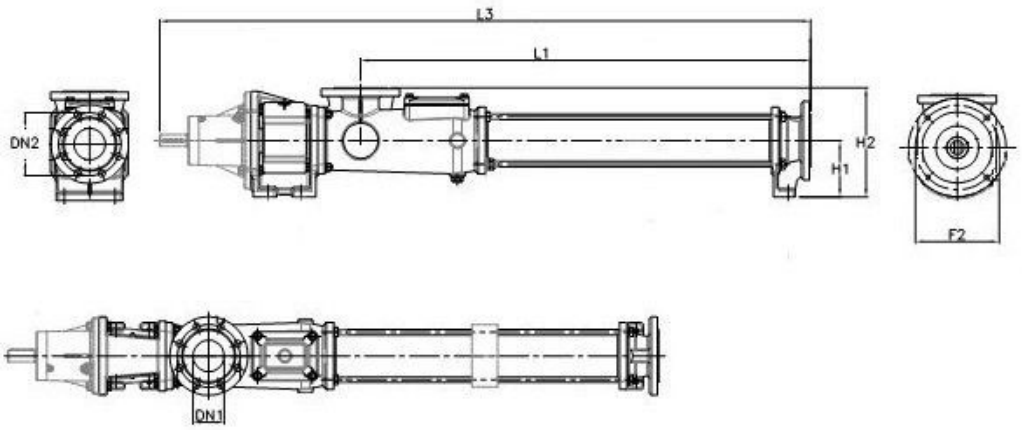
(*) +MTR

*Models with fix flow rate (**Gear Reducer**) available on request*

PUMP HEAD MATERIAL

Material	C	S	K
Rotor	SS 420B	SS 304	SS 316
Stator	NBR-Perburan	NBR-Perburan	NBR-Perburan
Seals	Mech. Seal Sic/Sic/EPDM or Packing seal	Mech. Seal Sic/Sic/EPDM or Packing seal	Mech. Seal Sic/Sic/EPDM or Packing seal

DIMENSIONS



MODEL	L1	L3	FLANGE DN1	FLANGE DN2	F2	H1	H2	Kg
FS022V8	397	752	40	40	-	102	192	24
FS082V5 FS02005 FS04005	573	963	50	50	125	102	197	39
FS02010 FS04010 FS08005	704	1134	65	65	165	102	202	57
FS03020 FS08010	922	1436	80	80	215	143	278	106
FS02026	1002	1516	80	80	215	143	278	109
FS04040	1054	1628	100	100	215	155	312	161
FS02060	1354	1957	125	125	265	170	340	235

ACCESSORIES (on request)

Probe & Thermoregulator	Baseplate	By pass