

- 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<sup>3</sup>/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 T are equipped with hopper and connection motor by bearing housing as per Model S, completely reversible and thanks also to their own wide range of flow rate and configurations available, also on also this pumps are request, our pump 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										
<b>F</b>	Flanged										
2°	Configuration										
<b>N</b>	Monoblock										
<b>S</b>	Joint										
<b>H</b>	Monoblock with Hopper										
<b>T</b>	Joint with Hopper										
3°/4°	Outlet Pressure [bar]										
<b>02</b>	2										
<b>03</b>	3										
<b>04</b>	4										
<b>08</b>	8										
5°/6°/7°	Max Capacity [m <sup>3</sup> /h]										
<b>2V5</b>	2.5										
<b>005</b>	5										
<b>010</b>	10										
<b>020</b>	20										
<b>026</b>	26										
<b>040</b>	40										
<b>060</b>	60										
8°/9°	Regulation										
<b>V0*</b>	Hand Variator										
10°	Power Supply [kW]										
<b>E</b>	1,5										
<b>F</b>	1,9										
<b>G</b>	2,2										
<b>H</b>	3										
<b>I</b>	4										
<b>M</b>	7,5										
<b>O</b>	11										
11°	Motor Poles										
<b>2</b>	2										
<b>4</b>	4										
12°	Construction pump										
<b>C</b>	Cast Iron G25										
<b>S</b>	SS 304										
<b>K</b>	SS 316										
13°/14°/15°	Optional										
<b>000**</b>	Standard										
...	.....										

<b>F</b>	<b>T</b>	<b>08</b>	<b>2V5</b>	<b>V0*</b>	<b>F</b>	<b>2</b>	<b>S</b>	<b>000**</b>
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(\*) 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		Max Backpressure		FT Series
				m <sup>3</sup> /h	RPM/1'	bar	psi	Electric Motor
								[kW / Poles]
F T 0 2 2 V 3 V 0 E 2 C / S 000				0,5 - 2,3	80 - 400	2	29	1,5 / 2
F T 0 2 0 0 5 V 0 E 2 C / S / K 000				1 - 5	80 - 400	2	29	1,5 / 2
F T 0 4 0 0 5 V 0 G 2 C / S / K 000				1 - 5	80 - 400	4	58	2,2 / 2
F T 0 8 2 V 5 V 0 G 2 C / S / K 000				0,5 - 2,5	80 - 400	8	116	2,2 / 2
F T 0 8 0 0 5 V 0 H 2 C / S / K 000				1 - 5	80 - 400	8	116	3 / 2
F T 0 2 0 1 0 V 0 G 2 C / S / K 000				2 - 10	80 - 400	2	29	2,2 / 2
F T 0 4 0 1 0 V 0 H 2 C / S / K 000				2 - 10	80 - 400	4	58	3 / 2
F T 0 8 0 1 0 V 0 I 2 C / S / K 000				2 - 10	80 - 400	8	116	4 / 2
F T 0 3 0 2 0 V 0 I 4 C / S / K 000				4 - 20	80 - 400	3	43,5	4 / 4
F T 0 2 0 2 6 V 0 I 4 C / S / K 000				5 - 26	80 - 400	2	29	4 / 4
F T 0 4 0 4 0 V 0 M 4 C / S / K 000				8 - 40	80 - 400	4	58	7,5 / 4
F T 0 2 0 6 0 V 0 O 4 C / S / K 000				12 - 60	50 - 250	2	29	11 / 4

Joint with HOPPER

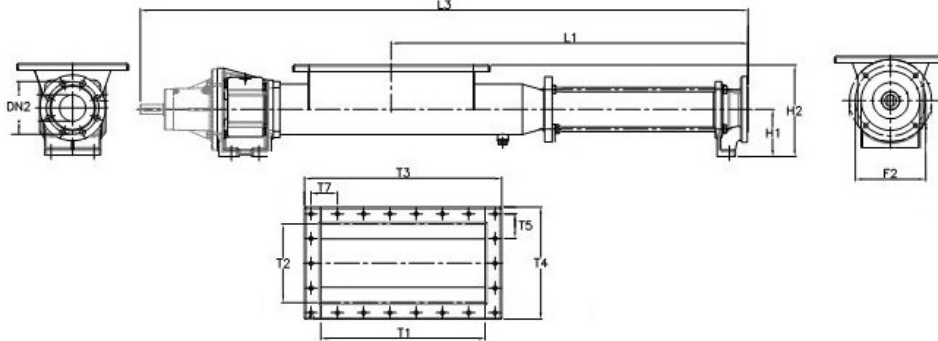
(\* ) +MTR

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

### PUMP HEAD MATERIAL

Material	C	S	K
<b>Rotor</b>	SS 420B	SS 304	SS 316
<b>Stator</b>	NBR-Perburan	NBR-Perburan	NBR-Perburan
<b>Seals</b>	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	DN2	T1	T2	T3	T4	T5	T7	F2	H1	H2	Kg
FT022V8	437	887	40	-	-	250	-	-	-	-	102	212	24.5
FT02005 FT082V5 FT04005	704	1249	50	310	180	390	260	75	70	125	102	212	41
FT02010 FT04010 FT08005	837	1440	65	350	220	430	300	65	65	165	102	222	59
FT03020 FT08010	1087	1851	80	500	240	600	340	75	80	215	143	278	108
FT02026	1167	1931	80	500	240	600	340	75	80	215	143	278	110
FT04040	1284	2093	100	500	280	600	380	82,5	80	215	155	315	167
FT02060	1554	2447	125	600	330	700	430	76	80	265	170	350	294

## ACCESSORIES (on request)

### Probe & Thermoregulator



### Baseplate



### By-pass



SEKO S.p.A.

Technical data can be changed without notice.  
TD\_Progressive\_Cavity\_Pump\_F\_Series\_Model\_T\_rev.0