



### Technical characteristics

- 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
- 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 pump FN Series is the ideal solution for the conveying of a great variety of substances, including chemicals. Thanks to their continuous flow, no vibrations, very high priming, flow reversibility and low pulsation conveyance in proportion to rotation speed makes it possible to use them in any branch of industry. Seko FN Series pumps have no valves therefore they are suitable for conveying liquids with suspended solids, or pasty. Suitable for heavy duties services, the most important application of FN Series pumps is the waste water treatment and in industry. They are employed for the transfer of:

- 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

<b>1°</b>	<b>Model</b>
<b>F</b>	Flanged
<b>2°</b>	<b>Configuration</b>
<b>N</b>	Monoblock
<b>S</b>	Joint
<b>H</b>	Monoblock with Hopper
<b>T</b>	Joint with Hopper
<b>3°/4°</b>	<b>Outlet Pressure [bar]</b>
<b>02</b>	2
<b>03</b>	3
<b>04</b>	4
<b>08</b>	8
<b>5°/6°/7°</b>	<b>Max Capacity [m³/h]</b>
<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
<b>8°/9°</b>	<b>Regulation</b>
<b>V0*</b>	Hand Variator
<b>10°</b>	<b>Power Supply [kW]</b>
<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
<b>11°</b>	<b>Motor Poles</b>
<b>2</b>	2
<b>4</b>	4
<b>12°</b>	<b>Construction pump</b>
<b>C</b>	Cast Iron G25
<b>S</b>	SS 304
<b>K</b>	SS 316
<b>13°/14°/15°</b>	<b>Optional</b>
<b>000**</b>	Standard
...	.....

<b>F</b>	<b>N</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, if request, 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 m <sup>3</sup> /h	RPM/1'	Max Backpressure		FN Series
						bar	psi	Electric Motor [kW / Poles]
F N 0 2 2 V 8 V 0 E 2 C / S 000				0,6 - 2,8	100 - 500	2	29	1,5 / 2
F N 0 2 0 0 5 V 0 E 2 C / S / K 000				1 - 5	80 - 400	2	29	1,5 / 2
F N 0 4 0 0 5 V 0 G 2 C / S / K 000				1 - 5	80 - 400	4	58	2,2 / 2
F N 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 N 0 8 0 0 5 V 0 H 2 C / S / K 000				1 - 5	80 - 400	8	116	3 / 2
F N 0 2 0 1 0 V 0 G 2 C / S / K 000				2 - 10	80 - 400	2	29	2,2 / 2
F N 0 4 0 1 0 V 0 H 2 C / S / K 000				2 - 10	80 - 400	4	58	3 / 2
F N 0 8 0 1 0 V 0 I 2 C / S / K 000				2 - 10	80 - 400	8	116	4 / 2
F N 0 3 0 2 0 V 0 I 4 C / S / K 000				4 - 20	80 - 400	3	43,5	4 / 4
F N 0 2 0 2 6 V 0 I 4 C / S / K 000				5 - 26	80 - 400	2	29	4 / 4
F N 0 4 0 4 0 V 0 M 4 C / S / K 000				8 - 40	80 - 400	4	58	7,5 / 4
F N 0 2 0 6 0 V 0 O 4 C / S / K 000				12 - 60	50 - 250	2	29	11 / 4

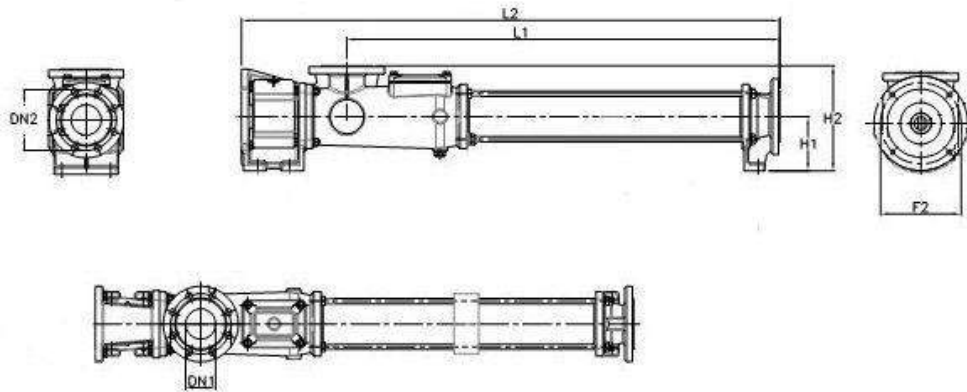
Monoblock

(\*) +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	L2	FLANGE		F2	H1	H2	Kg
			DN1	DN2				
FN022V8	397	608	40	40	-	102	192	22
FN02005 FN082V5 FN04005	573	780	50	50	125	102	197	39
FN02010 FN04010 FN08005	704	946	65	65	165	102	202	57
FN03020 FN08010	922	1202	80	80	215	143	278	106
FN02026	1002	1282	80	80	215	143	278	109
FN04040	1054	1359	100	100	215	155	312	161
FN02060	1354	1691	125	125	265	170	340	235

## ACCESSORIES (on request)

Probe & Thermoregulator	Baseplate	By pass