

Technical characteristics

- Flow rates: from 40 to 1000 l/h
- Max Pressure: up to 20 bar (290 psi)
- Motor:
 - 0.25 kW and 0.75 kW - 3 ph (IP55)
 - 0.37 kW and kW – 1.1 kW 1ph (IP55)
- Stroke rate: 58 – 78 – 116 strokes/minute
- Stroke length: 25 mm
- Piston diameter: from 25 to 89 mm
- Pump head:
 - SS 316 L
 - PVC
- Max. dosing temperature:
 - SS 316 L 90° C
 - PVC 40° C

Seko plunger piston pump PS2 Series has a wide range product. PS2 Series performances covers from 40 to 1000 l/h with a back pressure up to 20 bar, having several configurations available for the pump head and power, in order to have the characteristics most suitable for processes where required.

PS2 pumps have a spring return mechanism into an aluminum housing

Each model has 3 values of stroke rate, which can be set manually or automatically using a linear actuator which accepts a signal 4 – 20 mA. Moreover they can be supplied with a 3 phases or 1 phase electric motor with protection class IP55.

PS2 Series have the same features than PS1, still change the some hydraulic characteristic due by bigger size of piston, longer stroke length, therefore the flow rate and power.

PUMP KEY CODE

1°	Model								
P	Plunger Piston								
2°/3°	Mechanism Type								
S2	Piston								
4°	Stroke Length mm[
E	15								
5°/6°/7°	Piston Diameter [mm]								
025	25								
030	30								
038	38								
048	48								
054	54								
064	64								
076	76								
089	89								
8°	Stroke Rate [stroke/min]								
A	58								
B	78								
C	116								
9°/10°	Pump Head Material								
	Pump Head	Piston	Piston Seal	Valves	Seat Valves	Equipment			
21	SS 316	SS 316	FPM	SS 316	SS 316	Standard			
31	PVC	Ceramic	FPM	Ceramic	PTFE				
24	SS 316	Ceramic	EPDM	SS 316	SS 316	Special			
32	PVC	Ceramic	FPM	SS 316	SS 316				
34	PVC	Ceramic	EPDM	Ceramic	PTFE				
11°/12°	Electric Motor Type [kW]								
T4	0,25 (4 poles - 230 Vac - 50 Hz - 3 ph)								
U4	0,37 (4 poles - 230 Vac - 50 Hz - 3 ph)								
D4	0,55 (4 poles - 230 Vac - 50 Hz - 3 ph)								
E4	0,75 (4 poles - 230 Vac - 50 Hz - 3 ph)								
Z4	0,37 (230 Vac - 50 Hz - 1 ph)					For the same performances. Use one size bigger than 3ph			
L4	0,55 (230 Vac - 50 Hz - 1 ph)								
M4	0,75 (230 Vac - 50 Hz - 1 ph)								
13°	Stroke Regulation								
0	Manual								
L	Automatic Linear SEKO								
14°	Customization								
0	Standard								
H	High Pressure pump Head								
15°	Optional								
0	Standard								
P	S2	E	038	C	31	U4	L	0	0

HYDRAULIC CHARACTERISTICS

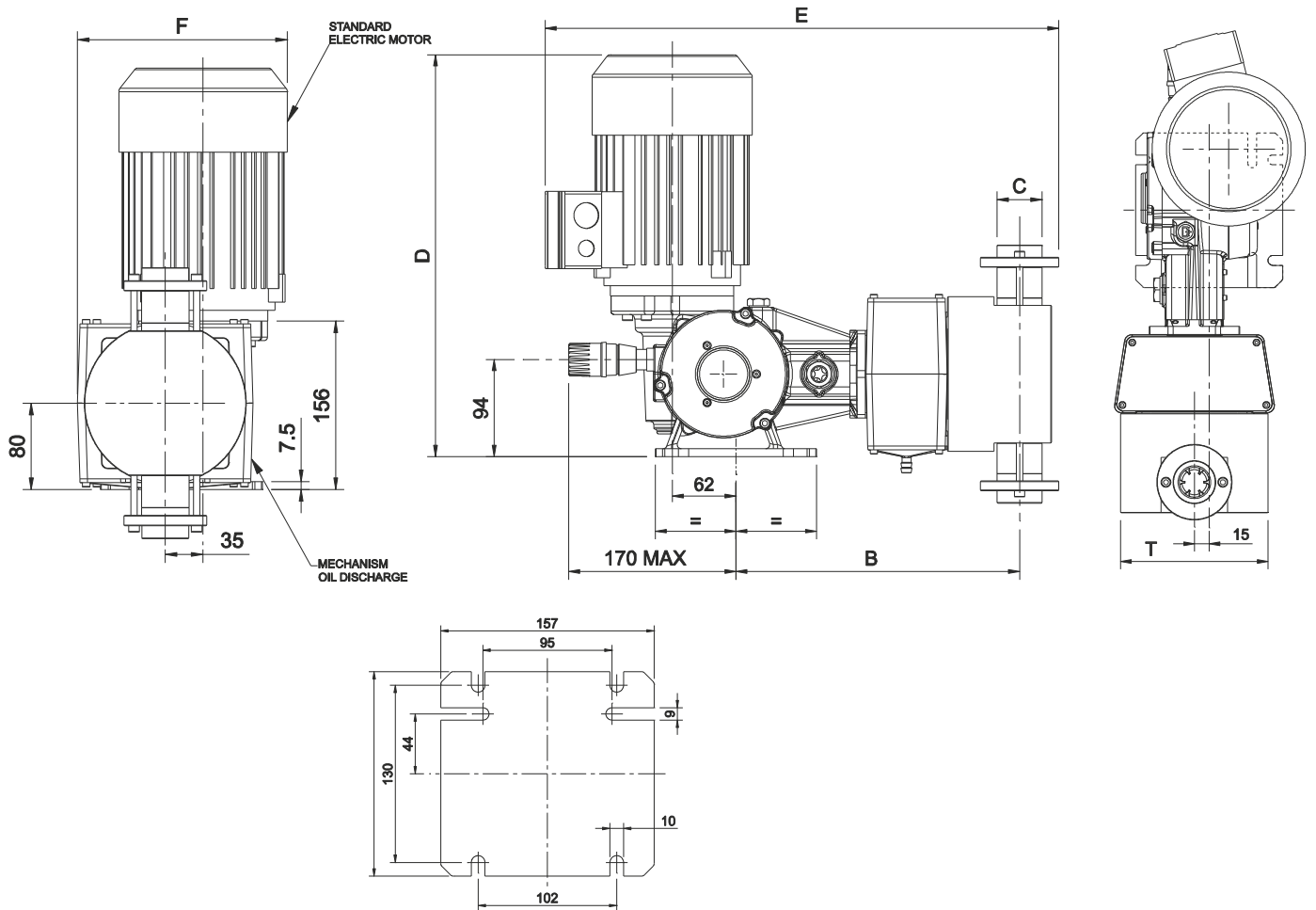
Pump Model	Piston Diameter [mm]	Stroke/min	Flow rate		Max back pressure				Suction/Discharge Connection		Electric Motor 50 Hz 3 phases [kW]
					bar		p.s.i.				
			l/h	gl/h	SS 316	PVC	SS 316	PVC	SS 316	PVC	
P S 2 E 0 2 5 A	25	58	40	0,40	20	10	290	145	3/8" G F	3/8" G F	0,25 (T4)
P S 2 E 0 2 5 B		78	53	0,53							
P S 2 E 0 2 5 C		116	80	0,79							
P S 2 E 0 3 0 A	30	58	55	1,32	20	10	290	145	3/8" G F	3/8" G F	0,25 (T4)
P S 2 E 0 3 0 B		78	75	1,72							
P S 2 E 0 3 0 C		116	112	2,65							
P S 2 E 0 3 8 A	38	58	90	2,91	20	10*	290	145*	1/2" G F	3/8" G F	0,37 (U4)
P S 2 E 0 3 8 B		78	120	3,97							
P S 2 E 0 3 8 C		116	180	5,82							
P S 2 E 0 4 8 A	48	58	140	6,61	20	10*	290	145*	1/2" G F	1/2" G F	0,55 (D4)
P S 2 E 0 4 8 B		78	190	8,47							
P S 2 E 0 4 8 C		116	284	13,23							
P S 2 E 0 5 4 A	54	58	180	9,26	15	10	217	145	1/2" G F	1/2" G F	0,55 (D4)
P S 2 E 0 5 4 B		78	242	11,90							
P S 2 E 0 5 4 C		116	365	18,52							
P S 2 E 0 6 4 A	64	58	250	14,55	10	10	145	145	3/4" G F	3/4" G F	0,75 (E4)
P S 2 E 0 6 4 B		78	335	19,31							
P S 2 E 0 6 4 C		116	505	29,10							
P S 2 E 0 7 6 A	76	58	365	22,49	7	7	101	101	1" G F	1" G F	0,75 (E4)
P S 2 E 0 7 6 B		78	485	30,16							
P S 2 E 0 7 6 C		116	730	44,97							
P S 2 E 0 8 9 A	89	58	495	29,10	5	5	72.5	72.5	1" G F	1" G F	0,75 (E4)
P S 2 E 0 8 9 B		78	660	38,36							
P S 2 E 0 8 9 C		116	1000	58,20							

* Available with special reinforced pump head for use with pressure up to 20 bar - 14' Field (Optional) in the Key Code identified by "H"

PUMP HEAD MATERIAL

Material	Standard		Special					
	21	31	23	24	26	32	34	41
Pump Head	SS 316	PV	SS 316	SS 316	SS 316	PVC	PVC	PVDF
Piston	SS 316	Ceramic	Ceramic	Ceramic	SS 316	Ceramic	Ceramic	Ceramic
Piston Seal	FPM	FPM	FPM	EPDM	EPDM	FPM	EPDM	FPM
Valves	SS 316	Ceramic	SS 316	SS 316	SS 316	SS 316	Ceramic	Ceramic
Seat Valves	SS 316	PTFE	SS 316	SS 316	SS 316	SS 316	PTFE	PVDF

DIMENSIONS



Material Pump Head	Pump Model	Dimension [mm]				3 PHASES					1 PHASE				
		A	B	C	T	P kW	Size	D mm	E mm	F mm	P kW	Size	D mm	E mm	F mm
AISI 316 (21 - 24)	PS2E025	121	258	3/8" G F	68	0.25	71 B5	385	443	187	0.37	71B5	385	392	187
	PS2E030	122	258	3/8" G F	68	0.25	71 B5	385	443	187	0.37	71B5	385	392	187
	PS2E038	164	268	1/2" G F	88.5	0.37	71 B5	385	455	187	0.55	80B14	398	392	197
	PS2E048	164	268	1/2" G F	88.5	0.55	80 B14	398	470	197	0.75	80B14	398	397	197
	PS2E054	176	268	1/2" G F	108	0.55	80B14	398	472	197	0.75	80B14	398	397	197
	PS2E064	195	273	3/4" G F	103	0.75	80B14	398	491	197	1.1	80B14	412	409	197
	PS2E076	241	288	1" G F	112	0.75	80B14	398	510	197	1.1	80B14	412	409	197
	PS2E089	253	288	1" G F	125	0.75	80B14	398	510	197	1.1	80B14	412	411	197
PVC (31-32-34)	PS2E025	179	258	3/8" G F	78	0.25	71 B5	385	463	187	0.37	71B5	385	398	187
	PS2E030	178	258	3/8" G F	78	0.25	71 B5	385	453	187	0.37	71B5	385	398	187
	PS2E038	200	268	3/8" G F	98	0.37	80 B14	385	467	187	0.55	80B14	398	398	197
	PS2E048	244	268	1/2" G F	108	0.55	80 B14	398	483	197	0.75	80B14	398	407	197
	PS2E054	253	268	1/2" G F	118	0.55	80B14	398	483	197	0.75	80B14	398	407	197
	PS2E064	273	273	3/4" G F	118	0.75	80 B14	398	493	197	1.1	80B14	412	421	197
	PS2E076	299	288	1" G F	148	0.75	80 B14	398	513	197	1.1	80B14	412	422	197
	PS2E089	309	288	1" G F	158	0.75	80 B14	398	513	197	1.1	80B14	412	422	197