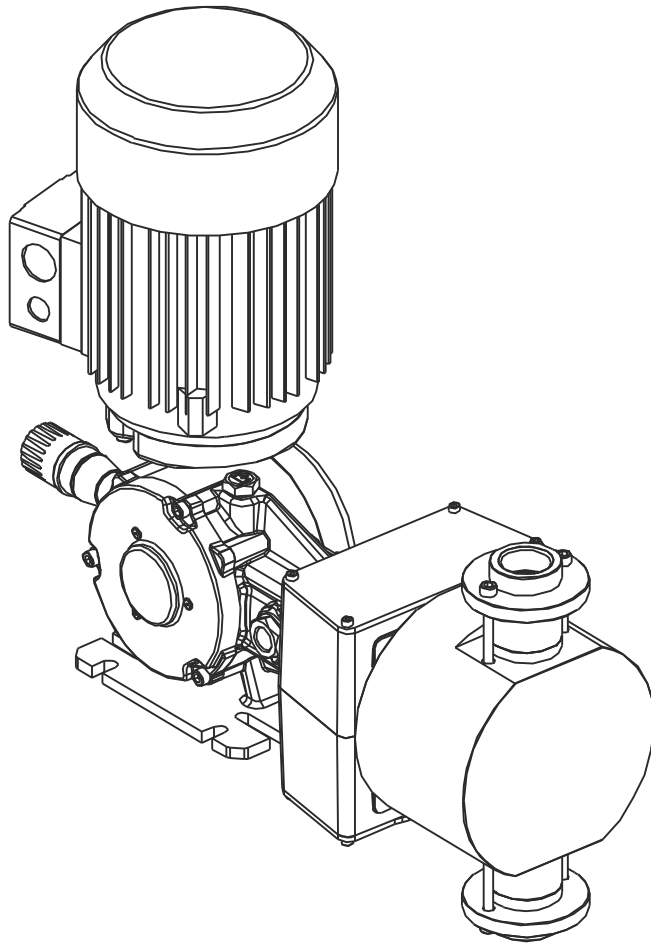




Technical characteristics

- Flow rates: from 40 to 1000 l/h
- Max Pressure: up to 20 bar (290 psi)
- Motor:
 - 0.25 kW to 0.75 kW - 3 ph (IP55)
 - 0.37 kW to 1.1 kW - 1ph (IP55)
- Stroke rate: 58 –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
- Ambient dosing temperature:
 - +5 ÷ +45 °C
- Storing temperature:
 - -10 ÷ +50 °C

Seko plunger piston pump PS2 Series has a wide range product. PS2 Series performances cover s from 40 to1000 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 pump have a spring return mechanism into an aluminum housing.

Each model has 2 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

Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7	Field 8	Field 9	Field 10
P	S2	E	038	C	21	U4	0	0	0

Field 1	model	←
Field 2	mechanism family	←
Field 3	stroke length	←
Field 4	piston diameter	←
Field 5	stroke rate	←
Field 6	pump head material	←
Field 7	electric motor type	←
Field 8	stroke regulation	←
Field 9	customization	←
Field 10	optional	←

Field 1	model	P	Plunger Piston
Field 2	mechanism family	S2	Piston
Field 3	stroke length	E	25 [mm]
Field 4	piston diameter	025	25 [mm]
		030	30
		038	38
		048	48
		054	54 [mm]
		064	64
		076	76
		089	89
Field 5	stroke rate	A	58 [stroke/1']
		C	116
Field 6	pump head material		
		21	SS316
		31	PVC
		24	SS316
		32	PVC
		34	PVC
Field 7	electric motor type	T4	0,25 kW (4 poles - 3phases 230-400 Vac 50/60 Hz - size 71-B5)
		U4	0,37 kW (4 poles - 3phases 230-400 Vac 50/60 Hz - size 71-B5)
		D4	0,55 kW (4 poles - 3phases 230-400 Vac 50/60 Hz - size 80-B14)
		E4	0,75 kW (4 poles - 3phases 230-400 Vac 50/60 Hz - size 80-B14)
		Z4	0,37 kW (4 poles - 1phase 230 Vac 50 Hz - size 71-B5)
		L4	0,55 kW (4 poles - 1phase 230 Vac 50 Hz - size 80-B14)
		M4	0,75 kW (4 poles - 1phase 230 Vac 50 Hz - size 80-B14)
		N4	1,1 kW with breaker torque (4 poles - 1phase 230 Vac 50 Hz - size 71-B14)
		BI	0,25 kW (4 poles - 3phases 230-400 Vac 50/60 Hz - size 71-B5 - with INVERTER)
		CI	0,37 kW (4 poles - 3phases 230-400 Vac 50/60 Hz - size 71-B5 - with INVERTER)
		DI	0,55 kW (4 poles - 3phases 230-400 Vac 50/60 Hz - size 80-B14 - with INVERTER)
		EI	0,75 kW (4 poles - 3phases 230-400 Vac 50/60 Hz - size 80-B14 - with INVERTER)
		S0	WITHOUT motor
Field 8	stroke regulation	0	Manual with adjustment knob - STANDARD
		L	Automatic Linear Actuator AKTUA series
Field 9	customization	0	Standard
		H	High Pressure
Field 10	optional	0	Standard
		2	(S0 - WITHOUT motor) + adapter kit

HYDRAULIC CHARACTERISTICS

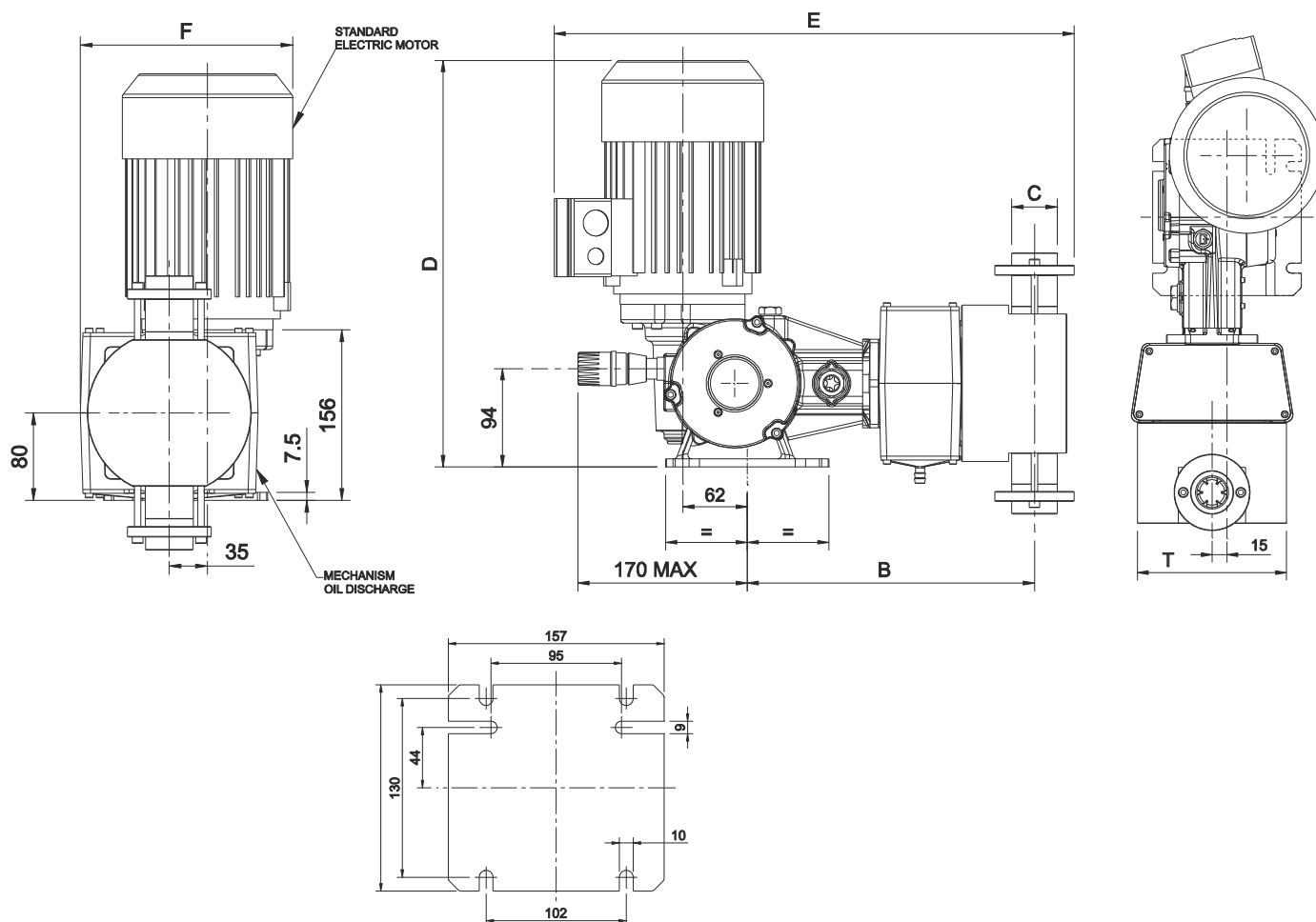
Pump Model	Piston Diameter [mm]	Stroke/min	Flow rate		Max back pressure				Suction/Discharge Connection		Electric Motor 50 Hz 3 phases [kW]
					bar		p.s.i.				
			l/h	gl/h	SS 316	PVC	SS 316	PVC	SS 316	PVC	
P S 2 E 0 2 5 A P S 2 E 0 2 5 C	25	58 116	40 80	0,40 0,79	20	10	290	145	3/8" G F	3/8" G F	0,25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

* 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
O-Ring	FPM	FPM	FPM	EPDM	EPDM	FPM	EPDM	FPM

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