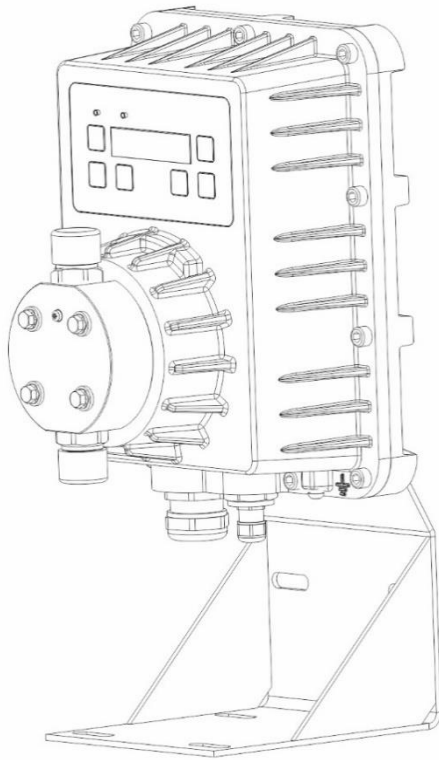


DOSING PUMP

TEKNA ATEX SERIES – Solenoid Dosing Pump

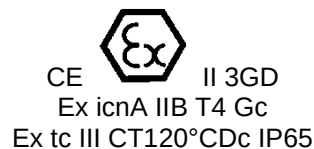


TECHNICAL CHARACTERISTICS



- Flow rates: from 0.4 to 110 l/h
- Max back pressure: up to 20 bar
- Power supply:
 - 100÷240V 50/60 Hz
- Stroke rate: from 120 to 300 strokes/minute
- Pump head:
 - SS316
 - PVDF
 - Hastelloy C276
- Diaphragm: PTFE
- External Enclosure: Aluminium protection degree IP65
- Manually priming
- Installation kit: Not Included (except for PVDF)

Seko Tekna ATEX Series is a solenoid dosing pump suitable for use in areas with ATEX classification:



- constant flow rate manually adjustable
- proportional flow rate according to an external analogic (4-20 mA) or digital signal (water meter, 1:n or n:1)
- timed with a weekly timer to program at maximum 10 feed times.
- Programmable timed relay by activation of a dry contact.
- Timer function
- ppm proportional dosing
- Statistic
- Password
- Input On-Off (remote control)

Also with this pump, with only 5 sizes, is possible to cover a wide range of performances, having a flow rate range from 0.4 to 110 l/h and a back pressure from 0.1 to 20 bar. The power supply is 100÷240 Vac – 50/60 Hz therefore the same pump can operate with different supply voltage. The pump head is in PVDF, SS316 or Hastelloy C276, therefore high chemical compatibility with several liquids end. The ambient temperature at the site of pump installation cannot exceed 40°C, and the relative humidity cannot be above 90%; the pump cannot be installed in a place exposed to sun or bad weather.

DOSING PUMP

TEKNA ATEX SERIES – Solenoid Dosing Pump



KEY CODE

model

- TPG** Constant flow rate manually adjustable, available with stroke length regulation. Proportional flow rate according to an external analogic (4-20 mA) or digital signal (water meter, 1:n or n:1). Timer function, ppm proportional dosing. Statistic. Password Input ON-OFF (remote control). Available with communication via ModBus protocol.
- TCK** Constant flow rate manually adjustable. Timed dosing with a weekly programmable timer, programmable timed relay by activating a dry contact

		Pressure		Flow rate		Capacity		Frequency		Ø Connections		
hydraulics		[bar]		[l/h]		[cc/stroke]		[stroke/1']		IN / EXT [mm]		
500		20		0,4		0,06		120		4 / 7 discharge 4 / 6 suction		
		16		0,8		0,11						
		10		1,2		0,17						
		6		1,5		0,21						
600		20		2,5		0,35		120		4 / 7 discharge 4 / 6 suction		
		18		3		0,42						
		14		4,2		0,58						
		8		7		0,97						
603		12		4		0,42		160		4 / 6		
		10		5		0,52						
		8		6		0,63						
		2		8		0,83						
800		16		7		0,38		300		4 / 6		
		10		10		0,55						
		5		15		0,83						
		1		18		1,00						
803		5		20		1,11		300		8 / 12		
		4		32		1,78						
		2		62		3,44						
		0,1		110		6,11						
power supply												
		N	100÷240 Vac 50/60 Hz									
liquid end												
		H	PVDF									
		I	SS316L									
installation kit												
		H	PVDF									
		0	WITHOUT kit <i>only for SS316L liquid end</i>									
seals												
		0	FKM-B									
		1	EPDM									
		2	PTFE <i>standard for SS316 liquid end</i>									
		3	FFKM <i>NOT for 803 hydraulic - kit with PTFE seals</i>									
optional												
		0	standard									
optional / customization												
		X0	standard ATEX									
TPG	800	N	I	0	2	0	X0					

DOSING PUMP

TEKNA ATEX SERIES – Solenoid Dosing Pump



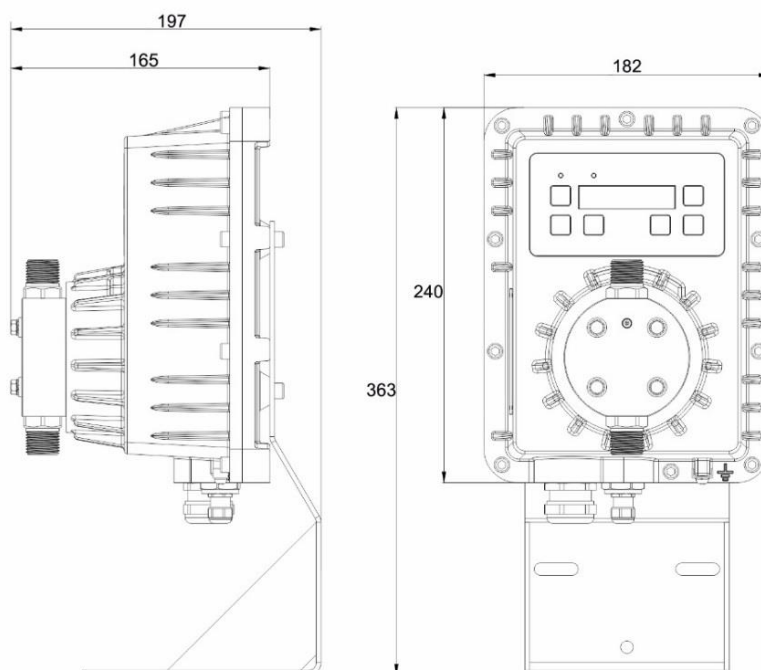
HYDRAULIC CHARACTERISTICS

Pump model	Pressure [bar]	Flow Rate [l/h]	Frequency max [stroke/min]	Stroke capacity [cc/stroke]	Connection [mm]		Power supply	Consumption [W]	
					Suction	Discharge		Min	Max
TPG/TCK 500N	20	0,4	120	0,06	4/6	4/7	100÷240 Vac	-	-
	16	0,8		0,11					
	10	1,2		0,17					
	6	1,5		0,21					
TPG/TCK 600N	20	2,5	120	0,35	4/6	4/7	100÷240 Vac	14,0	20,0
	18	3,0		0,42					
	14	4,2		0,58					
	8	7,0		0,97					
TPG/TCK 603N	12	4,0	160	0,42	4/6	4/6	100÷240 Vac	15,0	22,0
	10	5,0		0,52					
	8	6,0		0,63					
	2	8,0		0,83					
TPG/TCK 800N	16	7,0	300	0,39	4/6	4/6	100÷240 Vac	22,0	36,0
	10	10,0		0,56					
	5	15,0		0,83					
	1	18,0		1,00					
TPG/TCK 803N	5	20,0	300	1,11	8/12	8/12	100÷240 Vac	-	-
	4	32,0		1,78					
	2	62,0		3,44					
	0	110,0		6,11					

* Pressure Data in the table refer to the measured parameters on the plant, including the use of SEKO STANDARD injection fitting.

**Minimum consumption at 0 bar of back pressure (Patented)

DIMENSIONS



DOSING PUMP

TEKNA ATEX SERIES – Solenoid Dosing Pump



PERFORMANCE

