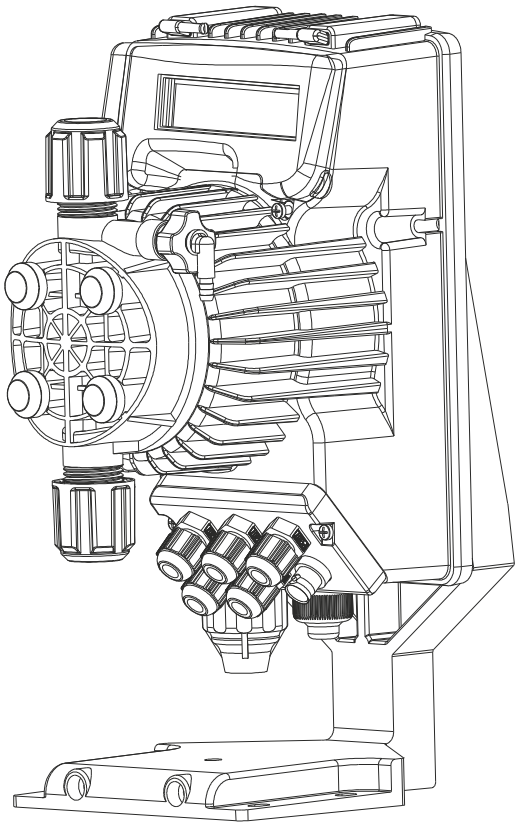
DOSING PUMP

TEKNA TPG SERIES – Solenoid Dosing Pump



Technical characteristics

- Flow rates: from 0.1 to 29 GPH
- Max back pressure: up to 290 PSI
- Power supply:
    - 100÷240V 50/60 Hz
- Stroke rate: from 120 to 300 strokes/minute
- Pump head:
    - PVDF
- Diaphragm: PTFE
- External Enclosure: PP reinforced with fiber glass
  protection degree IP65
- Manually priming valve
- Installation kit: Included
- **CE & ETL approved**

Seko Tekna TPG Series is the digital interface version of APG model:

- 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)
- Timer function
- ppm proportional dosing
- Statistics
- 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 0.1 to 29 GPH (0.4 to 110 l/h) and a back pressure up to 290 psi (20 bar). The power supply is 100÷240 Vac – 50/60 Hz, therefore the same pump can operate with different supply voltage. The standard pump head is in PVDF, therefore high chemical compatibility with several liquids end but is available in PVC as well, on request. Also, Tekna TPG Series is equipped with a manually priming pump for the start up.

The pump is furnished with a complete standard installation kit, which includes: PVDF foot filter and injection valve, PVC suction tube, PE delivery tube. Moreover, is available an installation kit in PVDF-T, on request.

HYDRAULIC CHARACTERISTICS Standard Version

Your Choice,
Our Commitment

TEKNA Series - Pump selection guide

Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7
AKL	603	N	H	H	0	U00

Field 1	model
Field 2	hydraulics
Field 3	power supply
Field 4	liquid end
Field 5	installation kit
Field 6	seals
Field 7	customization

Field 1	model	Analog	Digital
		AKL	
		ATL	
		APG	TPG
			TPR
			TCK

Field 2	hydraulics	psi	gph	stroke/min	oz/stroke	tubing Ø	consumption
	500	290	0.1	120	0.030	1/4"	12.2
		232	0.21		0.060		
		145	0.32		0.089		
		87	0.4		0.112		
	600	290	0.66	120	0.186	1/4" 3/8" upon request	12
		261	0.8		0.223		
		203	1.1		0.313		
		116	1.85		0.521		
	603	174	1.06	160	0.004	1/4" 3/8" upon request	12.2
		145	1.32		0.005		
		116	1.58		0.005		
		29	2.11		0.007		
	800	232	1.85	300	0.003	1/4" 3/8" upon request	23.9
		145	2.64		0.005		
		72	3.96		0.007		
		14	4.75		0.009		
	803	72	5.28	300	0.010	3/8"	22.9
		58	8.45		0.013		
		29	16.4		0.019		
		0	29		0.027		

Field 3	power supply
N	100÷240 Vac

Field 4	liquid end	Body	Connections	Balls	Diaphragm
H		PVDF	PVDF	Ceramic	PTFE
A		PVDF	PVDF	Ceramic	PTFE
I		AISI316L		AISI316L	PTFE
A	*Pump head with automatic degassing valve. Only for 603 and 800 series*				

Field 5	installation kit
H	PVDF
P	PVDF-T

Field 6	seals
0	FPM
1	EPDM
2	Elastomer Free

Field 7	customization

0U0 USA Standard version 000 metric

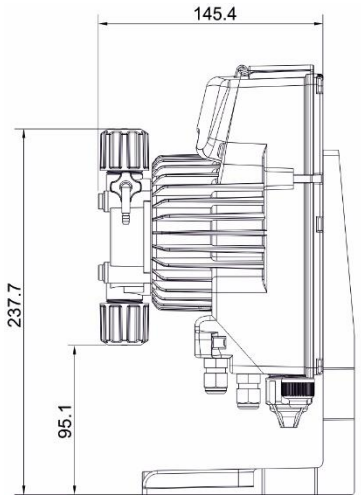
Metric Version

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
T P G 5 0 0 N	20 16 10 6	0,4 0,8 1,2 1,5	120	0,06 0,11 0,17 0,21	*4/6*	*4/7*	100÷240 Vac	-	-
T P G 6 0 0 N	20 18 14 8	2,5 3,0 4,2 7,0	120	0,35 0,42 0,58 0,97	4/6	4/7	100÷240 Vac	14,0	20,0
T P G 6 0 3 N	12 10 8 2	4,0 5,0 6,0 8,0	160	0,42 0,52 0,63 0,83	4/6	4/6	100÷240 Vac	15,0	22,0
T P G 8 0 0 N	16 10 5 1	7,0 10,0 15,0 18,0	300	0,39 0,56 0,83 1,00	4/6	4/6	100÷240 Vac	22,0	36,0
T P G 8 0 3 N	5 4 2 0	20,0 32,0 62,0 110,0	300	1,11 1,78 3,44 6,11	8/12	8/12	100÷240 Vac	-	-

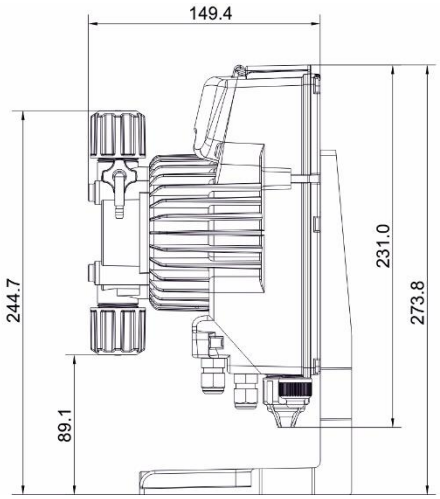
The Pressure Data in the table refer to the measured parameters on the plant, including the use of SEKO STANDARD injection fitting.

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

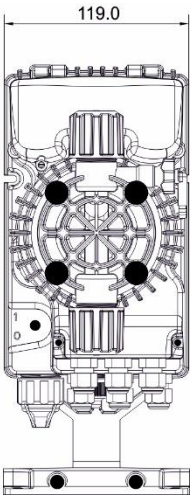
DIMENSIONS



500 – 600 – 603 – 800

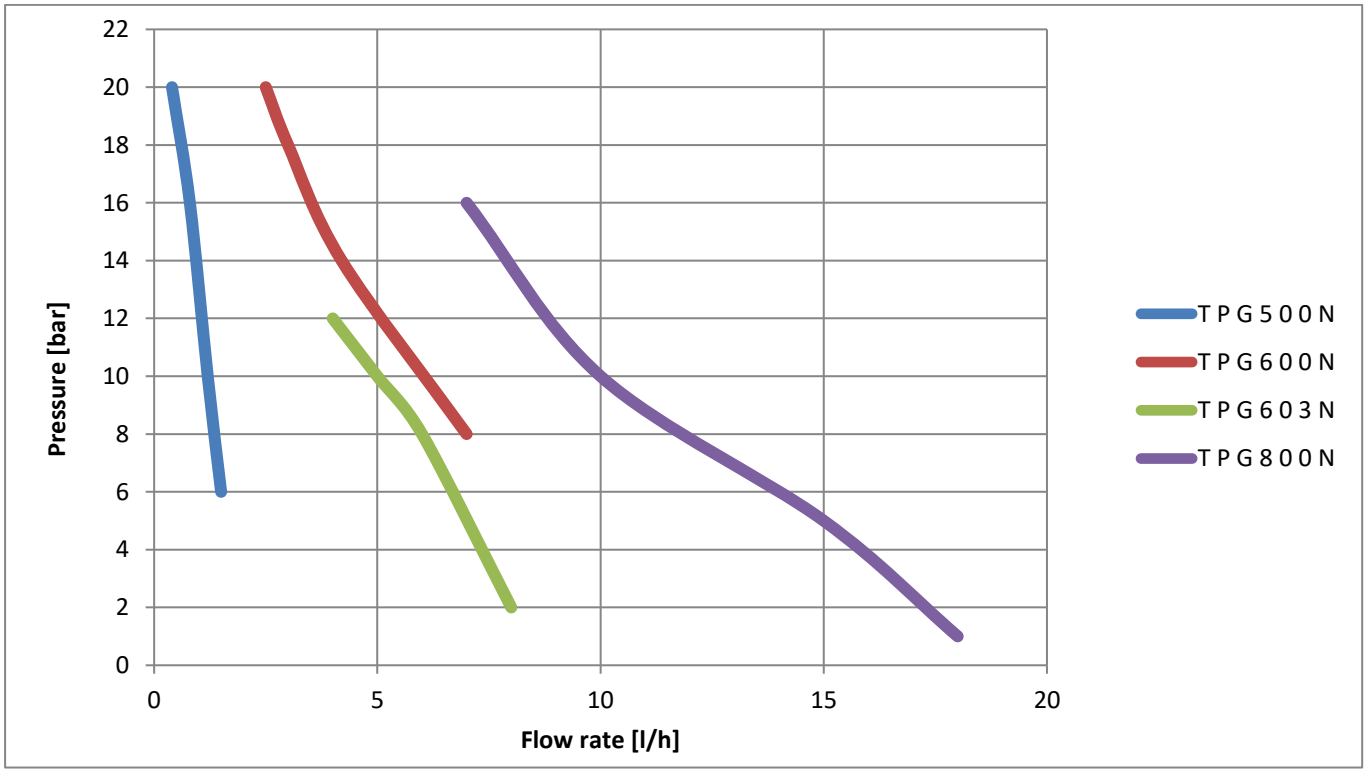


803



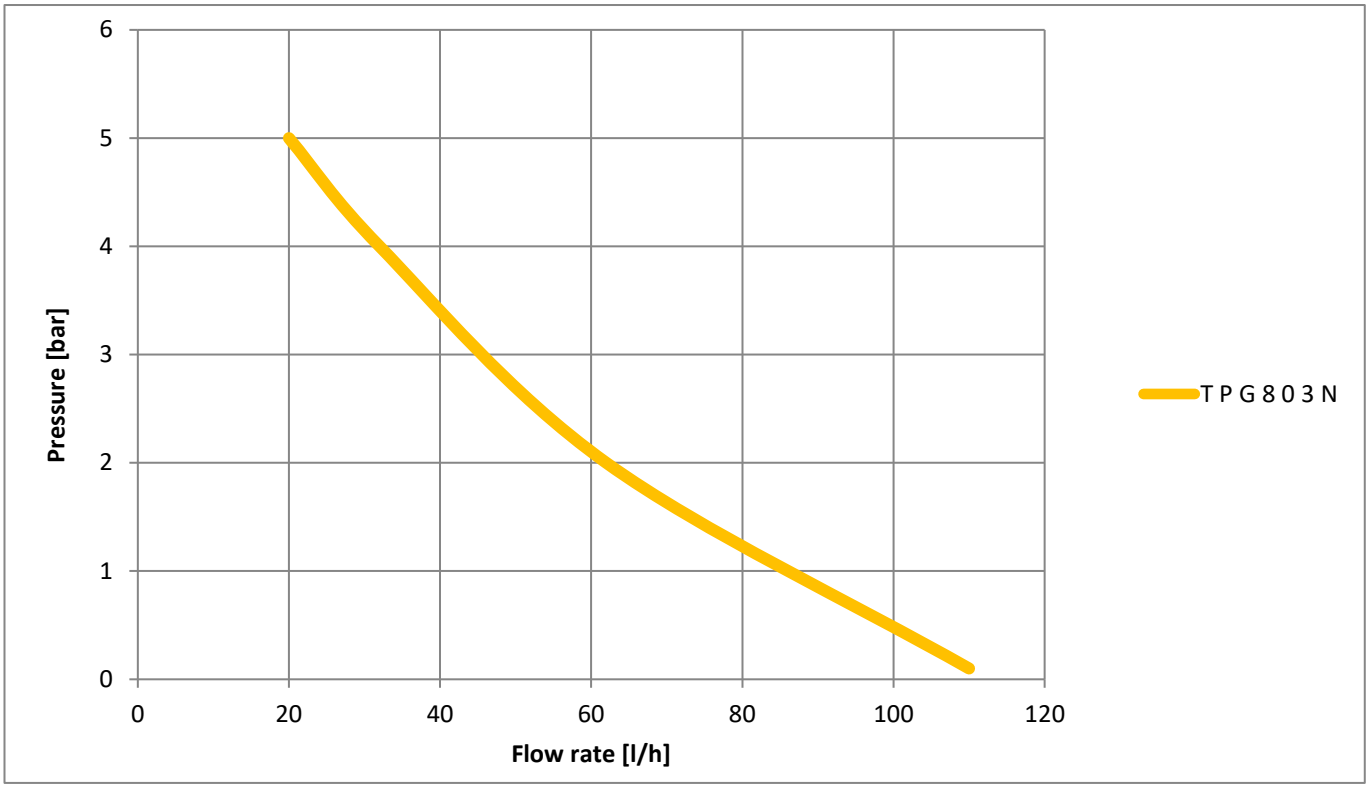
500 – 600 – 603 – 800 – 803

INSTALLATION KIT	PVDF	PVDF-T
PVDF foot filter	●	
PVDF injection valve	●	
PVDF-T foot filter		●
PVDF-T Injection valve		●
PVC suction tube (4 m)	●	
PE delivery tube (2 m)	●	
Wall and base fixing bracket	●	



Your Choice,
Our Commitment

Technical data can be changed without notice.
TD_Tekna_TPG_Series_rev.0.2


Pressure [bar]
0
1
2
3
4
5
6
0
20
40
60
80
100
120
Flow rate [l/h]
TPG803N