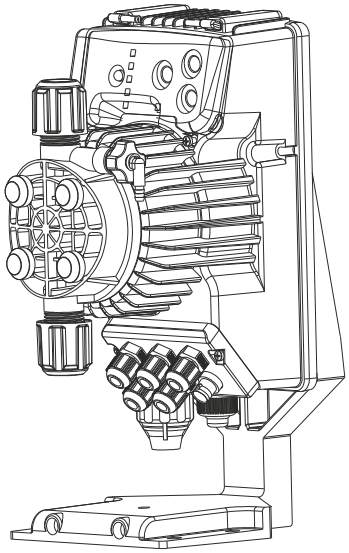
DOSING PUMP

TEKNA APG 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÷240Vac 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

Seko Tekna APG Series is an analogic dosing pump with:

- constant flow rate manually adjustable
- proportional flow rate according to an external analogic (4-20 mA) or digital signal (water meter)
- Six positions adjustable switch:
  - 3 in division mode (1, 4, 10=n)
  - 1 in multiplication mode (n=1)
  - 1 for proportional mode 4-20 mA signal
  - 1 for constant functionality
- Pacing function adjustable by dip switch

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, moreover the model APG603 have the possibility for 24 Vac power supply.

The standard pump head is in PVDF, therefore high chemical compatibility with several liquids end but is available in PVC as well, on request.

All Tekna series are 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.

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.

Technical data can be changed without notice.

DOSING PUMP

TEKNA APG Series – Solenoid Dosing Pump

KEY CODE

model

APG — 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).

hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Frequency [stroke/1']	Ø Connections 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	
O	24 Vac 50/60 Hz	
L	12 Vdc	*12 Vdc - ONLY for AKS and TPT*

liquid end

H	PVDF	
A	PVDF - automatic degassing	*NOT for 803 hydraulic*
I	SS316L	

installation kit

H	PVDF	
P	PVDF-T	
X	with 1,5 bar injection valve	
0	WITHOUT kit	*only for SS316L liquid end*

seals

0	FKM-B	
1	EPDM	
2	PTFE	
3	FFKM	*NOT for 803 hydraulic - kit with PTFE seals*
B	FPM	*hydraulic 603 and 800*
C	EPDM	*special seals for Car Wash applications*

optional

0	standard

optional / customization

00	standard

APG	800	N	A	H	1	0	00

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DOSING PUMP

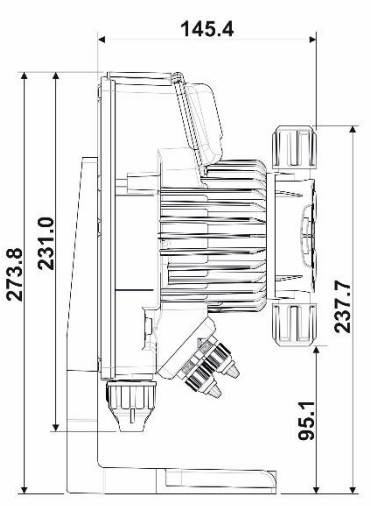
TEKNA APG Series – Solenoid Dosing Pump

HYDRAULIC CHARACTERISTICS

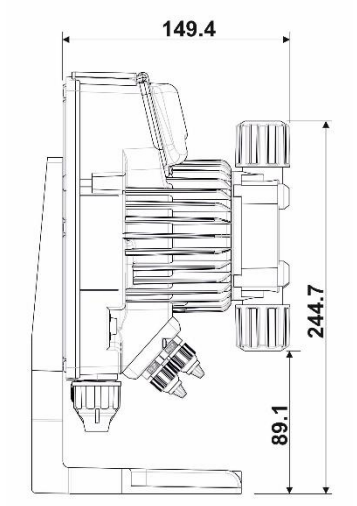
Pump model	Pressure [bar]	Flow Rate [l/h]	Frequency max [stroke/min]	*Stroke capacity [cc/stroke]*	*Connection [mm]*		Power supply	Consumption [W]	
					Suction	Discharge		Min	Max
APG500N	20 16 10 6	0,4 0,8 1,2 1,5	120	0,06 0,11 0,17 0,21	4/6	4/7	100÷240 Vac	-	-
APG600N	20 18 14 8	2,5 3,0 4,2 7,0	120	0,35 0,42 0,58 0,97	4/6	4/7	100÷240 Vac	-	-
APG603N	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	-	-
APG800N	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	-	-
APG803N	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	-	-

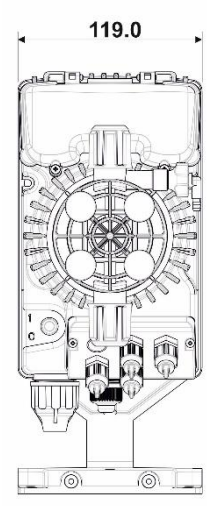
DIMENSIONS

500 – 600 – 603 - 800



803





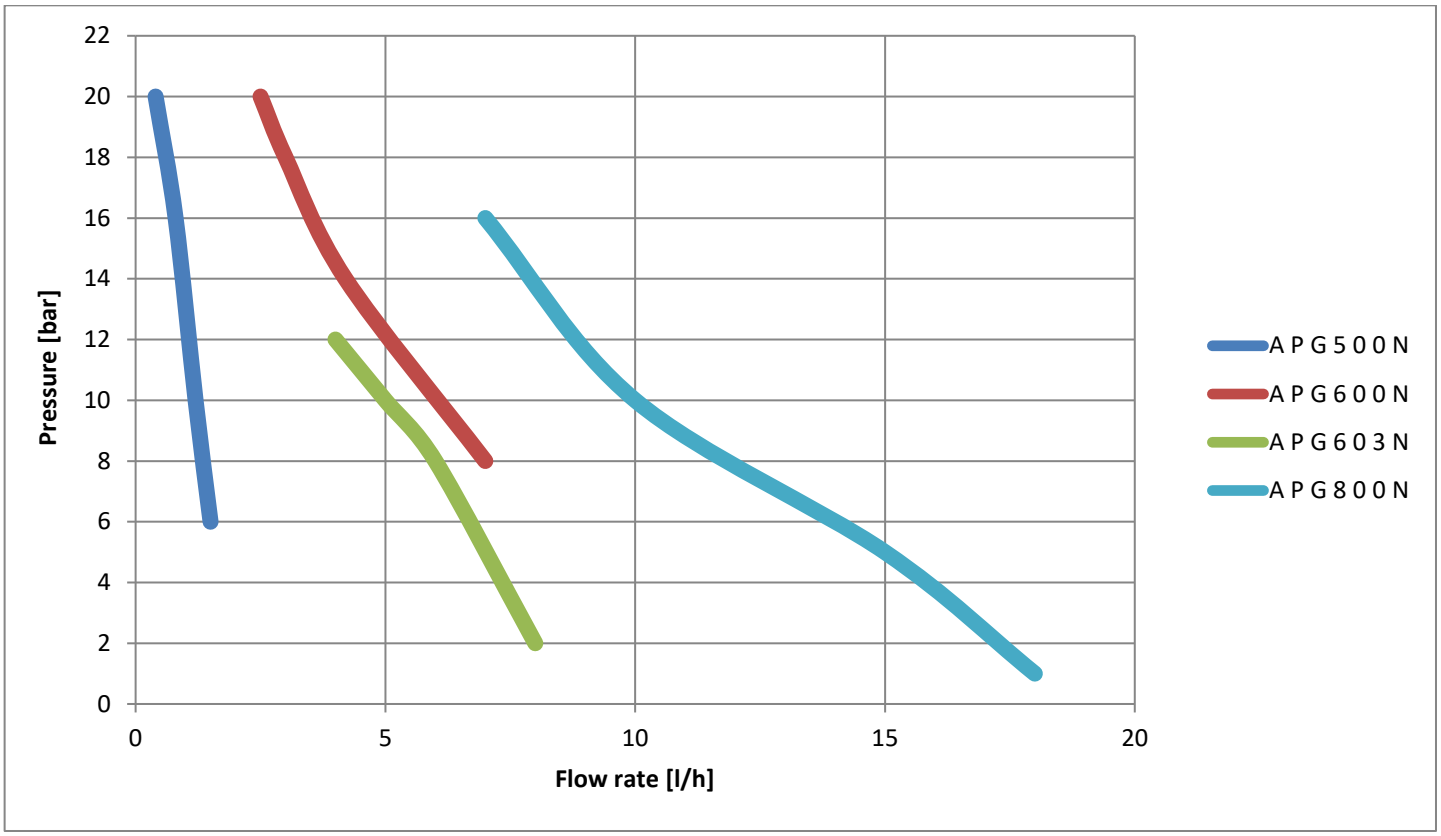
INSTALLATION KIT	PVDF	PVDF-T
foot filter	●	●
injection valve	●	●
PVC suction tube (4 m)	●	
PE delivery tube (2 m)	●	
Wall and base fixing bracket	●	

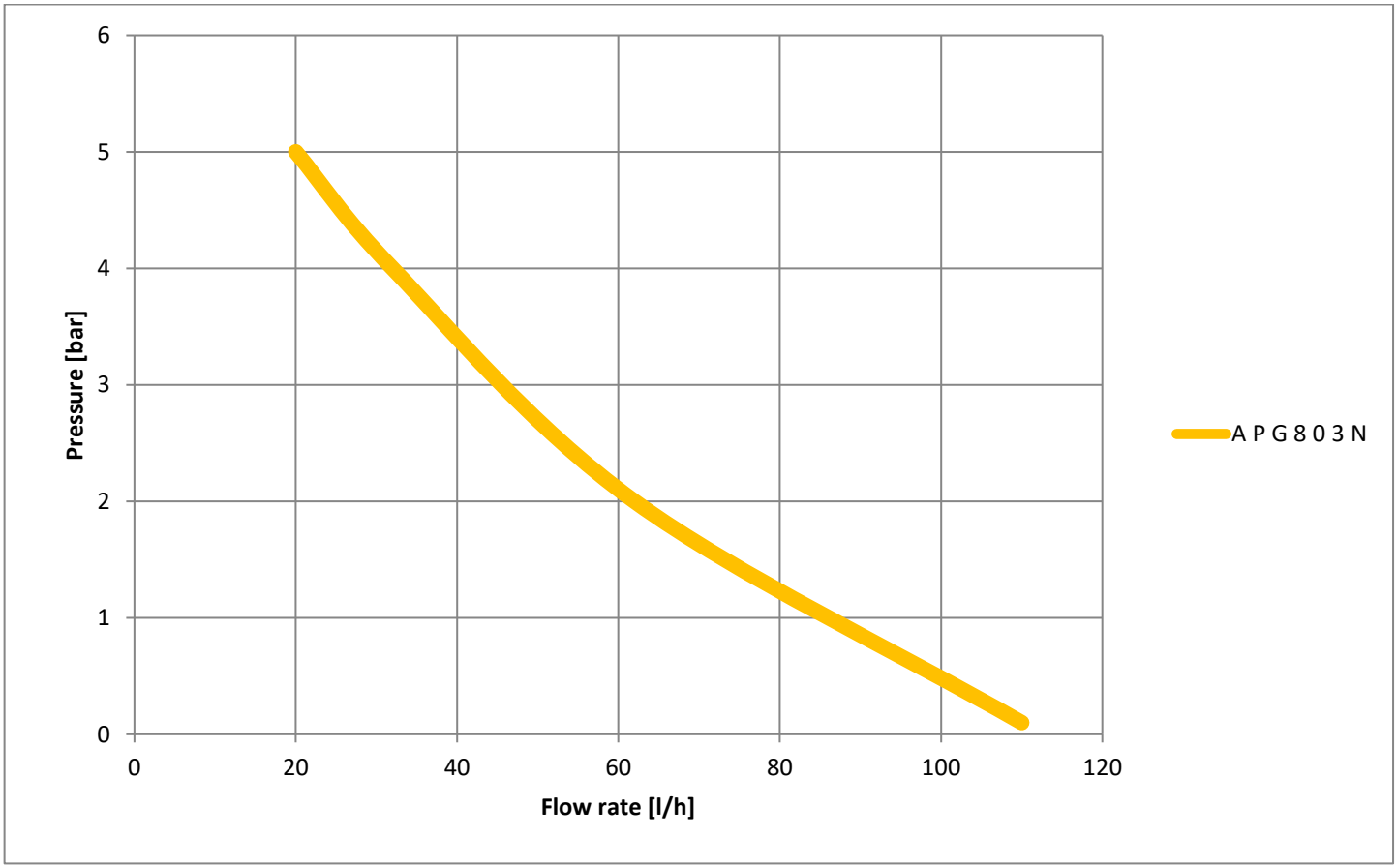
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DOSING PUMP

TEKNA APG Series – Solenoid Dosing Pump

PERFORMANCE





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