

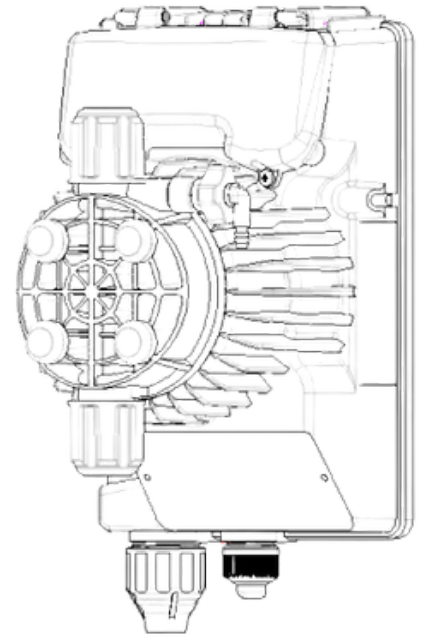


**SEKO DOSING PUMP
AKS SERIES**

TECHNICAL CHARACTERISTICS

Flow rates: from 0.4 to 110 l/h

- **Max back pressure: up to 20 bar**
- **Power supply: 100÷240 Vac - 50/60 Hz**
- **Stroke rate: from 120 to 300 strokes/minute**
- **Pump head: PVDF**
- **Diaphragm: PTFE**
- **External Enclosure: PP reinforced with fiberglass protection degree IP65**
- **Manually priming valve**
- **Installation kit: Included**



The Seko Tekna AKS Series is an analog dosing pump that maintains a constant flow rate. You can manually adjust the flow rate using a knob on the front panel. Additionally, it includes a level control input feature not found in the Tekna AKS model.

The flow rate has two frequency ranges:

- 0÷20 % of max flow rate
- 0÷100% of max flow rate

With only 5 sizes, the pump can achieve a wide range of performances, with a flow rate ranging 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, allowing the pump to operate with various supply voltages. Additionally, the AKL603 model can be powered by 24÷48 Vac. The standard pump head is made of PVDF, ensuring high chemical compatibility with various liquids, but PVC is also available upon request.

All Tekna series come with a manual priming pump for startup. The pump comes with a standard installation kit, comprising a PVDF foot filter, injection valve, PVC suction tube, and PE delivery tube. Additionally, a PVDF-T installation kit is available upon request.

The pump should be installed where the ambient temperature does not exceed 40°C, and the humidity remains below 90%. Avoid placing the pump in direct sunlight or exposed to harsh weather conditions.

KEY CODE

model							
AKS	Constant flow rate manually adjustable.						
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				
600	6	1,5	0,21	120	4 / 7 discharge 4 / 6 suction		
	20	2,5	0,35				
	18	3	0,42				
603	14	4,2	0,58	160	4 / 6		
	8	7	0,97				
	12	4	0,42				
800	10	5	0,52	300	4 / 6		
	8	6	0,63				
	2	8	0,83				
803	16	7	0,38	300	8 / 12		
	10	10	0,55				
	5	15	0,83				
803	1	18	1,00	300	8 / 12		
	5	20	1,11				
	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						
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						
AKS	800	N	H	H	1	0	0

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
AKL500N	20	0,4	120	0,06	4/6	4/7	100+240 Vac	13,0	15,0
	16	0,8		0,11					
	10	1,2		0,17					
	6	1,5		0,21					
AKL600N	20	2,5	120	0,35	4/6	4/7	100+240 Vac	14,0	19,0
	18	3,0		0,42					
	14	4,2		0,58					
	8	7,0		0,97					
AKL603N	12	4,0	160	0,42	4/6	4/6	100+240 Vac	17,0	22,0
	10	5,0		0,52					
	8	6,0		0,63					
	2	8,0		0,83					
AKL800N	16	7,0	300	0,39	4/6	4/6	100+240 Vac	22,0	33,0
	10	10,0		0,56					
	5	15,0		0,83					
	1	18,0		1,00					
AKL803N	5	20,0	300	1,11	8/12	8/12	100+240 Vac	29,0	37,0
	4	32,0		1,78					
	2	62,0		3,44					
	0	110,0		6,11					

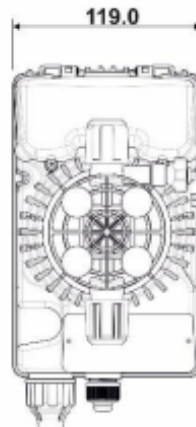
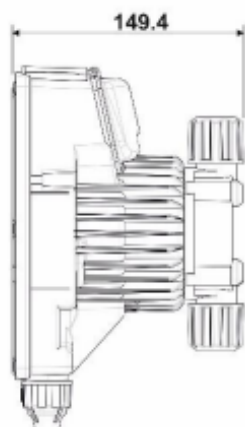
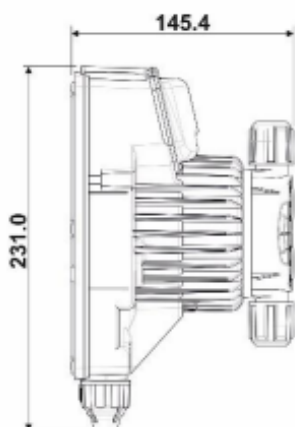
The Pressure Data in the table refer to the measured parameters on the plant, including the use of SEKO STANDARD injection fitting.

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

DIMENSIONS

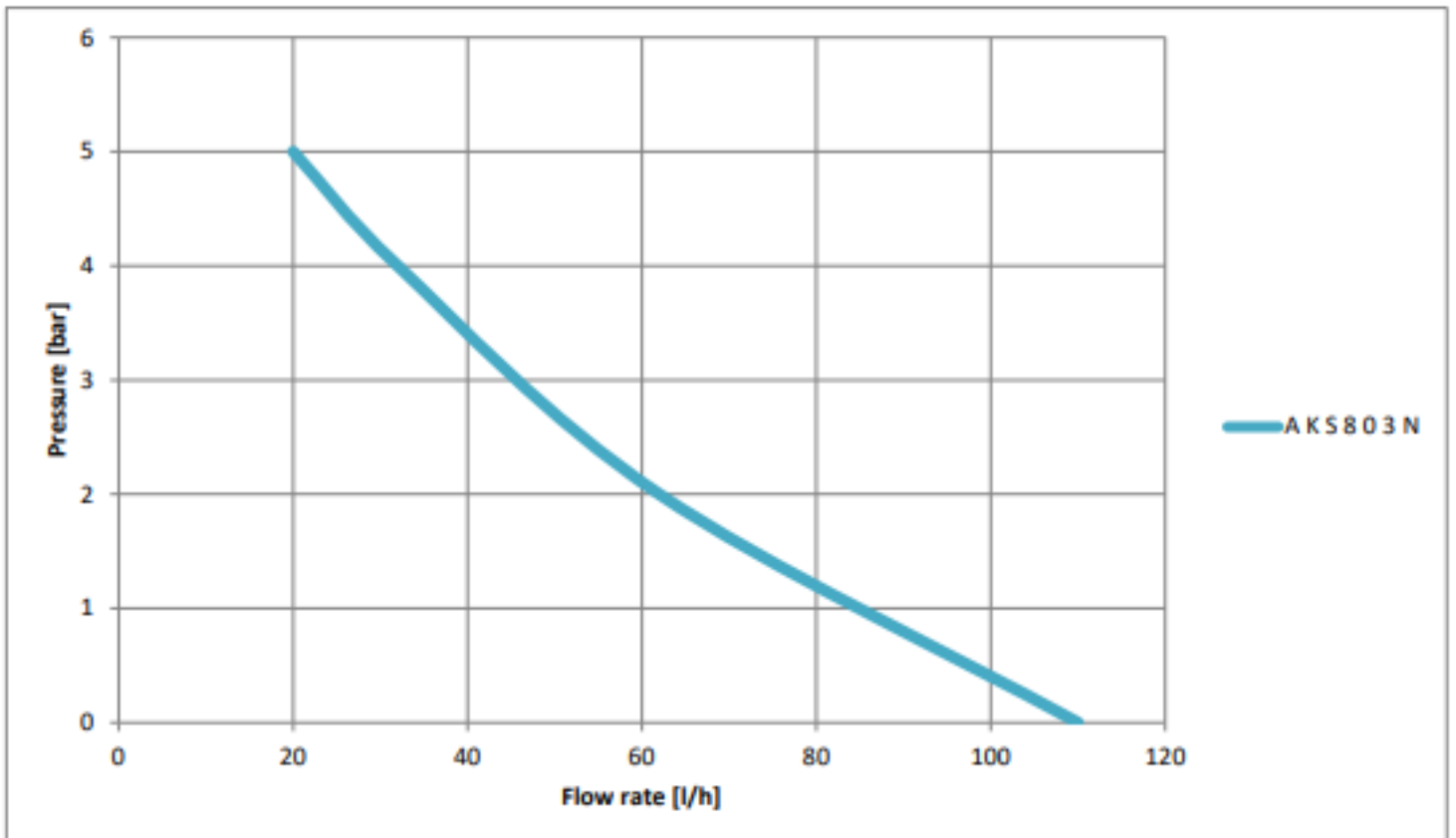
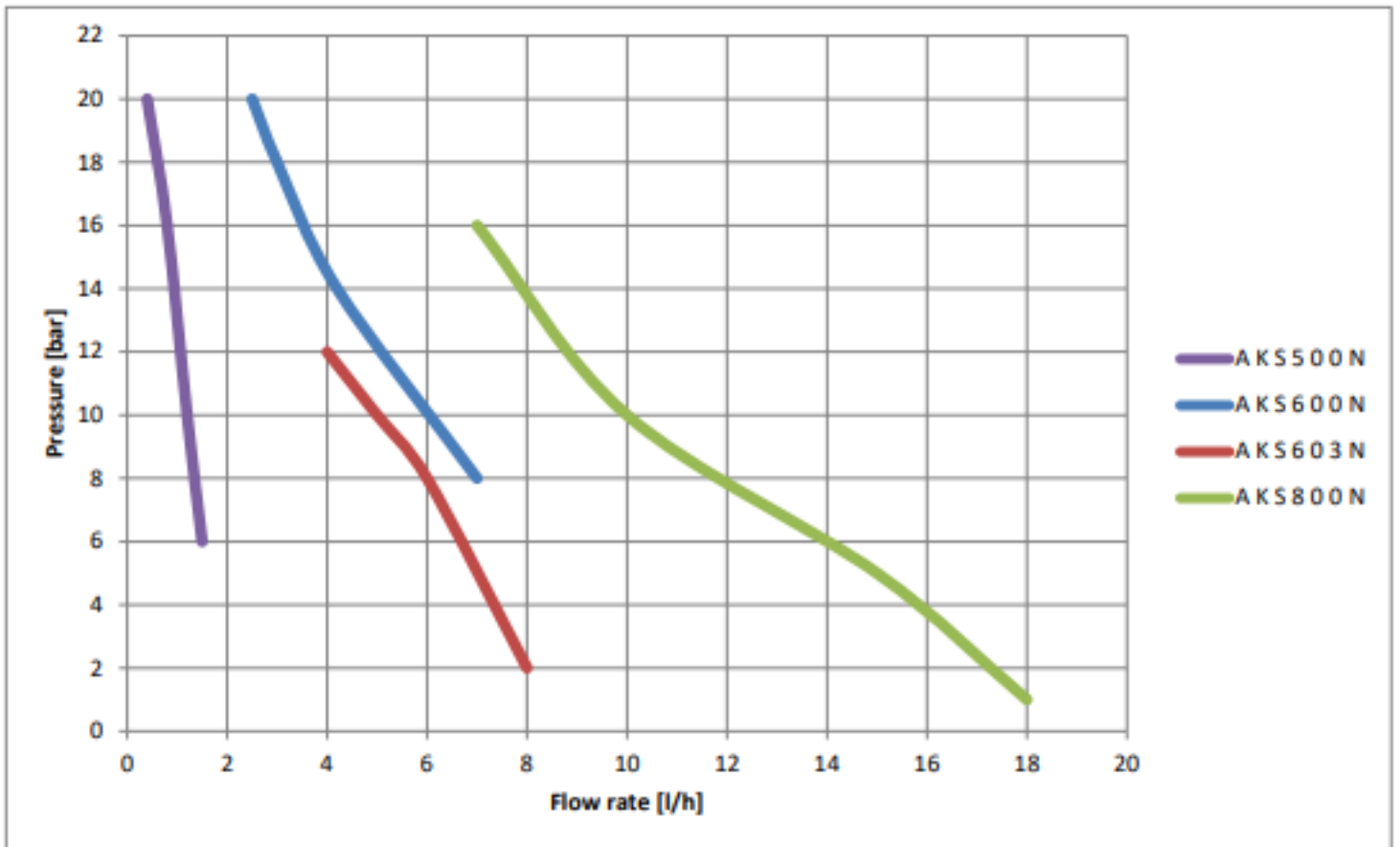
500 - 600 - 603 - 800

803



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

PERFORMANCE CURVE





+27 62 375 5088



+27 65 321 5803



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