

tekna EVO

solenoid dosing pumps



innovation > technology > future

The **evolution** of solenoid dosing pumps

Clever

Just 2 Versions and 3 Models, Just PVDF,
All functions in one pump

2 versions: analogue and digital

3 models that cover 1,06 to 14,27 gph with an output pressure up to 174 psi

1 Casing allows skids to be pre-constructed, as the fixing points remain constant, and the pumps can be selected on confirmation of the dosing flow

Inventory Reduction

Reduce spares stock holding



Compatible

PVDF pump head and ceramic ball valve as standard

PVDF is suitable for almost all chemical used in the Industrial, Waste Water Treatment and potable Water applications

The use of **Ceramic balls** as standard improves the pumping reliability and the chemical compatibility of the whole liquid end

Full chemical compatibility

Reliable

Long life diaphragm tested to give 5 years working life



The advanced design and manufacturing process allows the diaphragm to have a unique life expectancy

Made of pure solid **PTFE**, the diaphragm is compatible with most chemicals

The diaphragm has been tested over a period of 5 years giving superior results

Routine diaphragm replacement is no longer a requirement



Reduced maintenance

Full chemical compatibility

Steady Dosing Performance



Stabilized Multi Power Supply
100 to 240 Vac 50/60 Hz with
reduced consumption

Reduced power consumption as the solenoid only draws the required power to activate the pump, based on the working conditions



Stable dosing performance: improve pump efficiency as performance is not affected by power supply fluctuations

Reduce inventory holding

Intuitive programming

A new concept of programming menu



Programming menu are self explanatory and available in 5 languages

Intelligent Display, once a function is selected the pump will only display the parameters to set, which are linked to the selected function



Reduced programming time

Analogue Version

teknaEVO AKL



- Analog dosing pump with constant flow rate and analog interface
- Flow rate manually adjustable by knob on the front panel, two frequency range (0 to 20% - 0 to 100%), Power-ON led indicator
- Level control input
- Manually priming valve
- PTFE diaphragm. Standard pump head in PVDF
- Case made in PP reinforced with fiber glass. NEMA 4X rated
- Complete standard installation kit composed by: PVDF foot filter and injection valve, PVC suction tube, PE delivery tube
- **Standard power supply**
Multivoltage 100-240 Vac 50-60 Hz



constant dosage with level control input FPM

Digital Version

teknaEVO TPG



Digital interface version; Timer function; Ppm proportional dosing; Statistics; Password; Input On-Off (remote control). Constant flow rate manually adjustable, proportional flow rate according to an external analog (4-20 mA) or digital signal (water meter)

Level control input

Manually priming valve

Fast extractable electric connections protected by a lid

PTFE diaphragm. Standard pump head in PVDF

Case made in PP reinforced with fiber glass. NEMA 4X rated

Complete standard installation kit composed by: PVDF foot filter and injection valve, PVC suction tube, PE delivery tube

Standard power supply

Multivoltage 100-240 Vac 50-60 Hz



proportional dosage with level control input FPM

Code

			Version
Code	Interface	Description	
AKL	Analogue	Analogue dosing pump with constant flow rate manually adjustable	
TPG	Digital	Digital dosing pump with constant flow rate manually adjustable, with proportional flow rate according to an external analog (4 to 20 mA) or digital signal (water meter)	

						Model
Code	Pressure [psi]	Flow rate [gph]	Frequency max [stroke./min]	Stroke capacity [cc/stroke]	Ø Connections IN / OUT [inches]	Consumption [W]
603	174	1,06	160	0,11	0.17" x 1/4"	12,2
	145	1,32		0,14		
	116	1,59		0,17		
	29	2,11		0,22		
800	174	1,85	300	0,10	0.17" x 1/4"	23,9
	145	2,64		0,15		
	72	3,96		0,22		
	15	4,76		0,26		
803	72	5,28	300	0,29	5/16" x 7/16"	22,2
	58	6,61		0,37		
	29	10,57		0,59		
	15	14,27		0,79		

			Power supply
Code			
N	100 to 240 Vac		50-60 Hz

					Pump head material
Code	Pump head	Connections	Balls	Diaphragm	
H	PVDF		Ceramic	PTFE	

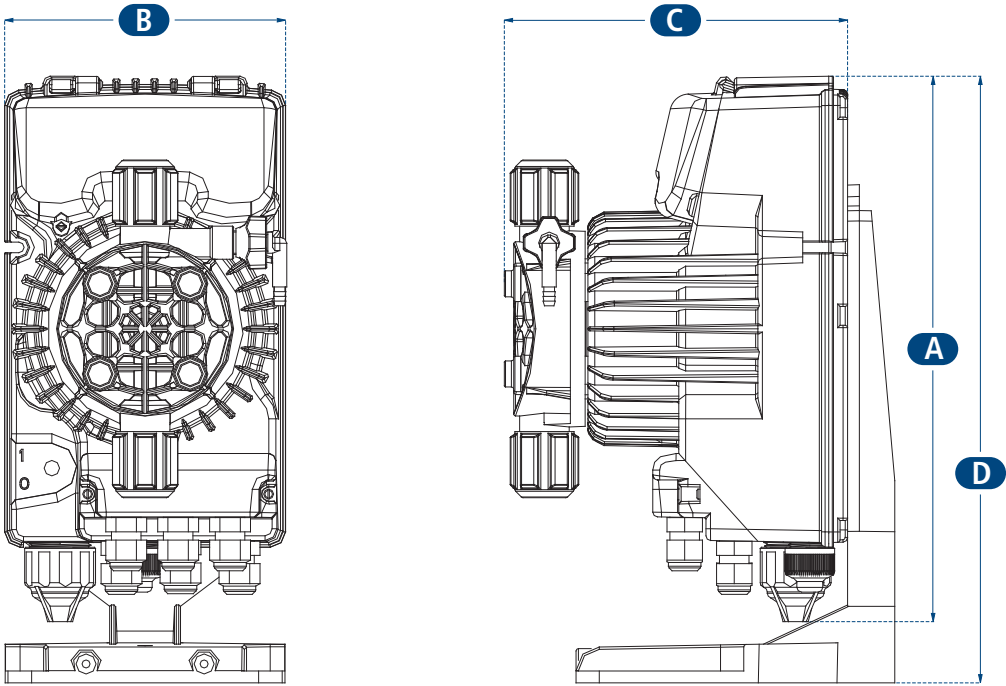
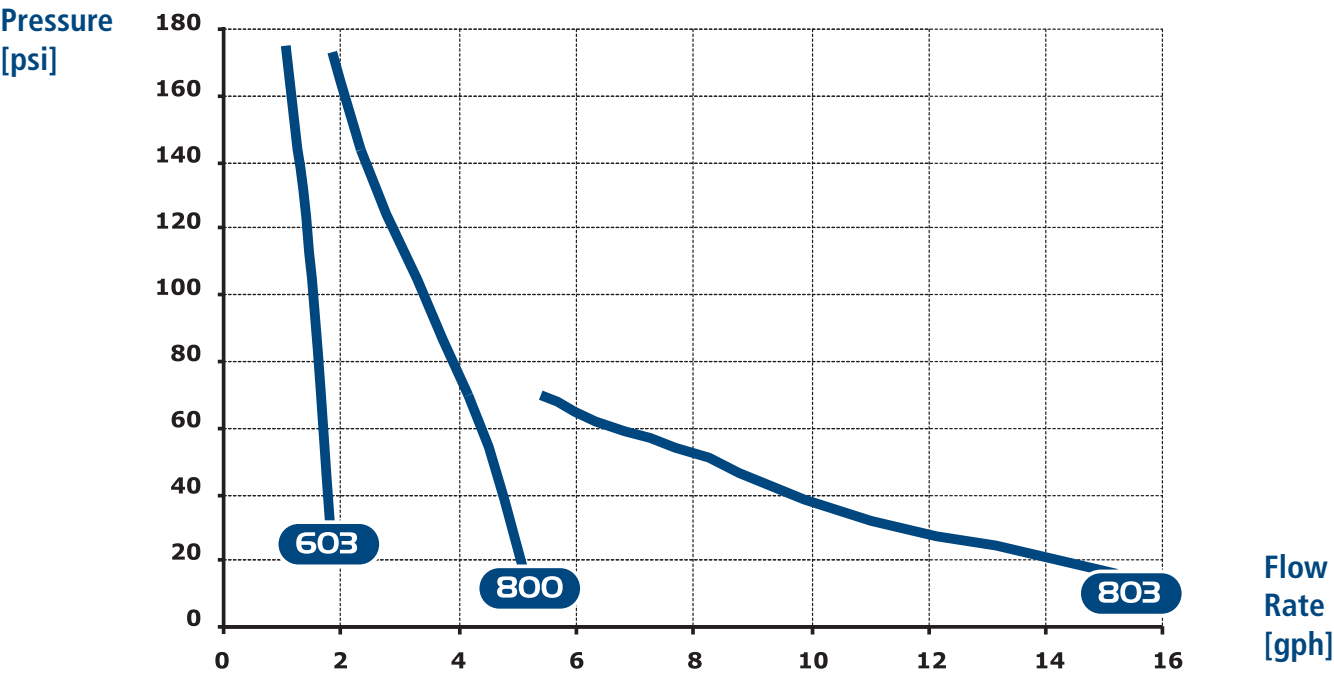
		Installation Kit
Code	Materials	
H	PVDF	

		Seals
Code	Materials	
0	FPM	

		Options
Code	Description	
U00	Standard	

AKL | 603 | N | H | H | 0 | U00

Flow Rate and Dimensional Drawings



Model	A (Height) [inches]	B (Width) [inches]	C (Depth) [inches]	D (Max Height) [inches]
603	9.09"	4.68"	5.71"	10.12"
800			5.87"	
803			5.87"	



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