

### Technical characteristics

- Flow rates: from 0.4 to 54 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

Seko Tekna EVO TPR Series is a digital dosing pump with pH/Redox control meter built in, Its own other features are:

- constant or proportional dosing according the measured pH or Redox value
- PT100 probe input for thermal compensation
- Repetition alarm relay
- Input On-Off for remote control
- 4÷20 mA output for measure transmission

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 54 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 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 TPR 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 PVC, on request.

### PUMP KEY CODE

<b>1°</b>	<b>Model</b>					
TPR	Digital dosing pump with pH/Redox control meter on board. PT100 probe input (thermal compensation). Repetition alarm relay. Input On-Off (remote control). 4-20 mA output for measure relay					
<b>2°</b>	<b>Hydraulic</b>					
	Pressure [bar]	Flow Rate [l/h]	Stroke/min	cc/stroke		
500	20	0.4	120	0.06		
	16	0.8		0.11		
	10	1.2		0.17		
	6	1.5		0.21		
600	20	2.5	120	0.35		
	18	3		0.42		
	14	4.2		0.58		
	8	7		0.97		
603	12	4	160	0.42		
	10	5		0.52		
	8	6		0.53		
	2	8		0.63		
800	16	7	300	0.39		
	10	10		0.55		
	5	15		0.83		
	1	18		1.00		
803	5	20	300	1.11		
	4	25		1.39		
	2	38		2.11		
	0.1	54		3.00		
<b>3°</b>	<b>Power Supply</b>					
N	100÷240 Vac – 50/60 Hz					
<b>4°</b>	<b>Liquid End</b>					
	Pump head	Connections	Balls	Diaphragm		
H	PVDF	PVDF	Ceramic	PTFE	*Automatic degassing valve only for TPR 603 and 800	
P*	PVC	PVC	Ceramic	PTFE		
<b>5°</b>	<b>Installation Kit</b>					
H	PVDF					
P	PVC					
<b>6°</b>	<b>Seals</b>					
0	FPM					
1	EPDM					
2	PTFE					
<b>7°</b>	<b>Options</b>					
000	Standard					

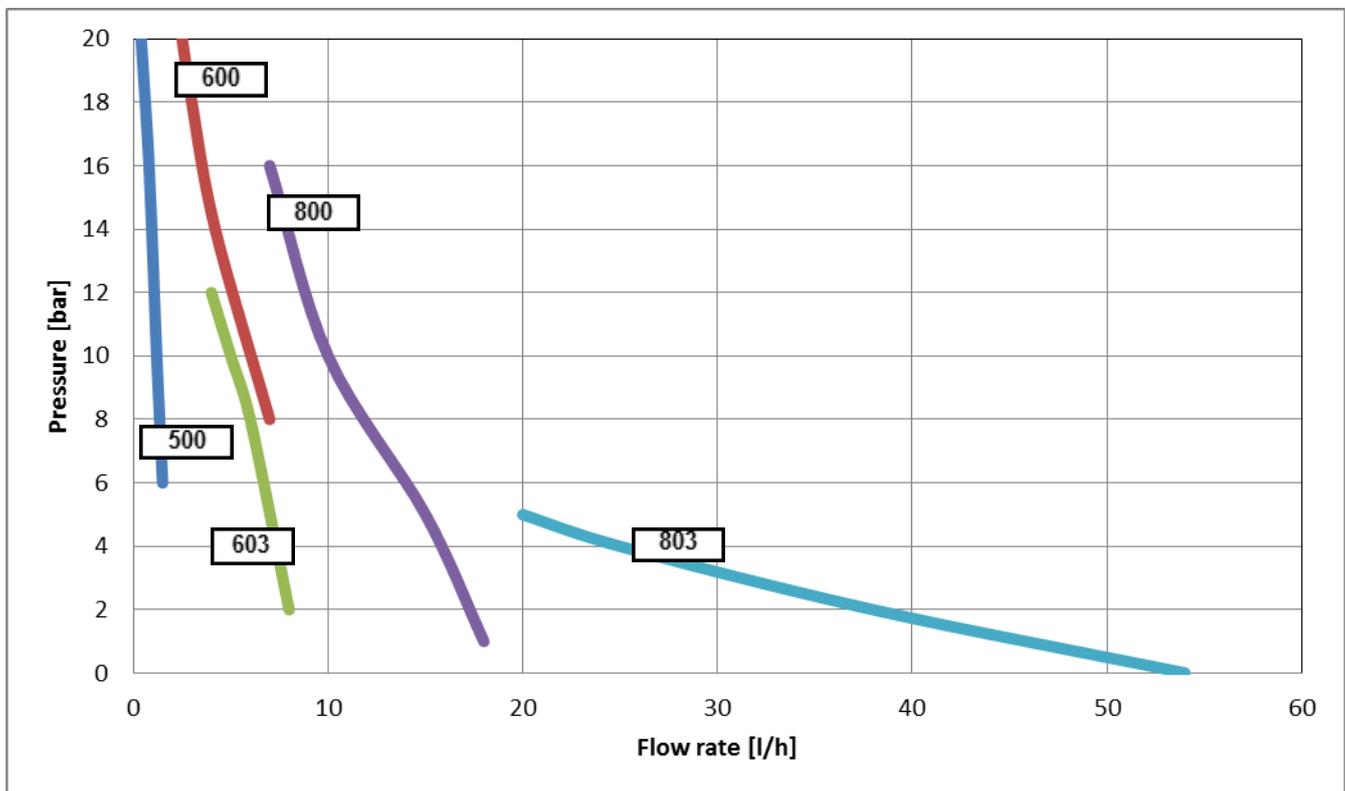
  

<b>TPR</b>	<b>603</b>	<b>N</b>	<b>H</b>	<b>H</b>	<b>0</b>	<b>000</b>
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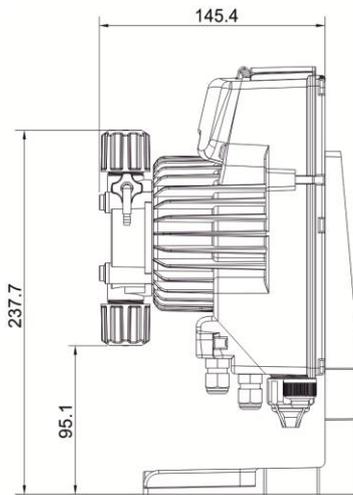
### HYDRAULIC CHARACTERISTICS

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
T P R 5 0 0 N	20	0,4	120	0,06	4/6	4/7	100÷240 Vac	8	14
	16	0,8		0,11					
	10	1,2		0,17					
	6	1,5		0,21					
T P R 6 0 0 N	20	2,5	120	0,35	4/6	4/7	100÷240 Vac	8	15
	18	3		0,42					
	14	4.2		0,58					
	8	7		0,97					
T P R 6 0 3 N	12	4	160	0,42	4/6	4/6	100÷240 Vac	15	18
	10	5		0,52					
	8	6		0,63					
	2	8		0,83					
T P R 8 0 0 N	16	7	300	0,39	4/6	4/6	100÷240 Vac	15	26
	10	10		0,56					
	5	15		0,83					
	1	18		1,00					
T P R 8 0 3 N	5	20	300	1,11	8/12	8/12	100÷240 Vac	15	25
	4	25		1,39					
	2	38		2,11					
	0,1	54		3,00					

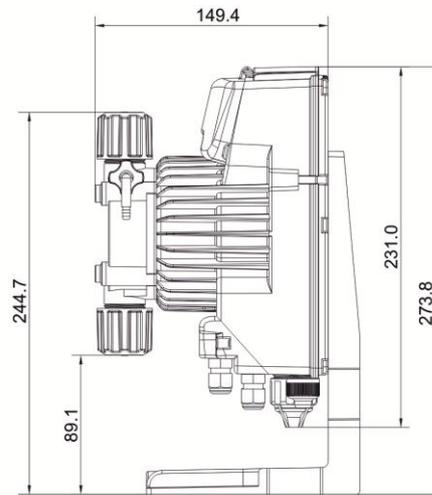
\*Minimum consumption at 0 bar of back pressure (Patented)



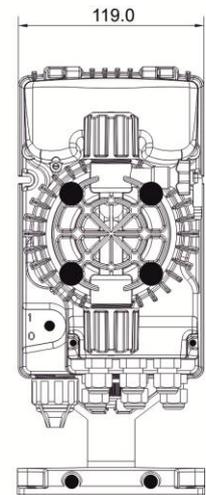
### DIMENSIONS



500 - 600 - 603 - 800



803



500 - 600 - 603 - 800 - 803

### INSTALLATION KIT

#### In PVDF

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

#### In PVC

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