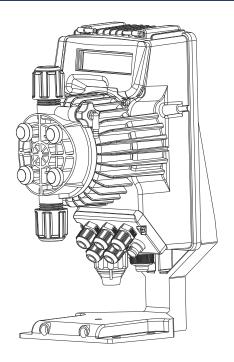
TEKNA TPR Series – Solenoid Dosing Pump



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

- constant or proportional dosing according to 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 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. 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 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.

TEKNA TPR Series – Solenoid Dosing Pump



KEY CODE

model

TPR Constant flow rate manually adjustable. 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. Available with communication via ModBus protocol.

			Pressure		Flow rate	2	Capacity		Frequency	Ø Connections		
	hydrauli	CS	[bar]		[l/h]		[cc/stroke]		[stroke/1']	IN / EXT [mm]		
			20		0,4		0,06					
	500 -		16		0,8		0,11		120	4 / 7 discharge 4 / 6 suction		
	-		10	_	1,2		0,17					
			6		1,5		0,21					
	_		20	_	2,5	_	0,35					
	600 -		18 14		3		0,42		120	4 / 7 discharge		
	-				4,2		0,58		0	4/6 suction		
			8		7		0,97					
	_		12		4		0,42					
	603 -		10		5		0,52		160	4/6		
	- 005		8		6		0,63		100	47.0		
			2		8		0,83					
	_		16		7		0,38					
	800 -		10		10		0,55		300	4/6		
	000		5		15		0,83		300	4/0		
			1		18		1,00					
			5		20		1,11					
	000		4		32		1,78		200	0 / 12		
	803 -		2		62		3,44		300	8/12		
	-		0,1		110		6,11					
		power s	upply									
		Ν		100÷24	0 Vac 50/6	0 Hz						
			liquid e	nd								
			Н		PVDF							
			A		PVDF - a	F - automatic degassing			NOT for 803 hydrauli			
			I		SS316L							
				installa	ation kit							
				Н		PVDF						
				Р		PVDF-T						
				X		with 1,5	bar injection	on valve				
				0	0 WITHOUT kit					only for SS316L liquid end		
					seals					<u> </u>		
					0		FKM-B					
					1		EPDM					
					2		PTFE					
					3		FFKM		NOT for 803 hyd	raulic - kit with PTFE seals		
						optiona	al		,			
						0		dard				
							optional / customi		ization			
							00					
									tandard			
ΓPR	800	N	Α	Н	0	0	00					

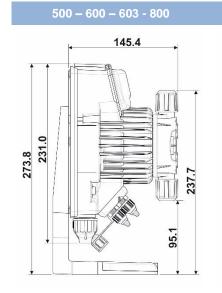
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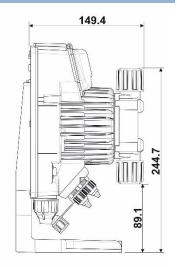


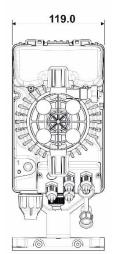
HYDRAULIC CHARACTERISTICS

Pump model	Pressure	Flow Rate	Frequency max	Stroke capacity	Connection [mm]		Power supply	Consumption [W]	
	[bar]	[l/h]	[stroke/min]	[cc/stroke]	Suction	Discharge		Min	Max
	20	0,4	120	0,06	4/6	4/7	100÷240 Vac	-	-
TPR500N	16	0,8		0,11					
TERSOON	10	1,2		0,17					
	6	1,5		0,21					
	20	2,5	120	0,35	4/6	4/7	100÷240 Vac	14,0	20,0
TPR600N	18	3,0		0,42					
11 100011	14	4,2	120	0,58					
	8	7,0		0,97					
	12	4,0	160	0,42	4/6	4/6	100÷240 Vac	15,0	22,0
TPR603N	10	5,0		0,52					
	8	6,0		0,63					
	2	8,0		0,83					
	16	7,0	300	0,39	4/6	4/6	100÷240 Vac	22,0	36,0
TPR800N	10	10,0		0,56					
	5	15,0		0,83					
	1	18,0		1,00					
	5	20,0	300	1,11	8/12	8/12	100÷240 Vac	-	-
TPR803N	4	32,0		1,78					
	2	62,0		3,44					
	0,1	110,0		6,11					

DIMENSIONS







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

TEKNA TPR Series – Solenoid Dosing Pump



PERFORMANCE

