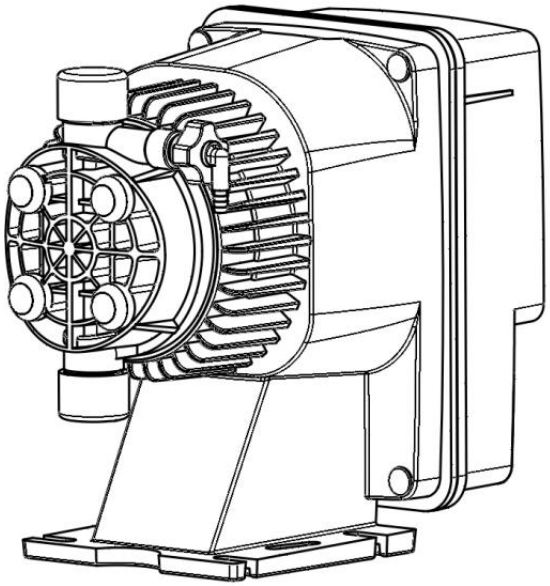
DOSING PUMP

TEKBA EMR SERIES – Solenoid Dosing Pump

TECHNICAL CHARACTERISTICS



- Flow rates: from 2.5 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 fiber glass protection degree IP65
- Manually priming valve
- External connectors for all signal inputs

Seko Tekba EMR Series is a digital dosing pump with constant flow rate, which is manually adjustable by a keyboard (frequency) mounted on the rear panel, and proportional dosing according the measured pH or Redox value.

- pH proportional dosing
- ORP proportional dosing
- Alarm relay
- 4÷20 mA output
- Input On-Off (remote control)

With only 4 sizes this pump can cover a wide range of performances, having a flow rate range from 2.5 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. Also, Tekba EMR Series is equipped with a manually priming pump for the start up. All the Tekba pumps use convenient connectors external to the pump for signal input, in order to avoid opening the pump to making connections.

The pump is furnished with a complete standard installation kit, which includes: PVDF foot filter and injection valve, PVC suction and bleed tube, PVDF delivery tube.

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

TEKBA EMR SERIES – Solenoid Dosing Pump

KEY CODE

model

EMR — Digital 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 WiFi on board or ModBus protocol.

hydraulics	*Pressure* [bar]	*Flow rate* [l/h]	*Capacity* [cc/stroke]	*Frequency* [stroke/1']	*Ø Connections* IN / EXT [mm]
600	20	2,5	0,35	120	4 / 6
	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 / 10
	4	32	1,78		
	2	62	3,44		
	0,1	110	6,11		

stroke length regulation

N — NO mechanical regulation

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	
0	WITHOUT kit	***only for SS316L liquid end***

seals

0	FKM-B	
1	EPDM	
2	PTFE	
3	FFKM	***NOT for 803 hydraulic - EPDM kit***

optional/colour

00 — *electronic* - ***hydraulic***

optional/customization

W0	WiFi
M0	ModBus

EMR	800	N	N	H	H	0	00	M0

Technical data can be changed without notice.

DOSING PUMP

TEKBA EMR SERIES – Solenoid Dosing Pump

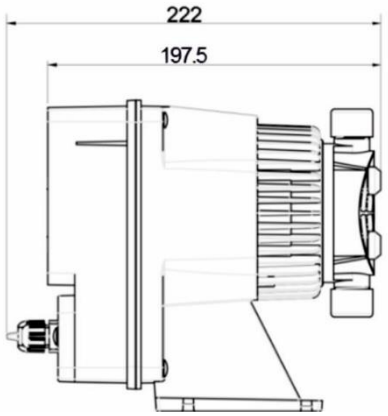
HYDRAULIC CHARACTERISTICS

Pump Model	Pressure [bar]	Flow Rate [l/h]	Frequency max [str./min]	Stroke capacity [cc/str.]	Connection [mm]		Power supply [Vac]	Consumption [W]	
					Suction	Discharge		Min	Max
EMR600N	20 18 14 8	2,5 3,0 4,2 7,0	120	0,35 0,42 0,58 0,97	*4/6*	*4/6*	100÷240	14,0	19,0
EMR603N	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	17,0	22,0
EMR800N	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	22,0	33,0
EMR803N	5 4 2 0,1	20,0 32,0 62,0 110,0	300	1,11 1,78 3,44 6,11	8/10	8/10	100÷240	29,0	37,0

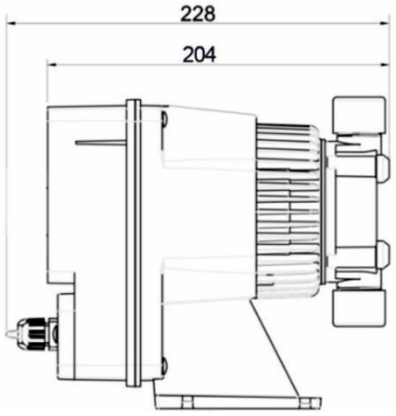
**** Pressure Data in the table refer to the measured parameters on the plant, including the use of SEKO STANDARD injection fitting.***

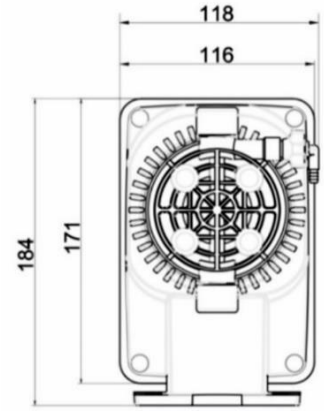
DIMENSIONS

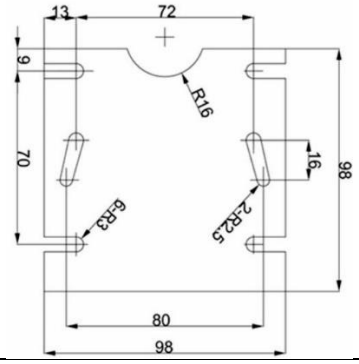
600 – 603 - 800



803







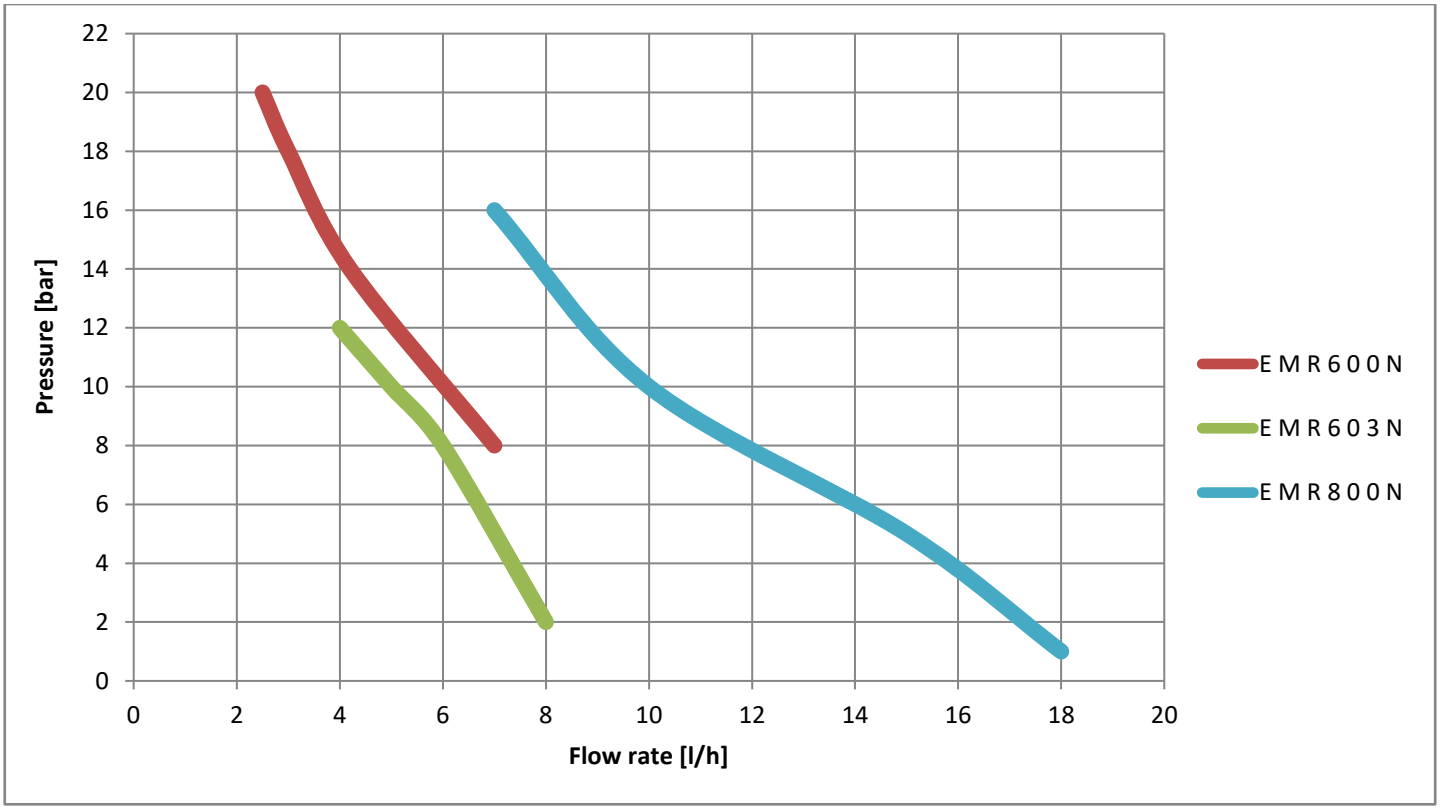
INSTALLATION KIT	PVDF
foot filter	●
injection valve	●
PVC suction / purge tube	4 mt
PVDF delivery tube	2 mt
Wall fixing bracket	*optional*

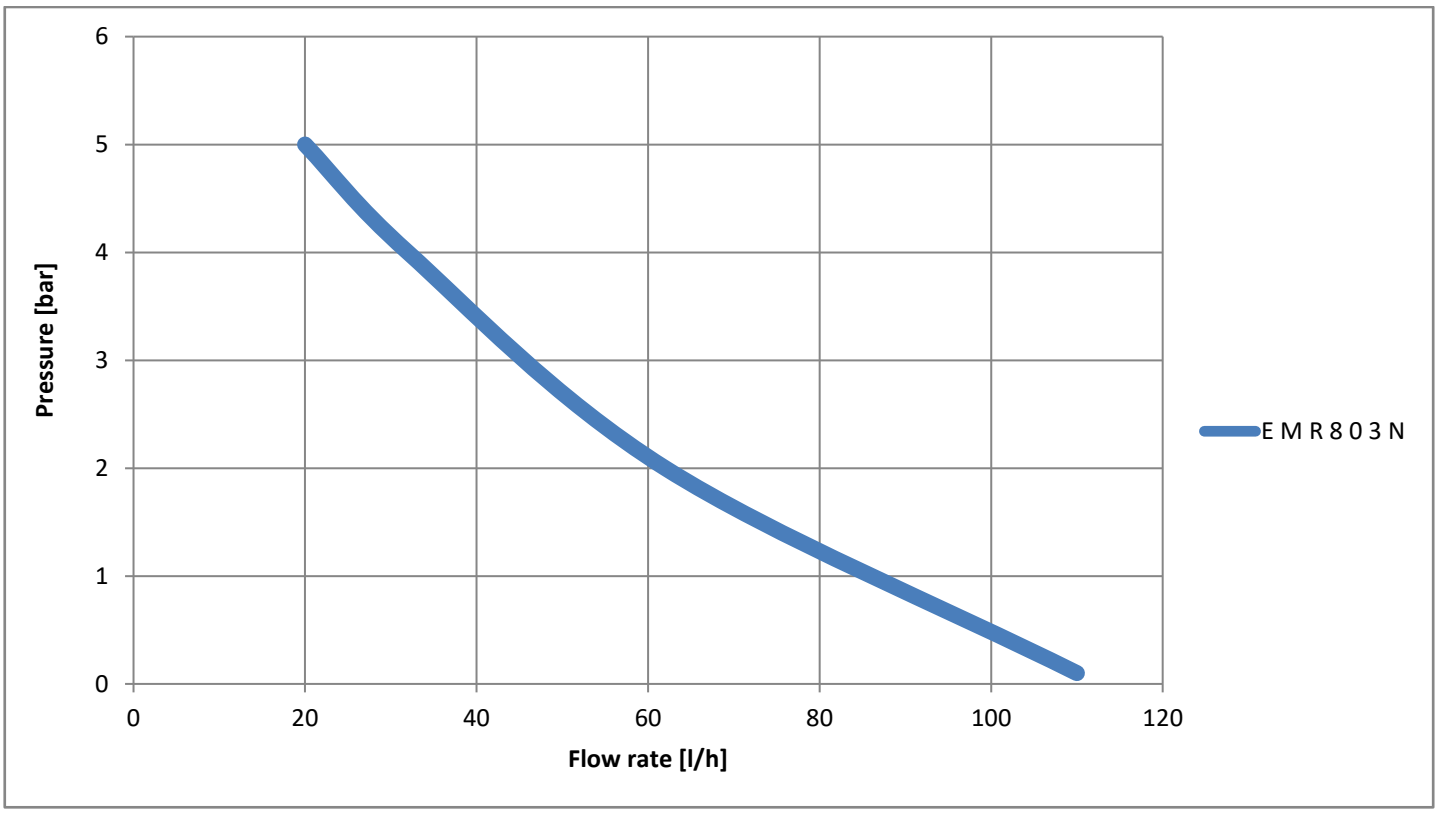
Technical data can be changed without notice.
TD_Tekba _EMR_Series_rev.2.0

DOSING PUMP

TEKBA EMR SERIES – Solenoid Dosing Pump

PERFORMANCE





Technical data can be changed without notice.