

Water Treatment



NIKE.STEP

PERISTALTIC METERING PUMP DRIVEN BY A STEPPER MOTOR



Main characteristics

ACCURATE DOSING

- Equipped with stepper motor
- Performance up to 25 l / h (6,6043 gal / h) and 4 bar (58,0151 psi)
- Specific firmware for micro dosing
- Suitable for dosing gas producing chemicals

STEPPER MOTOR

- accurate, reliable and ultra-quiet <35 db - direct coupling

PERISTALTIC TUBES

- Wide range of special tubing for specific applications

POWER SUPPLY

- 100/240vac 50/60Hz

CERTIFICATION

- UL ETL

Water Treatment



3 MODELS AVAILABLE

1. FULL MODE (6 different configurations)

Manual, mA, PPM, 1:N, N:1, Batch

DELIVERY RATE		MINIMUM DELIVERY RATE		NOMINAL PRESSURE		PERISTALTIC TUBE	MODELS	INSTALLATION KIT
l/h	gph	ml/h	gph	bar	psi			
10	2,64	10 ml/h	0.00264	2 bar	29.007	Pharmed	NIKE 50 FM10 FULL MODE	no
2	0,53	2 ml/h	0.00053	3 bar	43.511	B wall	NIKE 50 FM02 FULL MODE	no
15	3,96	15 ml/h	0.00396	0.1 bar	1.4503	Santoprene	NIKE 50 FM15 FULL MODE	no
25	6,6	25 ml/h	0.0066	0.1 bar	1.4503	EPDM	NIKE 50 FM25 FULL MODE	no
4	1,06	4 ml/h	0.00106	4 bar	58.015	Santoprene	NKS.SV FM HP HIGH PRESSURE	Yes

2. CONDUCTIVITY MODEL (COOLING TOWER)

NIKE CR pump has an integrated conductivity controller with 2 different configurations:

- Range 100 to 15 mS with 1% accuracy
- Conductivity probe K1 (C1) (probe not included)
- Blowdown action by Conductivity feedback measure and proportional antiscalant dosing

DELIVERY RATE		MINIMUM DELIVERY RATE		NOMINAL PRESSURE		TUBING	MODEL	Installation kit
l/h	gph	ml/h	gph	bar	psi			
10	2,64	10 ml/h	0.00264	2 bar	29.007	Pharmed	NIKE 50 CR10 CONDUCTIVITY	no

Water Treatment



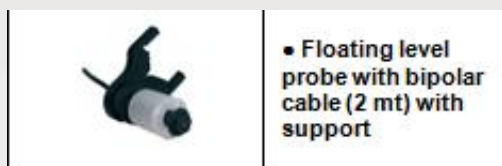
3. PH REDOX MODEL

- Full range model 0-14Ph +/-1000mv
- Galvanic Insulation

DELIVERY RATE		MINIMUM DELIVERY RATE		NOMINAL PRESSURE		TUBING	MODELS	Installation kit
l/h	gph	ml/h	gph	bar	psi			
2	0,53	2 ml/h	0.00053	3 bar	43.511	B wall	NKS.SV FM PR PH REDOX	yes

ACCESSORIES

- For all models



- For conductivity model



DRY DIAL FLOW METER

- Single-jet water meters with pulse sender, dry dial and roller reading



PP CONDUCTIVITY SENSORS

- Temperature sensor integrated

- For pH/Rx model



REDOX PROBE

- glass or plastic body ± 1000 mV 60° 6 bar



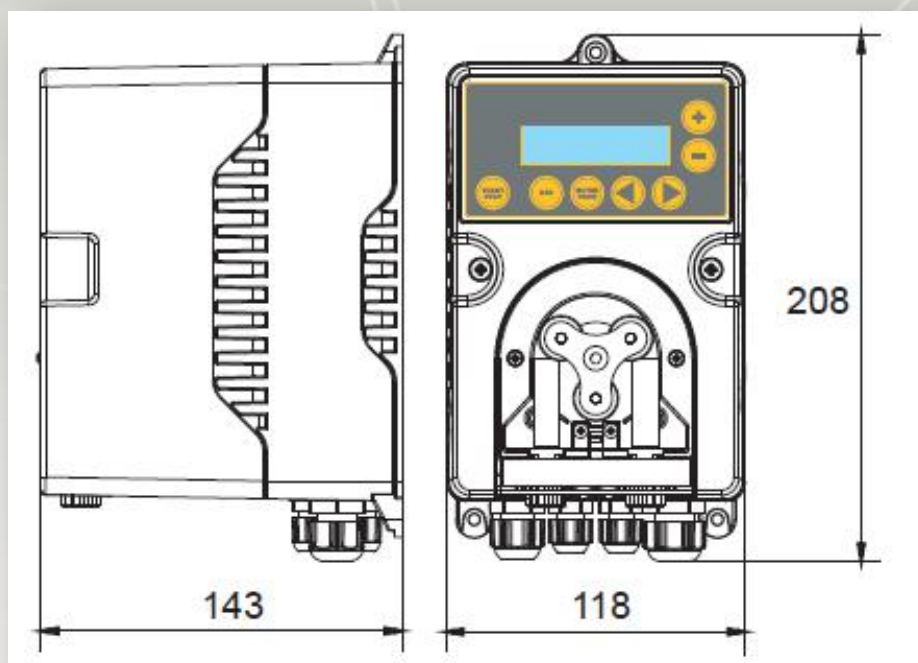
PH PROBE

- glass or plastic body 0/14ph 60° 6 bar

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Dimensional drawings



Installation kit



Nike Step Cooling Tower



PERISTALTIC DOSING PUMP WITH STEPPER MOTOR

Reliable and user friendly.

Nike Step Cooling Tower



MAIN FEATURES

The Nike Step Dosing pump with EC Control Instrument has two main functions:

- Open and close drain valve (Blow down function) by two conductivity set points
- Proportional dosing according to dry contact signals from water meter



FIELD OF USE

Proportional dosing works to solve most important typical problems of cooling towers:

- SCALE: presence of minerals in the water
- CORROSION: Typical effect of water in contact with metal tubes
- FOULING: Water contamination due to effects of inlet air
- BACTERIA CONTAMINATION: due to microbiological growth of water

SPECIFICATIONS

- Conductivity measure range: 0÷15 mS ($\pm 0,1$ mS Accuracy)
- Relay 250V 8A (Dry contact) open/close drain valve
- Power Supply 100÷240 Vac
- Frequency input signal
- Proportional dosing flowrate 10 L/H at 2 Bar
- Peristaltic Tube PharMED
- Tube failure alarm
- IP65 Enclosure box

ACCESSORIES

- Optional accessories
- Flow sensor Input pulse signal
 - Conductivity probe
 - Solenoid valve
 - Level probe

Nike Step Cooling Tower



ACCESSORIES



Flow sensor Input pulse
Signal
(on demand)



Conductivity probe
(temperature sensor included)
(on demand)



By Realys (dry contact)
Drain Cooling tower function

(solenoid valve on demand)



Level probe
(on demand)

Nike Step Cooling Tower



DIMENSIONS

