

Series R

MicroTron Relay Output
Chemical Metering Pump

Pump and Controller Together In One Unit



Key Features

- Microprocessor Controlled
- Control Relay Output
- NEMA 4X Style Enclosure
- Splash Cover Over Controls
- Guided Double Ball Checks
- LED Indicating Lights
- LCD Backlit Display
- Widest Turn Down Capability
- Thermal Overload Protection
- Priming Valve Standard

Application

MicroTron Series R pumps combine chemical metering and a control relay output function in one simple unit. The Model R pump controller combination provides the lowest cost package system for a wide variety of water treatment applications.

Model R pumps may be ordered in the following configurations:

- **Conductivity Control**
- **Conductivity Control with Feed Timer**
- **Conductivity Control with Biocide Timer**
- **Dual Pulse Timers**
- **Dual 28-day Biocide Timers**
- **Dual Sequential Percent Timers**

Build a Model

Model R_____ - _____

Build your model number by selecting one code from each step. Example: RD30X1-KVC1

STEP 1RELAY CONTROL FUNCTION

- C** = Conductivity Feed and Bleed
- D** = Conductivity Bleed with Selectable Feed Timer
- T** = Dual Selectable Timers (Pulse, %, 28-Day)

STEP 2OUTPUT (MAXIMUM)

- 15** = 15 GPD / 2.37 LPH at 150 PSI (10.3 bar)
- 30** = 30 GPD / 4.70 LPH at 110 PSI (7.5 bar)
- 45** = 45 GPD / 7.09 LPH at 75 PSI (5.1 bar)
- 17** = 17 GPD / 2.60 LPH at 200 PSI (17.2 bar)

STEP 3STOP FUNCTION

- X** = Standard
- D** = Auto Stop Input with 8' Cord
- E** = Flow Switch Assembly with 8' Cord
- G** = Flow Switch Only with 8' Cord

STEP 4VOLTAGE

- 1** = 120 Volt USA Plug
- 2** = 240 Volt
- 3** = 240 Volt Specified Plug

STEP 5HEAD MATERIAL

- K** = Kynar
- M** = Kynar head w/ SS valve bodies¹
- S** = Stainless¹

STEP 6SEAT MATERIAL

- V** = Viton
- F** = Teflon
- H** = Hypalon

STEP 7CHECK BALL

- C** = Ceramic
- D** = Ceramic/single on discharge (pressure relief)
- S** = Stainless

STEP 8CONNECTIONS²

- 1** = $\frac{3}{8}$ " (9.525 mm) tubing rated to 200 PSI
- 2** = $\frac{1}{4}$ " (6.35 mm) tubing rated to 300 PSI
- P** = $\frac{1}{4}$ " (6.35 mm) MNPT Connections
- U** = $\frac{3}{8}$ " black UV tubing rated to 200 PSI
- V** = $\frac{3}{8}$ " tubing rated to 200 PSI, clear suction

For other options, see Price List or consult factory.

Notes: 1. M & S head material selections must have the P connection option and do not include a foot and injection valve or tubing.

2. Tubing selection may impact pump rating.

Get the Advantage

Specifications

Electrical

- **Input:** 120 VAC or 250 VAC @ 50/60 Hz
- **Output:** Relay rated to 5 amp

Operational

- **Display:** 16 character LCD backlit
- **Stroke length:** Manual adjustment
- **Speed frequency:** 1 to 7500 strokes/hour
- **Conductivity scale:** 0-5,000 μ S
- **Accuracy:** +/- 1% of scale

Optional Timers

- **Pulse:** 0-10 min, 0-59 sec w/ accumulator
- **Limit:** 0-90 minutes
- **Post Bleed:** 0-99% w/ limit (RD only)
- **Percent:** 0-99% of 10-30 minutes
- **Biocide:** 28-Day

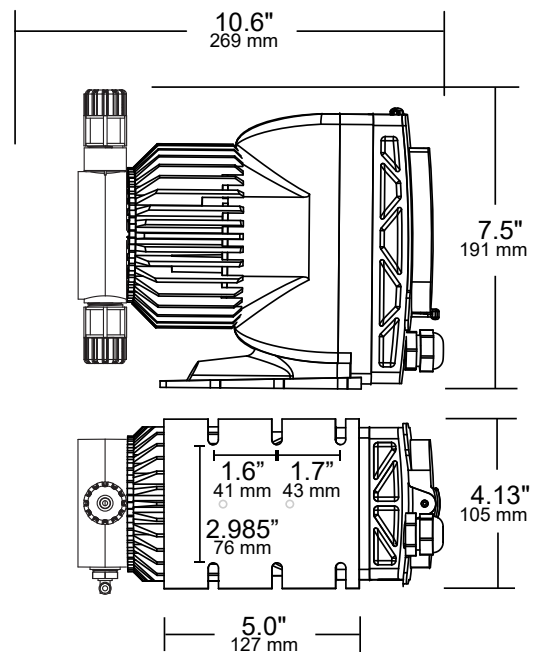
Enclosure

Heavy duty NEMA 4X style high impact thermoplastic with clear lexan cover.

Environment

- Max temperature 140°F (60°C)
- Relative humidity 0 to 100%

Shipping Weight: Approx. 10 lbs. (4.536 kg)



Kynar Head Shown