LEGiomix®
ELECTRONIC MIXING VALVE

PRODUCT FEATURES

- **Market’s highest rated flow capacity:**
  DZR low-lead brass body, full-port ball valve, 1” to 2” union connections, 94 to 215 gpm flow rates.

- **Thermal disinfection programs:**
  Calendar based programs for scheduling circuit thermal disinfection to kill Legionella.

- **Complete kit:**
  Everything needed for quick installation, including valve, actuator, LCD/LED controller, mix outlet sensor and return temperature sensor.

- **Self cleaning:**
  Automatic daily ball rotation to flush scale and debris, ensuring smooth operation.

- **Precise control:**
  Precise temperature control over very low and very high flow rate demand, minimal pressure drop with ball control element.

- **BAS-ready:**
  Integral Modbus is standard with an optional Modbus-BACnet gateway for remote access to building automation integration.

**Advanced Mixing Control**

LEGiomix® is an advanced electronic mixing valve with digital control of temperature for commercial domestic hot water systems. The daily exercise function keeps the ball valve free of scale build-up to ensure smooth operation. Rated highest in the market for flow capacity, this feature packed product also has an industry exclusive calendar-based scheduling program for automatic circuit thermal disinfection.
### PRODUCT RANGE - LEGIOMIX®

<table>
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<tr>
<th>SIZES</th>
<th>Cv</th>
<th>MIN. FLOW* (GPM)</th>
<th>MAX. FLOW** (GPM)</th>
<th>CODE</th>
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<td>215</td>
<td>600094A 600099A</td>
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</table>

*To ensure stable operation and accurate temperature control. Minimum flow is 0 gpm when recirculation flow rate is ≥ the valve size minimum flow rating.
**Maximum recommended differential pressure is 20 psid for smooth and quite operation.

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### PACKAGE CONTENTS

1) LEGIOMIX® digital controller
2) Mixing valve
3) Mixing valve 24 V 3-wire floating actuator
4) Mixed outlet water temperature sensor
5) Return water (recirculation) temperature strap-on sensor
6) Mixed outlet water temperature gauge
7) Actuator mounting clip

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### PERFORMANCE

- MAX. OPERATING PRESSURE: 150 psi (10 bar)
- SETTING TEMPERATURE RANGE: 70 — 185°F (20-85°C)
- DISINFECTION TEMP. RANGE: 100 — 185°F (40-85°C)
- MAX. HOT WATER INLET TEMP.: 212°F (100°C)

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### EXAMPLE APPLICATION DIAGRAM

- **WIRING DIAGRAM**
  - **RELAY 1, 2, 3, 4**
  - **24 V FLOATING CONTROL**
  - **MIXED OUTLET WATER TEMPERATURE SENSOR**
  - **RETURN WATER TEMPERATURE STRAP-ON SENSOR**
  - **OPTIONAL MODBUS/BACKNET GATEWAY**
  - **24 VAC 485 MODBUS 2-WIRE COMMUNICATION**

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