Water Temperature Control - Point of Use

Digital

Rada Digital Faucet MX1-20

Rada Digital Faucet MX1-20 delivers The Brain® DRV digital water temperature control technology and performance micro sized in a self-contained Point of Use fixture. Touchless flow activation and temperature control impedes infection transfer.

Digital technology provides enhanced water temperature control with innovative bacterial resistant internal design. A full range of configurable temperature and flow parameters via Bluetooth® BLE connectivity with the mobile app. Optional integration with The Brain® for complete domestic hot water system monitoring and temperature control.
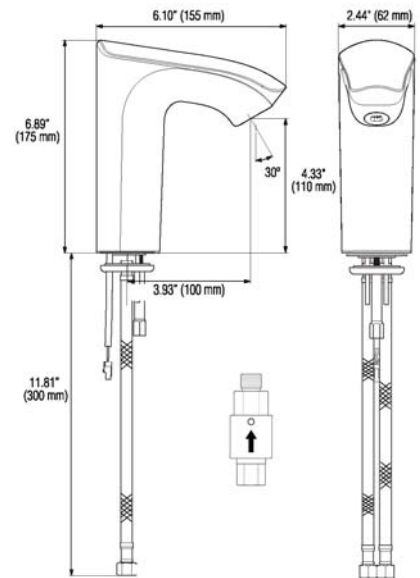
Operational Specifications

- Field adjustable via Bluetooth® connectivity with the SAGE® mobile app
- +/-2°F water temperature control
- Programmable set point range of 91.4-113°F (33-45°C) by resident BAS or SAGE® mobile app for monitoring and adjustment
- Programmable thermal disinfection range of 140-176°F (60-80°C)
- Automatic safe closure of hot water inlet in response to: inlet supply failure, 110V power failure, or programmable high temperature error
- Programmable automatic fixture flush to evacuate stagnant water
- Touchless flow activation and temperature control with dynamic feedback
- Programmable thermal remediation/disinfection

Technical Specifications

- 100-240V 1A AC, 12V 1A DC
- IP X4 Rated
- 100% of water evacuated per flow cycle
- 95% Engineered Metallics - minimal use of elastomer seals
- Lead Free compliant
- PEX lined supply hoses
- Copper lined smooth bore laminar flow outlet
- Maximum inlet HW supply temperature 176^{0}F (80^{0}C)
- Energy efficient 1.5GPM (5.7LPM) flow rate; Programmable from 1-2.2GPM (3.8-8.3LPM)
- Certified to ASSE 1070, cUPC, UL1951, UL1310, CAN/CSA C22.2 No. 223, FCC Part 16, NSF 61, NSF 372 (conforms to ASME B112.18.1/CSA B125.1), WaterSense®, DOE Energy Policy Act 1992, ADA, ICC/ANSI A117.1, CSA B651, OBC
- Operational water pressure 145psig (10barg) maximum; 14psig (1barg) minimum
- Bluetooth® (BLE) enabled for direct communication with the MX1-20 via the SAGE® mobile app status dashboard and programming
- Shipping weight 4.8 lbs (2.2 kg)

Connectivity

SAGE® mobile app allows for Bluetooth (BLE) communications with the MX1-20, and SAGE® to Cloud communications if optional mobile connectivity subscription is activated

Add SAGE® (BS) for enhanced communications to systems which operate on Modbus TCP, BACnet™, or LonWorks™ protocols. Mobile Connectivity may be enabled by a customer activated no-term subscription.

Mobile Connectivity features smart hot water system dashboard monitoring, secure remote programming, multi-location view, temperature and system diagnostic alerts, with unlimited digital documentation and automated report generation.

For a submittal drawing, refer to D126260

Point of Use - Digital (GPM and PSIG)				
Model MX1-20	**Pressure Drop (PSIG)**			
	5	10	40	70
GPM	0.50	0.92	1.00	1.05

Point of Use - Digital (LPM and BARG)				
Model MX1-20	**Pressure Drop (BARG)**			
	0.35	0.7	2.7	4.8
LPM	1.90	3.50	3.80	3.90