**Tech Data**

**Viega Hydronic Mixing Block**

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Viega products are designed to be installed by licensed and trained plumbing and mechanical professionals who are familiar with Viega products and their installation. **Installation by non-professionals may void Viega LLC’s warranty.**

**Description**

The Hydronic Mixing Block is a mixing device and boiler control, with a built in circulator and system controller. The block can provide either a fixed or reset water temperature via start/stop or constant fluid circulation.

**WARNING!** Only suitably qualified individuals with formal training in electrical and HVAC controls should attempt the installation of this equipment. Incorrect wiring and installation will affect the warranty provided with this unit. Wiring must be completed in accordance with the codes and practices applicable to the jurisdiction for the actual installation.

**WARNING!** The Hydronic Mixing Block is a microprocessor based controller and as such is not to be regarded as a safety (limit) control. Please consult and install the heating or cooling appliance in accordance with the manufacturer’s recommendations.

**Warning!!**

**Wiring Terminal Block**
- **Pressure/Temperature Sensor**
- **Delivery Fitting (3)**
- **¾” Solder Connection**
- **Return Fitting (2)**
- **½” Solder Connection**
- **Display Screen**
- **Adjustment Buttons**
- **Fitting Clip**
- **Supply Fitting (1)**
- **Backplate**

* ProPress tailpieces may be used in place of solder connections
  ProPress tailpieces are available for sale separately.
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#### Technical Specifications:

- **Part No.**: 56160
- **Speeds**:
  - Hi: 1.12 Amps, 130 Watts, 1/25 HP
  - Med: 1.04 Amps, 110 Watts, 1/25 HP
  - Low: 0.78 Amps, 80 Watts, 1/25 HP

#### Input Voltage / Current:
- 120 VAC ± 10% 60 Hz, 2A

#### Sensors:
- (2) 10kΩ - 1 boiler sensor, 1 outdoor sensor
- Sensor wiring may be extended up to 500'
- Use 18 gauge wire when extending

#### Boiler Relay:
- 24VAC 1.0 MAX AMPS

#### Circulator Relay:
- 24VAC 1.0 MAX AMPS

#### Microprocessor:
- 8 Bit, 32 MHz

#### Fluid:
- Water
- Propylene or Ethylene glycol to 50% concentration

#### Temperature:
- Maximum Temperature: 203°F

#### Pressure:
- Maximum Working Pressure: 45 psi
- Maximum Test Pressure: 100 psi

#### Weight:
- 10 lbs.

#### Dimensions:
- 12.18" W x 10" H x 6.7" D

#### ETL Listings:
- Meets CSA C22.2 No. 24
- Meets UL Standard 873
- ETL Control No. 3068143

#### Pump Curve for Hydronic Mixing Block:

- Head (Ft) vs. Flow (USGPM)
- Speed 1, Speed 2, Speed 3 curves

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**TD-HC 1119 Hydronic Mixing Block**