



ISO 9001 Certified

HBL-04-LR

ASSE 1070 and cUPC Listed

Lead Free* Thermostatic Mixing Valve

The HBL-04-LR Lead Free* Thermostatic Mixing Valve 3/8" (10mm) compression and Quick-Connect fitting thermostatic mixing valves maintain and limit hot water to desired selectable temperature between 80°F and 120°F (27°C and 49°C) with flow rates as low as 0.5 gpm (1.9 lpm) and as high as 2.25 gpm (8.5 lpm). The mixing valve is listed to ASSE Standard 1070 for single fixture applications and IAPMO cUPC. The HBL-04-LR features Lead Free* construction to comply with Lead Free* installation requirements. The superior flow characteristics of these valves provide temperature control with low pressure drop. As an added feature, the HBL-04-LR incorporates dual check valves to protect against cross-flow and integral screens to filter out debris.

Features

- Lead Free* Brass body construction
- Installs easily between the stop valves and faucet
- Includes tamper resistant locking nut to prevent accidental mis-adjustment
- Built-in check valves prevent migration of hot water to cold and cold water to hot water piping
- Providing with cap for three port application
- Integral strainer with 40 mesh stainless steel screens to filter out debris

Applications

The unit is intended for under sink installation to control the hot water temperature and minimize the occurrence of accidental scalding. The water temperature must be adjusted by the installer using a thermometer to measure the hot water temperature at the faucet outlet. Maximum temperature of 105°F (41°C) is recommended.

Specifications

A Thermostatic Mixing Valve shall be installed on the hot water supply to the fixture. The valve shall be ASSE Standard 1070 and IAPMO cUPC listed and control the temperature of the hot water. It shall have a Lead Free* brass 4-port, "H" pattern body. Lead Free* under counter thermostatic valves shall comply with state codes and standards, where applicable, requiring reduced lead content. The valve shall include integral check valves, integral screens and an adjustment nut with locking feature. The valve shall be provided with 3/8" (10mm) male compression or Quickconnect fittings. The valve shall be Hydrotek Series HBL-04-LR.



Materials

Body:	Lead Free* Brass
Spring:	Stainless Steel
Thermostat:	Copper
Rubber Disc:	Buna-N
O-Rings:	Buna-N
Piston:	Noryl®

Noryl® is a registered trademark of SABIC Innovative Plastics®.

Approval



Pressure - Temperature

Minimum supply pressure: 30psi (207 kPa)

Hot inlet temperature: 120°F-180°F (49°C-82°C)

Cold inlet temperature: 39°F-80°F (3.8°C-27°C)

Minimum inlet temperature differential: 5°F (2.8°C)

Temperature range: 80°F-120°F (27°C-49°C)

Maximum pressure: 150psi (10.3 bar)

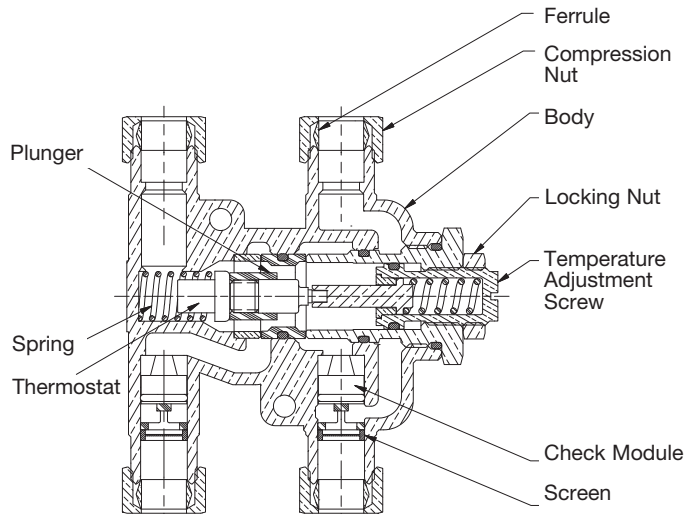
Minimum flow: 0.5 gpm (2.2 l/m)

Hydrotek Accessories

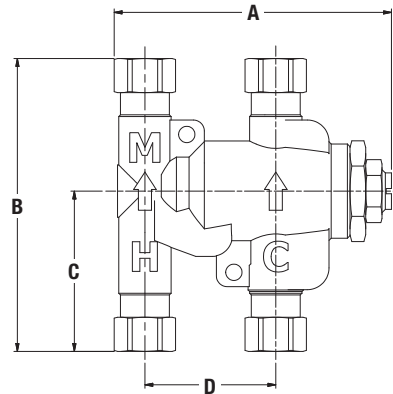
HBL-04-LR

Lead Free* Thermostatic Mixing Valve

Basic Construction



Dimensions - Weights



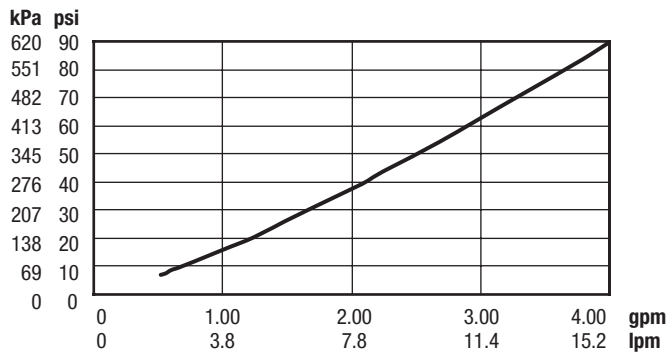
Size: 3/8 in. Compression Fit

Dimensions:

	in	mm
A	3 ³ / ₁₆	81
B	3 ³ / ₈	85
C	1 ¹³ / ₁₆	47
D	1 ¹ / ₂	38

Weight: .82 lbs (.37 kgs)

Flow Capacity



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