

Engineering Specification

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series LFUSG-HWP Under Sink Guardian®

The LFUSG-HWP Under Sink Guardian® $\frac{3}{8}$ " compression-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 0.25 gpm (1.0 lpm) and as high as 2.25 gpm (8.5 lpm). This valve features a hot water by-pass lever allowing a hot water sanitization at the point of use fixture. The mixing valve is listed to ASSE Standard 1070 for single fixture applications and IAPMO cUPC. The LFUSG-HWP 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 LFUSG-HWP incorporates dual check valves to protect against cross-flow and integral screens to filter out debris.

Features

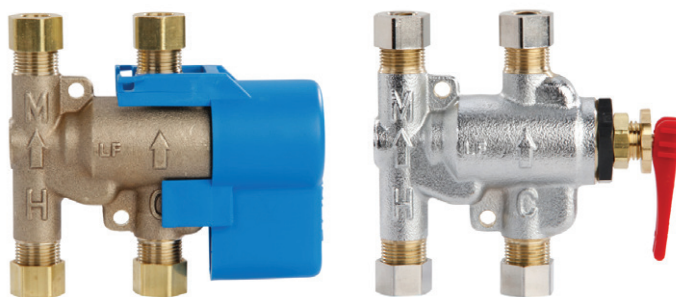
- Hot water by-pass lever and protective cover
- Lead Free* Brass body construction
- Installs easily between the stop valves and faucet
- Includes tamper resistant locking nut to prevent accidental mis-adjustment
- Built-in check valves prevent migration of hot water to cold and cold water to hot water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

Applications

The LFUSG-HWP is intended for under sink installation to control the hot water temperature and minimize the occurrence of accidental scalding. Engaging the by-pass mode will deliver full incoming hot water supply temperature for sanitization and to help mitigate waterborne pathogens. 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 for hand washing.

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

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



LFUSG-HWP
(cover on)

LFUSG-HWP-SC

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 with a high temperature by-pass activated by a 90 degree rotation of a lever handle. Handle shall not require continuous engagement by user for by-pass. 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, an adjustment nut with locking feature and a vandal resistant lever cover to prevent accidental engagement during normal operating periods. The valve shall be provided with $\frac{3}{8}$ " male compression fittings. The valve shall be Watts model LFUSG-HWP or LFUSG-HWP-SC.

ASSE 1070 & IAPMO cUPC Listed

Materials

Body: Lead Free* Brass

Rubber Disc: Buna-N

O-rings: Buna-N, EPDM

Spring: Stainless steel

Piston: Noryl®

Thermostat: Copper

Approvals



ASSE 1070



Certified to
NSF/ANSI/CAN 61-9 & 372

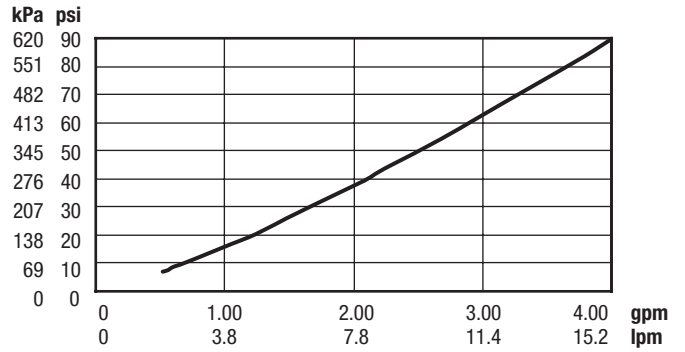
This product meets the reduced Q test statistic criteria of 0.5 ppb for lead per Section 9.5.1.1 of NSF/ANSI/CAN 61

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

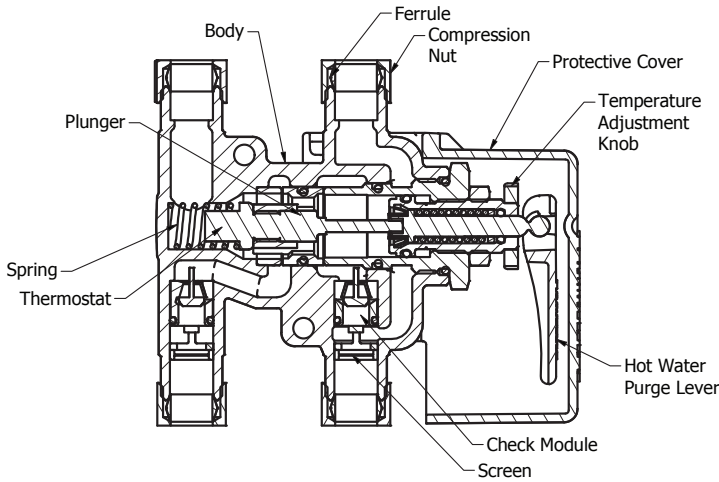
Pressure – Temperature

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)
 Operating temperature range: 80°F-120°F (27°C-49°C)
 Maximum pressure: 150psi (10.3 bar)
 Minimum Flow: 0.25 gpm (1.0 l/m)
 Maximum Pressure Differential between Hot & Cold Water Supplies: 20%

Flow Capacity



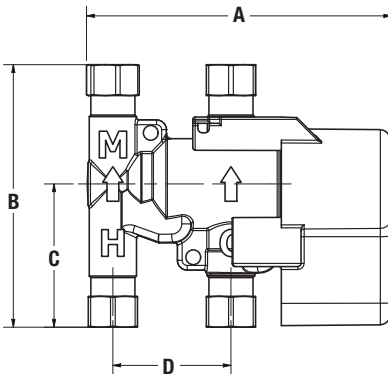
Basic Construction



Typical Installations

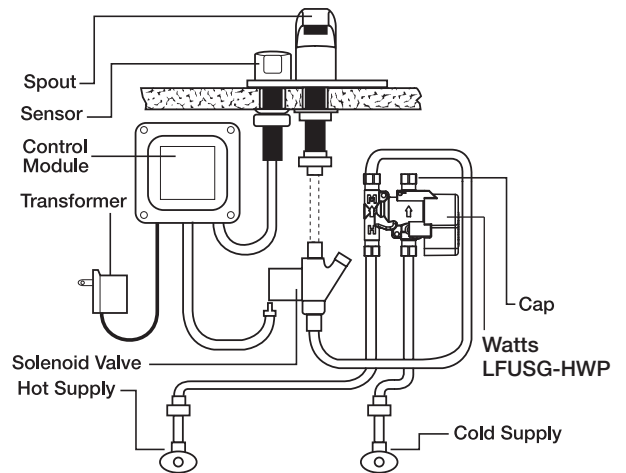


Dimensions – Weights



MODEL	SIZE	DIMENSIONS				WEIGHT	
		A	B	C	D	lbs.	kgs.
LFUSG-HWP	3/8" Comp.	3 7/8	3 3/8	1 13/16	1 1/2	.70	.317
LFUSG-HWP-SC	3/8" Comp.	3 7/8	3 3/8	1 13/16	1 1/2	.70	.317

Sensor Faucet



NOTICE

This information is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

