

## For Commercial and Industrial Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# LEAD FREE\*

## Model LF127W and LFF127W

### High Capacity Water Pressure Reducing Valves

Size: 3" - 4"

Model LF127W and LFF127W High Capacity Water Pressure Reducing Valves are designed to reduce incoming water pressure to a sensible level to protect plumbing system components and reduce water consumption. The LF127W and LFF127W are remote control type regulators ideal for commercial and industrial applications where a regulator must reach full capacity with a minor drop in reduced pressure. These models are also suitable for applications where close pressure regulation is required through extensive volume demand. These models are suitable for water supply pressures up to 175psi (12.1 bar) and may be adjusted from 25 – 100psi (172 – 690 kPa). All parts are quickly and easily serviceable.

The LF127W and LFF127W feature Lead Free\* construction to comply with Lead Free\* installation requirements.

#### Features

- Lead Free\* body construction
- Replaceable stainless steel seat
- Outstanding maintenance features
- Close control of reduced pressure
- High temperature-resisting diaphragm
- Interchangeable diaphragm chamber

#### Specifications

A Water Pressure Reducing Valve shall be installed on the water service pipe near its entrance to the building where supply main pressure exceeds 60psi (413 kPa) to reduce it to 60psi (413 kPa) or lower. The water pressure reducing valve shall be constructed using Lead Free\* materials. Lead Free\* regulators shall comply with state codes and standards, where applicable, requiring reduced lead content. The valve shall be equipped with a 5/8" tapping to receive equalizer piping and a 3/4" tapping to receive auxiliary regulator piping for low flow requirements. Valve shall be a Watts Model LF127W or LFF127W.

#### NOTICE

The information contained herein 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.



3" LF127W

6", 8" or 10"  
(150, 178, or 200mm)  
depending upon  
reduced pressure range.

High temperature-resisting diaphragm.

Requirements of various pressure conditions can be quickly met by interchanging the various sizes of diaphragm chambers - 6", 8", 10" as well as by interchanging spring.

Stainless steel stem.

Diaphragm chamber is easily changed by the removal of two cap screws.

Replaceable stainless steel seat.

Tapping provided in low pressure side of body for 4" valve to permit convenient, economical attachment of equalizer line.

#### NOTICE

Inquire with governing authorities for local installation requirements

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

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.

## Materials

Body: LF127W: Lead Free\* cast copper silicon alloy  
 LFF127W: Iron  
 Seat: Replaceable stainless steel  
 Stem: Stainless steel

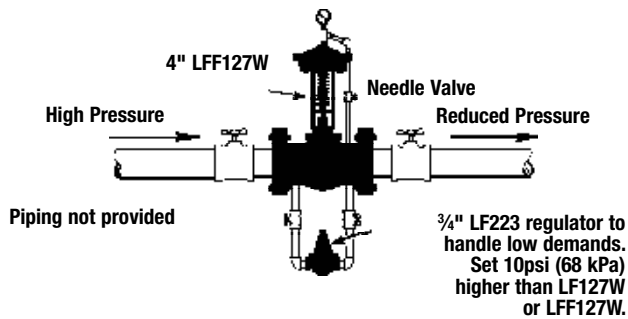
## Pressure – Temperature

Temperature Range: 33°F – 160°F (0.5°C – 71°C)  
 Maximum Working Pressure: 175psi (12.1 bar)  
 Adjustable Reduced Pressure Range: 25 – 100psi (17 – 690 kPa)

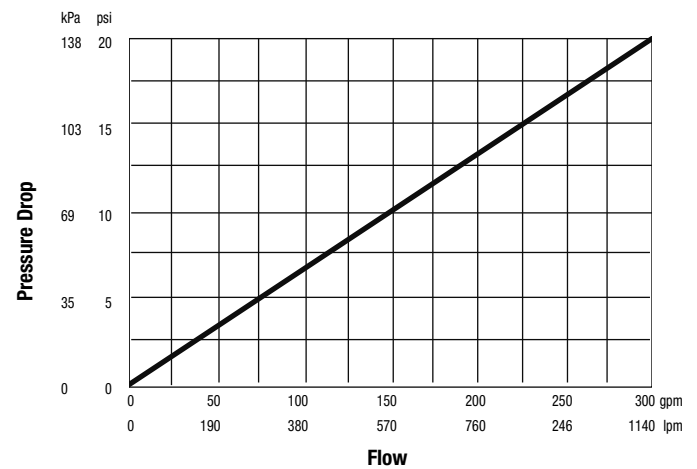
## Approvals



Certified to NSF/ANSI 372



## Capacity



## Dimensions – Weights

SIZE		DIMENSIONS								WEIGHT	
in.	Connection	A		B		C		D		lbs.	kg
		in.	mm	in.	mm	in.	mm	in.	mm		
3"	threaded	8	203	16 $\frac{1}{8}$	410	2 $\frac{5}{8}$	70	2 $\frac{3}{8}$	60	40	18
3"	flanged	8	203	16 $\frac{1}{8}$	410	3 $\frac{7}{10}$	93	3 $\frac{3}{4}$	95	42	19
4"	flanged	12 $\frac{1}{8}$	308	16 $\frac{1}{8}$	410	2 $\frac{9}{10}$	59	4 $\frac{1}{2}$	114	84	38

