ENGLISH INSTRUCTIONS

⚠ WARNING

You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product. **FAILURE TO COMPLY WITH PROPER INSTALLATION AND MAINTENANCE INSTRUCTIONS COULD RESULT IN PRODUCT FAILURE WHICH CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.** Watts is not responsible for damages resulting from improper installation and/or maintenance.

Local building or plumbing codes may require modifications to the information provided. You are required to consult the local building and plumbing codes prior to installation. If this information is not consistent with local building or plumbing codes, the local codes should be followed.

Installation Instructions

1. The valve should be installed by a licensed contractor in accordance with local codes and ordinances.
2. This valve should be installed where it is accessible with sufficient clearance for cleaning, service, or adjustment. **NOTICE**
3. Before installing the valve, be sure that the pipe ends are reamed and threads are cut to size. For valves with Quick-Connect tailpieces refer to "Quick-Connect Installation" instructions below.
4. Flush the lines to remove all loose scale, dirt and other foreign matter that can damage or clog the valve.
5. Install the regulator with the arrow on the body pointing in the direction of the flow.
6. Regulator may be installed vertically or horizontally (upright or inverted).
7. Start Up — Open cold water supply then hot water supply, inspect for leaks.

NOTICE

To tighten valve, first hand tighten followed by ¼-1 turn, using wrench.

The valve should be inspected annually to assure maximum life and performance.

Product is for interior or exterior application. Product should not be buried directly in the ground. For exterior applications where the valve will be situated in a vault or pit or be in contact with the ground, the valve should be installed in a meter box/vault accessible for repair and adjustment, per local code.

Maintenance Instructions

- To clean strainer, shut off inlet water pressure, remove strainer plug (2), remove and clean strainer.
- To replace seat disc, shut off supply, loosen nut (51) and back off adjusting screw (53) remove spring cage (3), spring (52) and washer (62). Remove bottom plug (12) and gasket (101). Insert and hold screw driver in slot on top of stem while loosening seat disc holder (47) from bottom of stem (27).
- To replace diaphragm, loosen lock nut (48) and remove lock washer (46).
- When reassembling apply a drop of low strength thread lock to disc holder.
- Open inlet water supply slowly.

Adjustment

Regulator is factory preset to 50psi (344 kPa) in a static condition. To adjust pressure setting, loosen the lock nut and turn the adjusting bolt clockwise to increase pressure, counterclockwise to decrease pressure.

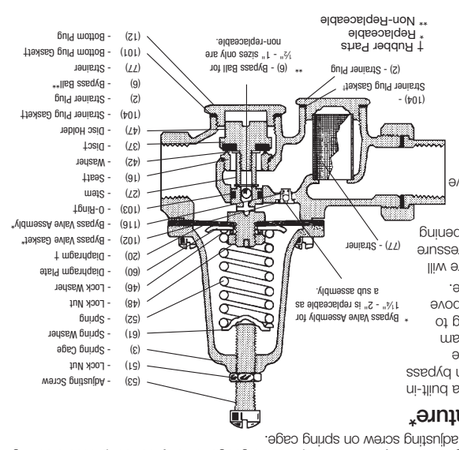
⚠ WARNING

Any time a reducing valve is adjusted, use a pressure gauge to verify correct pressure setting. Do not bottom out adjusting screw on spring cage.

Bypass Feature*

This regulator has a built-in thermal expan-sion bypass feature. This feature prevents downstream pressure from rising to more than 10psi above the supply pressure.

*The bypass feature will not prevent the pressure relief valve from opening on the hot water supply system with pressure above 150psi (10.3 bar).



Repair Kits

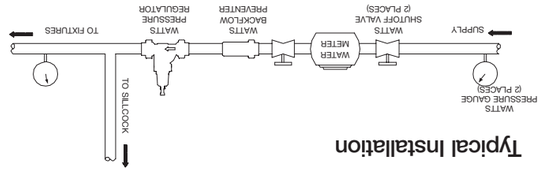
↑ Kit for Series LF25AUB-Z3 includes all items shown above

ORDERING CODE	KIT NO.	SIZE (DN)	
		in	mm
0884941	½" - LF25AUB-RK	½	15
0884943	¾" - LF25AUB-RK	¾	20
0884942	1" - LF25AUB-RK	1	25
0884944	1¼" - LF25AUB-RK	1¼	32
0884945	1½" - LF25AUB-RK	1½	40
0884946	2" - LF25AUB-RK	2	50

When Ordering, Specify:

1. Ordering Code
2. Size of Valve
3. Type Number
4. Model shown on Nameplate

Typical Installation

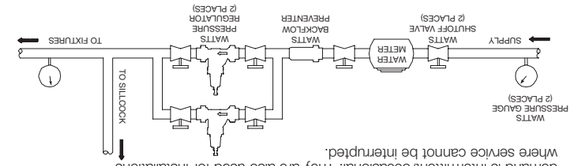


⚠ WARNING

For valves with CPVC or PEX end connections, do not exceed the tubing manufacturers pressure and temperature ratings. Refer to the tubing manufacturers product specifications for that information.

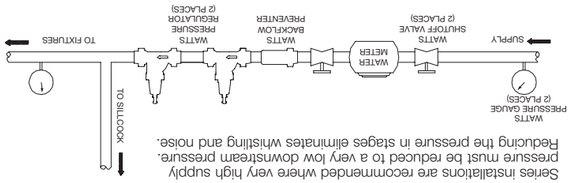
Parallel Installation

Parallel installations are recommended where high flow or low flow demand is intermittent/occasional. They are also used for installations where service cannot be interrupted.

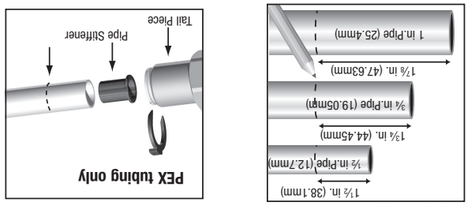


Series Installation

Series installations are recommended where very high supply pressure must be reduced to a very low downstream pressure. Reducing the pressure in stages eliminates whistling and noise.



Quick-Connect Installation To Connect:



1. Mark pipe as shown. This is pipe insertion depth.
2. Clean pipe end.
3. If using PEX tubing, insert pipe stiffener (provided) into end of pipe.
4. Push tubing into tailpiece up to mark.
5. Insert collet clip.

To Disconnect:

1. Remove collet clip.
2. Depress collet.
3. Pull tubing from tailpiece.

⚠ WARNING

Troubleshooting

High System Pressure

If the downstream system pressure is higher than the set pressure under no flow conditions, the cause could be thermal expansion, pressure creep or dirt/debris on the seat.

Thermal expansion occurs whenever water is heated in a closed system. The system is closed when supply pressure exceeds 150psi, or a check valve or backflow preventer is installed in the supply piping.

You must make provisions for pressure relief protection of your plumbing system and components. The use of a relief valve such as the Watts 530C, BRV, Governor 80, or 3L or potable water expansion tank such as the Watts DET, PLT or DELA may be required.

To determine if this is the result of thermal expansion, try briefly opening the cold water tap. If the increased pressure is caused by thermal expansion, the pressure will immediately be relieved and the system will return to the set pressure. Watts offers a pressure test gauge, model 276H300 to assist you in determining if you have high water pressure.

The 276H300 when attached to a hose bibb registers the highest pressure reading over the period of time it is left on the system.

AVERTISSEMENT: Ce produit contient des produits chimiques reconnus par l'État de Californie comme étant cancérigènes et pouvant provoquer des anomalies congénitales ou affecter la capacité de reproduction.
Pour plus d'informations: www.watts.com/prop65

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ADVERTENCIA: Este producto contiene sustancias químicas que en el Estado de California se conocen como causantes de cáncer y malformaciones u otros daños reproductivos.
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For more information: www.watts.com/prop65

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IS-25AUB

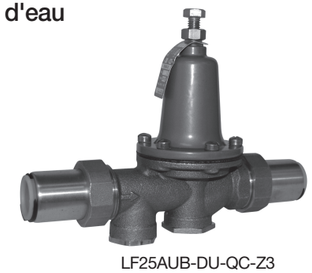
Installation Instructions • Instrucciones de instalación • Instructions d'installation

Series LF25AUB-Z3
Series LF25AUB-Z3
Séries LF25AUB-Z3

Water Pressure Reducing Valve
Válvula reductora de la presión del agua
Régulateur de pression d'eau

½" - 2" (15-50mm)

LF25AUB-Z3



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