



CALEFFI 127 Series FlowCal Compact Automatic Balancing Valve Instruction Manual

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CALEFFI 127 Series FlowCal Compact Automatic Balancing Valve



Product Information

The CALEFFI FlowCal™ Compact Automatic Balancing Valve is designed to maintain a constant fixed flow rate within varying system differential pressure ranges. It is part of the 127 series and features an exclusive, interchangeable flow cartridge made of anti-scale, low-noise polymer. The valve body is made of compact low-lead brass, making it suitable for use in cooling, heating, and domestic water systems.

Product Usage Instructions

1. Ensure that the valve is installed in the correct orientation according to the flow direction indicated on the valve body.
2. Before installation, thoroughly flush the system to remove any debris or dirt that may affect the valve's performance.
3. Select the appropriate valve size (1/2, 3/4, or 1 inch) based on your system requirements.
4. Connect the valve to the system piping using suitable fittings and ensure a secure and leak-free connection.
5. Once installed, adjust the valve by turning the adjustment knob to achieve the desired flow rate. The flow rate can be monitored using a flow meter or by measuring the time it takes to fill a known volume of water.
6. If necessary, fine-tune the flow rate by making small adjustments to the adjustment knob until the desired flow rate is achieved.
7. Regularly inspect the valve for any signs of leakage or damage and address any issues immediately.
8. Refer to the product manual for any additional maintenance or troubleshooting instructions.

Function

The FlowCal™ automatic balancing valve maintains a constant fixed flow rate within varying system differential pressure ranges. The 127 series utilize an exclusive, interchangeable flow cartridge, made of anti-scale, low noise polymer and a compact low-lead brass valve body for use in cooling, heating and domestic water systems.

Product range

127 Series Compact Automatic Balancing Valve with polymer cartridge, 1/2", 3/4", 1"

Technical characteristics

- **Material:** Body: low-lead brass (<0.25% Lead content)
- **FlowCal™ flow cartridge:** anti-scale polymer
- **Spring:** stainless steel
- **Seals:** peroxide-cured EPDM
- **Performance:** Medium: water, glycol solutions
- **Max. percentage of glycol:** 50%
- **Max. working pressure:** 232 psi (16 bar)
- **Working temperature range:** 32-212°F (0-100°C)
- **Connections:** 1/2", 3/4" and 1" NPT, Sweat, Press, PEX crimp & expansion

This valve is certified to NSF/ANSI 372-2011, low lead laws and listed by ICC-ES, file PMG-1360.

SAFETY INSTRUCTION

This safety alert symbol will be used in this manual to draw attention to safety related instructions. When used, the safety alert symbol means

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED! FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN A SAFETY HAZARD.

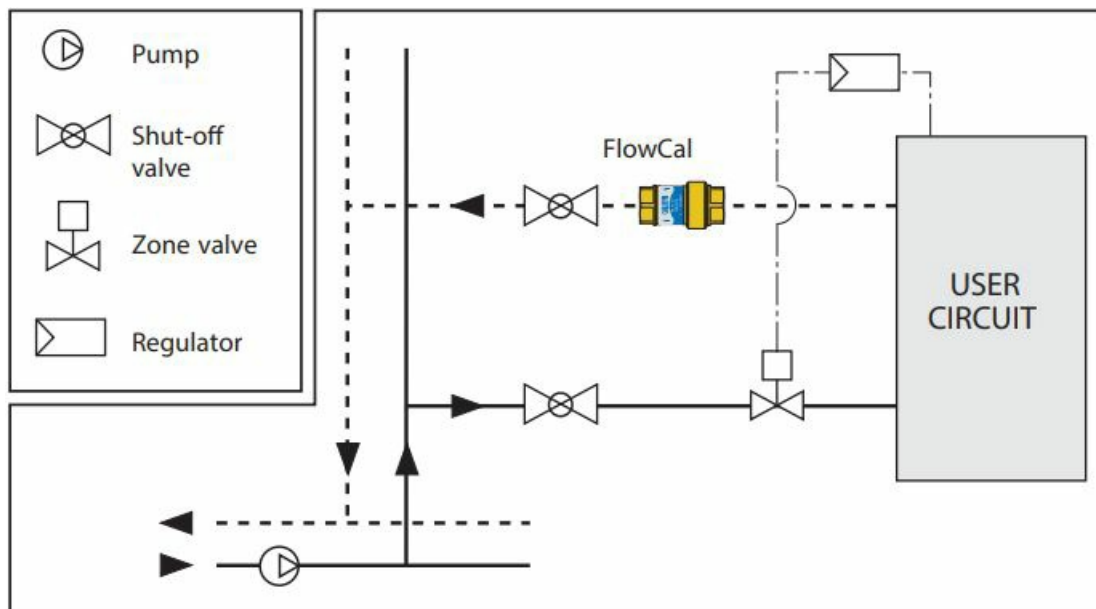
CAUTION: All work must be performed by qualified personnel trained in the proper application, installation, and maintenance of systems in accordance with all applicable codes and ordinances.

CAUTION: Over-tightening and breakage can occur with the use of Teflon® pipe joint compounds. Teflon® provides lubricity so that care must be exercised not to over-tighten joints. Failure to follow these instructions could result in property damage and/or personal injury.

WARNING: System fluids are under pressure or temperature can be hazardous. Be sure the pressure has been reduced to zero and the system temperature is below 100°F (38°C). Failure to follow these instructions could result in property damage and/or personal injury.

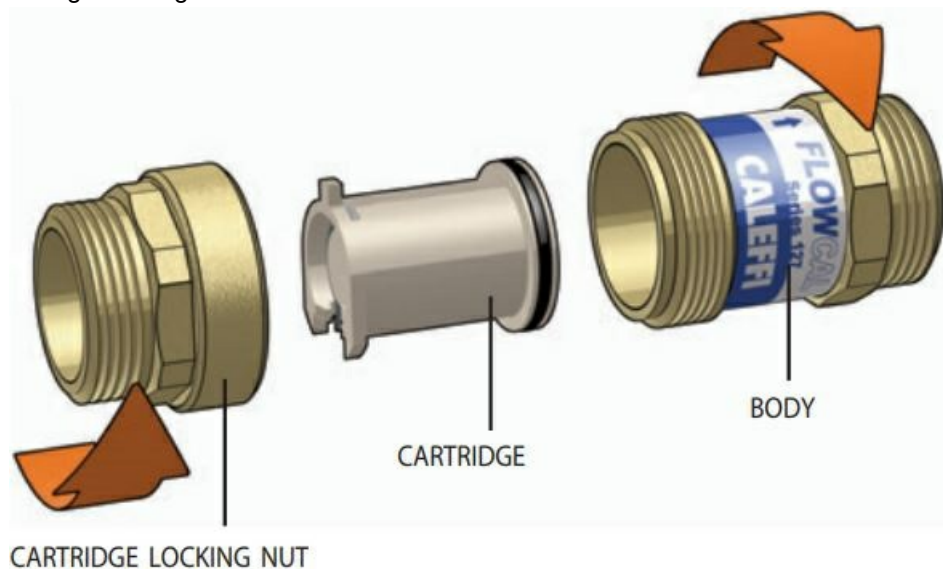
Installation

Install the FlowCal automatic balancing valves on the circuit return pipe with flow direction arrows indicating proper flow direction. It is important to allow easy access to the FlowCal for inspection and maintenance.



FlowCal cartridge assembly and disassembly

The internal flow cartridge can be removed easily from the valve body for inspection or replacement by unscrewing the cartridge locking nut.



CAUTION: If the FlowCal valve is not installed, commissioned and maintained properly, according to the instructions contained in this manual, it may not operate correctly and may endanger the user.

CAUTION: Make sure that all the connecting pipework is water tight.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to

www.P65Warnings.ca.gov.

CONTACT


- Caleffi North America, Inc.
- 3883 West Milwaukee Road
- Milwaukee, WI 53208
- T: 414.238.2360
- F: 414.238.2366
- **SCAN TO VIEW**



- www.caleffi.com.
- NA10169.04

FlowCal™ Compact Automatic Balancing Valve with polymer cartridge © Copyright 2021 Caleffi

Documents / Resources

	CALEFFI 127 Series FlowCal Compact Automatic Balancing Valve [pdf] Instruction Manual 127 Series, 127 Series FlowCal Compact Automatic Balancing Valve, FlowCal Compact Automatic Balancing Valve, Compact Automatic Balancing Valve, Automatic Balancing Valve, Balancing Valve, Valve
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References

- www.caleffi.com - This website is for sale! - leffi Resources and Information.
- P65Warnings.ca.gov

Manuals+