



ThermoSetter™

ADJUSTABLE THERMAL BALANCING VALVE

CALEFFI
Hydronic Solutions



Protecting the system to protect your water



PRODUCT FEATURES

■ Automatically maintains recirculation temperature at fixtures:

Modulates flow rate within each circuit so the hot water temperature at fixtures remains constant.

■ Set it and forget it:

Unlike traditional balancing valves, ThermoSetter™ requires no differential pressure instruments or reference charts. Simply set knob to desired circuit temperature. That's it!

■ Industry-first temperature adjustability:

Field adjustable temperature from 105°F to 150°F. Adjustment knob is lockable for tamper-proofing.

■ Temperature gauge and dry well:

For circuit indication. Dry well alternatively can be used for BAS temperature monitoring.

■ Minimized electrical costs:

When matched with variable speed circulator in constant pressure mode, ThermoSetter™ valves and circulator harmoniously modulate to deliver only the flow within each circuit required to maintain their set temperature. Optimizes energy consumption.

■ Easy to service:

Complete internal cartridge is removable for cleaning or replacement.

Ease of commissioning and fixture temperature consistency

ThermoSetter™ is the industry's first field adjustable thermal balancing valve. Place in each return branch and they self-balance, negating need for instrumentation. Through periods of no demand, delivery temperature fluctuation and water heater draw down, they modulate harmoniously to maintain consistent hot water temperature at the fixtures.

PRODUCT RANGE - ThermoSetter™, 1164 series



CODE	OUTLET TEMP GAUGE	CHECK VALVE	NPT female
116441A	✓	--	1/2"
116441AC	✓	✓	1/2"
116451A	✓	--	3/4"
116451AC	✓	✓	3/4"



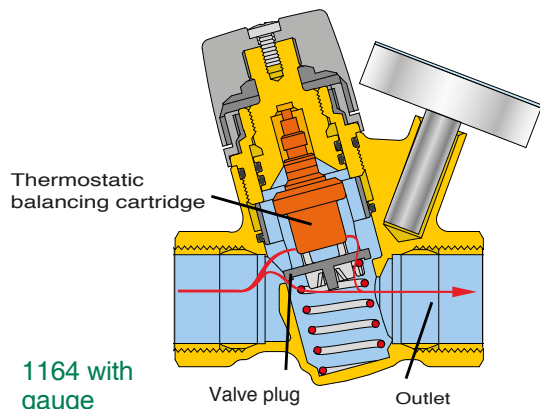
NSF 61



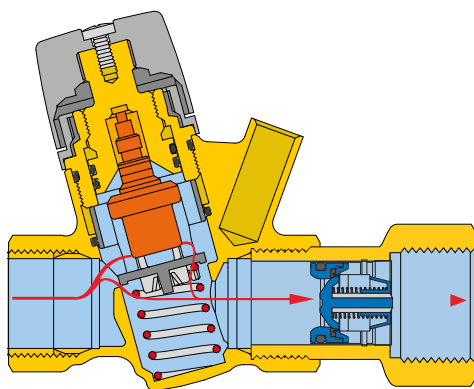
CODE	OUTLET TEMP GAUGE	CHECK VALVE	NPT female
116440A	--	--	1/2"
116440AC	--	✓	1/2"
116450A	--	--	3/4"
116450AC	--	✓	3/4"

OPERATING PRINCIPLE

The balancing cartridge modulates the valve to control temperature to the knob set point. At the set point, the valve is at minimum position. This allows hot water supplied by the circulator to be distributed to the other branches resulting in effective automatic thermal balancing. The automatic response allows each hot water branch to quickly deliver hot water to each fixture.



1164 with gauge



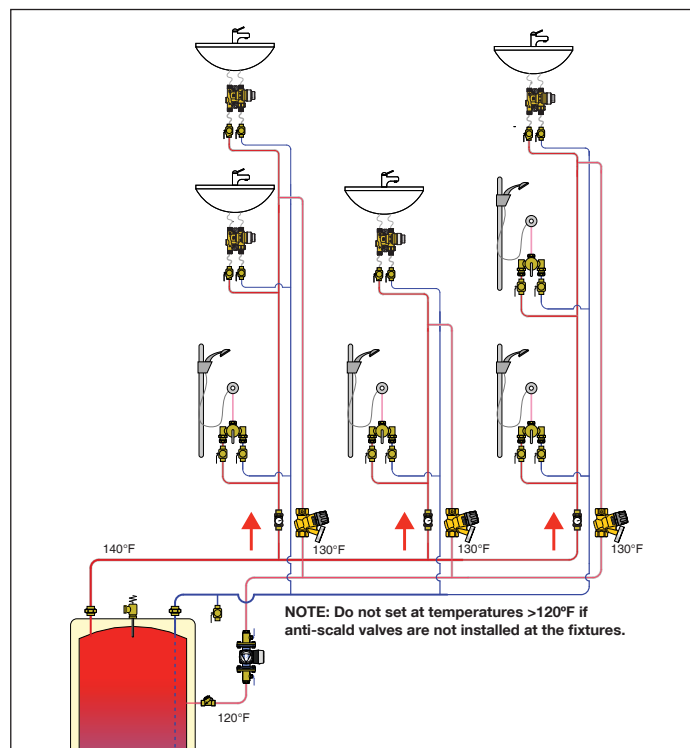
1164 with check valve

Caleffi Partner:

PERFORMANCE

TEMP ADJUSTMENT RANGE	105 — 150°F (40 — 65°C)
CV MAX	2.1
CV DESIGN	0.69
CV MIN	0.35

APPLICATION DIAGRAM



ONLINE
CATALOG

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WE RESERVE THE RIGHT TO CHANGE OUR PRODUCTS AND THEIR RELEVANT TECHNICAL DATA, CONTAINED IN THIS PUBLICATION, AT ANY TIME AND WITHOUT PRIOR NOTICE.

Caleffi North America, Inc.
sales@caleffi.com · www.caleffi.com
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