



## ThermoSetter™

ADJUSTABLE THERMAL BALANCING VALVE  
116 SERIES

**CALEFFI**  
Hydronic Solutions



## PRODUCT FEATURES

### ■ Consistent Temperature in Dynamic Systems:

Reduce wait time for hot water. Maintains adjustable set point temperature at fixtures by modulating flow rate through each branch circuit.

### ■ Eliminates Balancing Labor:

No differential pressure instruments or reference charts required, unlike traditional balancing valves. Simply set knob to desired circuit temperature.

### ■ Industry-first Temperature Adjustability:

No tools required. Adjustable temperature from 95 - 140 °F, or 95 -150 °F, depending on size. Lockable adjustment knob to prevent tampering.

### ■ Simple, Compact Assemblies:

Available as stand-alone valves or kits. Check valve, temperature gauge and isolation valve kits simplified to a single part number.

### ■ Dual Posi-Stop™ Unions:

Simplified installation and service with Posi-Stop's reliable embedded O-ring union connections to Press, Sweat, NPT and PEX fittings.

### ■ Thermal Disinfection Bypass Options:

Ready for Legionella control. Options for temperature or electronically actuated bypass to enable thermal disinfection all the way to the fixture runouts.

## Reliable hot water at fixtures without labor-intensive balancing

ThermoSetter™ is the industry's first field adjustable thermal balancing valve. Place this valve in each return branch for automatic balancing. Through periods of no demand, delivery temperature fluctuation and water heater draw down, the ThermoSetter modulates to maintain hot water temperature at the fixtures. Complies with standards NSF/ANSI/CAN 61, NSF/ANSI/CAN 372. Certified by ICC-ES.

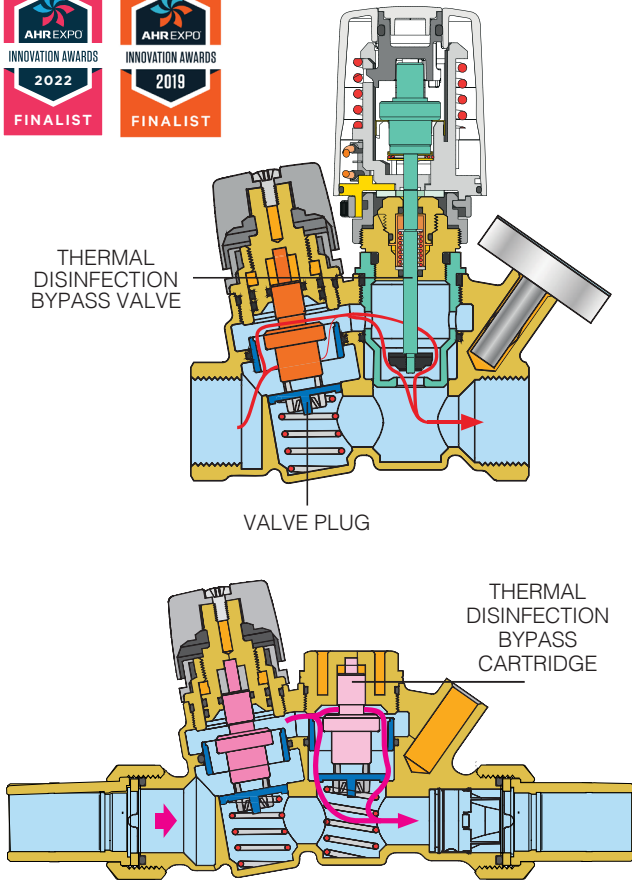
## PRODUCT RANGE - ThermoSetter™



Family	Bypass	Pipe Connection Size	Temperature Gauge*	Suffix	Isolation Valves	Union Fitting Options
<b>116</b> (½" and ¾")	<b>1</b> = capped bypass <b>2</b> = thermal bypass 160 °F <b>3</b> = zone valve bypass <b>6</b> = thermal bypass 140 °F	<b>4</b> = ½" <b>5</b> = ¾"	<b>0</b> = No gauge <b>1</b> = With gauge <b>*For 1161 Versions Only</b>	<b>AC</b> = with check	<b>0</b> = No <b>1</b> = Yes	<b>02</b> = FNPT <b>06</b> = Press <b>07</b> = PEX Crimp <b>08</b> = PEX Expansion <b>09</b> = Sweat
<b>116</b> (1" and 1¼")	<b>1</b> = capped bypass <b>2</b> = thermal bypass 160 °F <b>3</b> = zone valve bypass <b>6</b> = thermal bypass 140 °F	<b>6</b> = 1" (Integral FNPT Only) <b>7</b> = 1-¼" (Integral FNPT Only)	<b>0</b> = No gauge <b>1</b> = With gauge <b>*For 1161 Versions Only</b>	<b>A</b> = no check <b>AC</b> = with check	<b>(blank)</b> = No <b>001</b> = Yes	N/A

116651AC 106

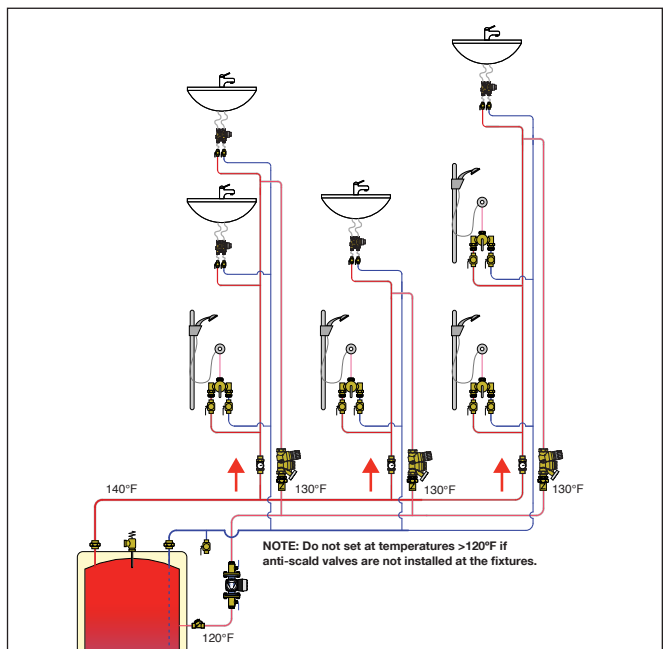
## CONSTRUCTION



## PERFORMANCE

SIZES	½" & ¾"	1" & 1¼
TEMP ADJUSTMENT RANGE	95 – 140 °F (35 – 60 °C)	95 – 150 °F (35 – 66 °C)
Cv MAX	2.1	4.4
Cv DISINFECTON	1.2	2.3
Cv DESIGN	0.5	1.9
Cv MIN	0.2	1

## APPLICATION DIAGRAM



03598-24 NA | Caleffi18-014

Caleffi Partner:

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

## ONLINE



# CATALOG



Caleffi North America, Inc.  
sales@caleffi.com · www.caleffi.com  
© Copyright 2024 Caleffi North America, Inc.