isenberg
innovation+design

ECOMATIC™
Made For Responsible Luxury
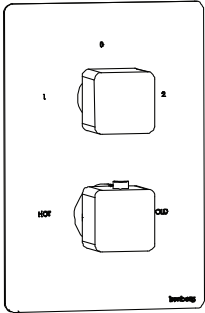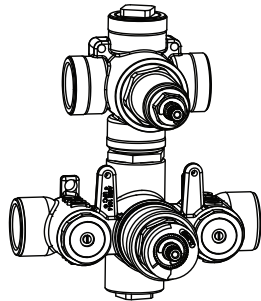
Serie 196™

UPC®

196.4421 | 3/4" Thermostatic Valve With 2-Way Diverter & Integrated Volume Control & Trim

SPECIFICATIONS:

· Turn bottom handle to control temperature.
· Turn top handle to divert water & control volume.
· Includes Thermostatic valve (TVH.4420F) w/ service stops
· Thermostatic Valve Flow Rate - 8.0 GPM @ 60 PSI
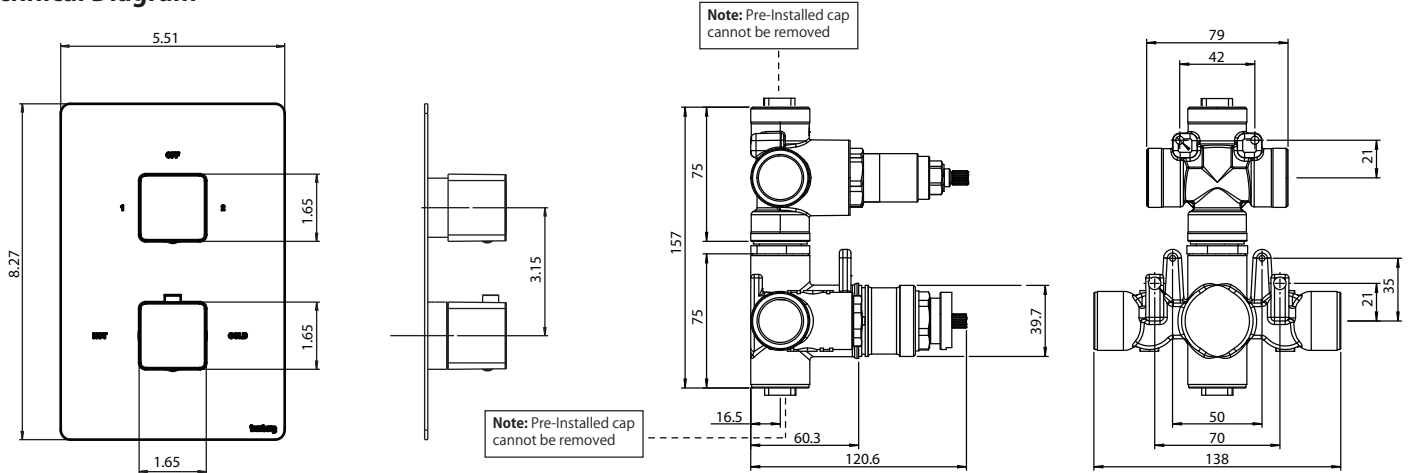· Extension Available - TVH.4101E**
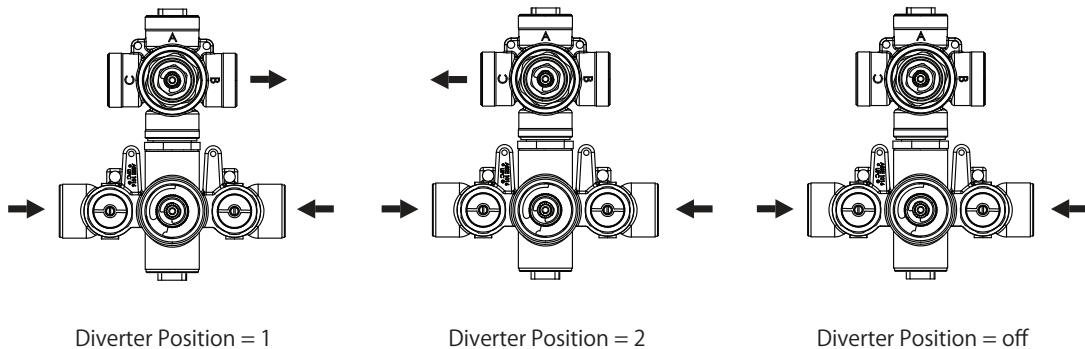
Trim
[196.4000T**]

+

Valve
[TVH.4420F]

! A separate volume control is **not** needed to turn water supply off. Volume control functionality is integrated within this valve.

See Spec Sheet For TVH.4420F For Detailed Information On Valve.

CALGreen Compliant
CAL GREEN

Belgian Mirror Finish

Legislation Compliance

ZeroDrip **Technology**

Technical Diagram

5.51

8.27

1.65

1.65

1.65

3.15

Note: Pre-Installed cap cannot be removed

157

75

75

39.7

16.5

60.3

120.6

Note: Pre-Installed cap cannot be removed

79

42

21

21

35

50

70

138

Water Diversion Diagram
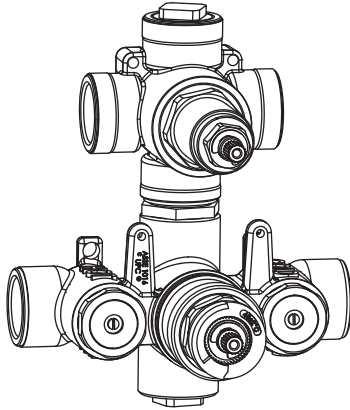
Diverter Position = 1

Diverter Position = 2

Diverter Position = off

TVH.4420F | 3/4" Thermostatic Valve With 2-Way Diverter & Integrated Volume Control Page 1of 2

SPECIFICATIONS:

· Turn bottom knob to control temperature.
· Turn top knob to control water flow.
· Thermostatic Valve Flow Rate - 8.0 GPM @ 60 PSI
· Extension Available - TVH.4101E**

STANDARDS:

· ASME A112.18.1 / CSA B125.1

! A separate volume control is **not** needed to turn water supply off. Volume control functionality is integrated within this valve.
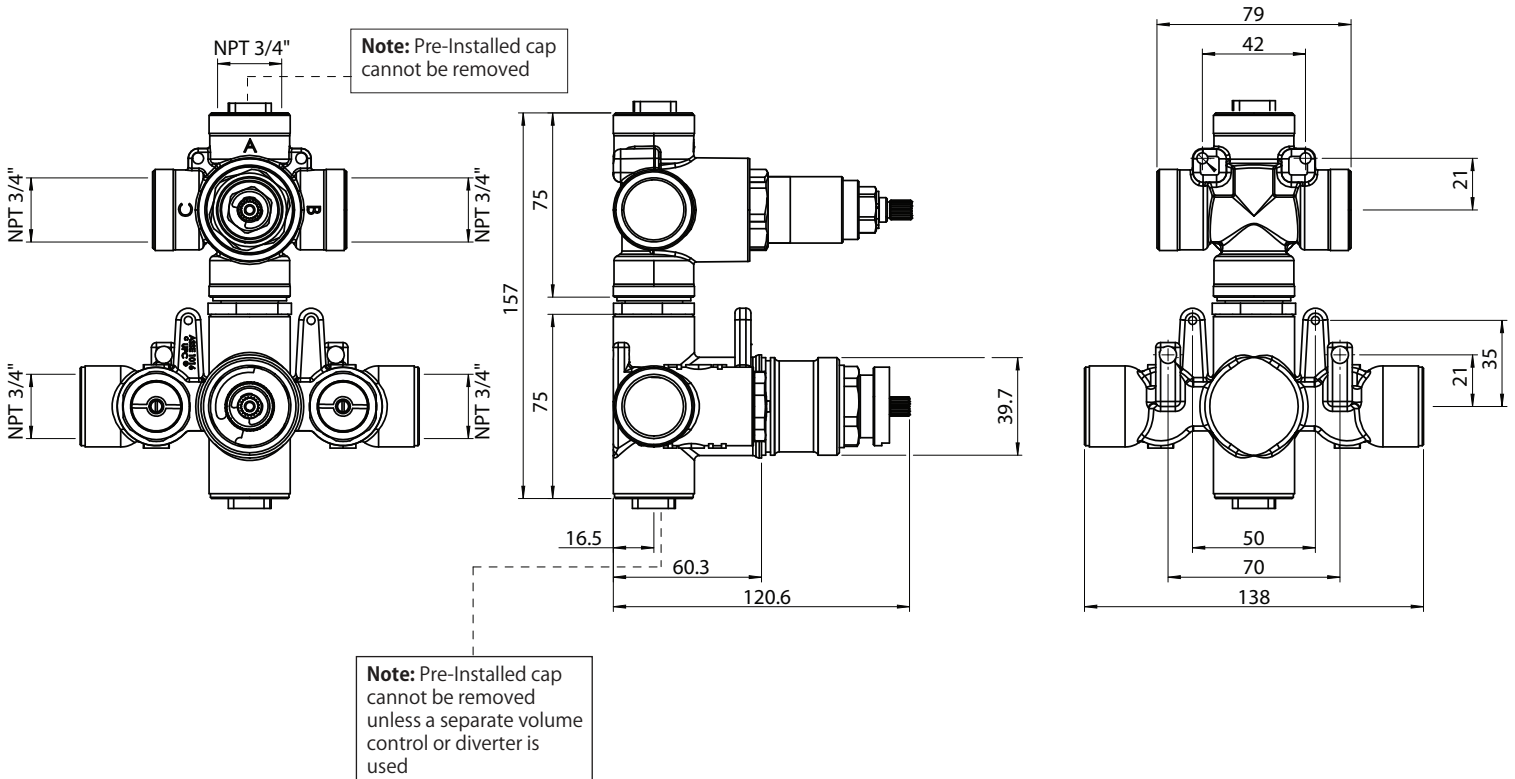
CALGreen Compliant

CAL GREEN

Legislation Compliance

✓

ZeroDrip **Technology**

Technical Diagram

NPT 3/4"

Note: Pre-Installed cap cannot be removed

NPT 3/4"

A
C   B

NPT 3/4"

NPT 3/4"

NPT 3/4"

75

157

75

16.5

60.3

120.6

39.7

Note: Pre-Installed cap cannot be removed unless a separate volume control or diverter is used

79

42

21

21   35

50

70

138

TVH.4420F | 3/4" Thermostatic Valve With 2-Way Diverter & Integrated Volume Control Page 2 of 2

TWO OUPTUT - CAL-GREEN - NO SHARED PORT OPERATION

Diverter Cartridge # - **15109** (Included)

Total 3 Positions as defined below, with **only** 1 port active at one time.

- Position 0 - Off - No Water Flow
- Position 1 - Output A Activated
- Position 2 - Output C Activated

TWO OUPTUT - SHARED PORT OPERATION

Diverter Cartridge # - **15103** (Not Included)

Total 4 Positions as defined below, with 2 ports active at one time.

- Position 0 - Off - No Water Flow
- Position 1 - Output B Activated
- Position 2 - Output B+C Activated
- Position 3 - Output C Activated