



JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



## TEMP SETTER™

### Thermostatic Balance Valve

#### DESCRIPTION

The Bell & Gossett Temp Setter is a thermostatic balance valve designed for use in domestic hot water recirculation systems. The valve's internal wax element expands and contracts as system fluid temperature fluctuates to maintain a set minimum fluid temperature. The valve is also available with manual or actuated thermal bypass, which allows high temperature water that would normally be restricted to pass through the valve. With this functionality the Temp Setter can be used for thermal disinfection of Legionella bacteria. Each Temp Setter valve also comes with a standard insulation block.

#### CONSTRUCTION

Body: 316 Stainless Steel  
O-Rings: EPDM  
Springs: 304 Stainless Steel  
Thermostatic Element: Wax  
Plastic Parts: POM, ABS, PC  
Insulation Block: EPS

#### MAXIMUM WORKING PRESSURE

145 PSI (1,000 kPa)

#### TEMPERATURE ADJUSTMENT RANGE

98°F (37°C) - 150°F (66°C)

#### TEMPERATURE ACCURACY

+/- 3.6°F (2°C)

#### Cv Values

Max Cv: 1.27

Disinfection Cv: 0.34

Min Cv: 0.34

CSA certified for NSF/ANSI 61

#### SCHEDULE

##### MODELS WITHOUT BYPASS

| Part Number | Model Number | TAGGING INFORMATION | QUANTITY |
|-------------|--------------|---------------------|----------|
| 117678LF    | TS-1/2       |                     |          |
| 117682LF    | TS-1/2C      |                     |          |
| 117680LF    | TS-3/4       |                     |          |
| 117684LF    | TS-3/4C      |                     |          |

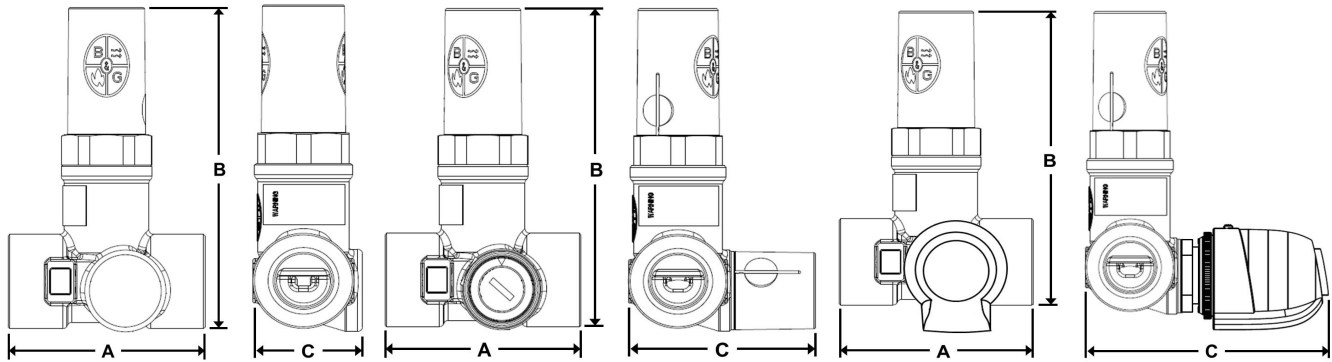
##### MODELS WITH BYPASS

| Part Number | Model Number | TAGGING INFORMATION | QUANTITY |
|-------------|--------------|---------------------|----------|
| 117679LF    | TSB-1/2      |                     |          |
| 117683LF    | TSB-1/2C     |                     |          |
| 117681LF    | TSB-3/4      |                     |          |
| 117685LF    | TSB-3/4C     |                     |          |

##### ACTUATOR ACCESSORIES\*

| Part Number | Model Number | TAGGING INFORMATION | QUANTITY |
|-------------|--------------|---------------------|----------|
| 109518      | Actuator     |                     |          |
| 117686      | Adapter Kit  |                     |          |

\*Actuated bypass requires both actuator and adapter kit



Models w/o Bypass

Models w/ Manual Bypass

Models w/ Actuated Bypass

**MODELS w/o BYPASS**

| Model Number | DIMENSIONS IN IN*(mm) |          |           |          | Approx. Weight Lbs. (kg) |
|--------------|-----------------------|----------|-----------|----------|--------------------------|
|              | SIZE                  | A        | B         | C        |                          |
| TS-1/2(C)    | 0.5 (13)              | 2.5 (63) | 4.1 (103) | 1.3 (33) | 1.0 (0.45)               |
| TS-3/4(C)    | 0.75 (19)             | 2.5 (63) | 4.1 (103) | 1.3 (33) | 1.0 (0.45)               |

**MODELS w/ MANUAL BYPASS**

| Model Number | DIMENSIONS IN IN*(mm) |          |           |          | Approx. Weight Lbs. (kg) |
|--------------|-----------------------|----------|-----------|----------|--------------------------|
|              | SIZE                  | A        | B         | C        |                          |
| TSB-1/2(C)   | 0.5 (13)              | 2.5 (63) | 4.1 (103) | 2.2 (57) | 1.0 (0.45)               |
| TSB-3/4(C)   | 0.75 (19)             | 2.5 (63) | 4.1 (103) | 2.2 (57) | 1.0 (0.45)               |

**MODELS w/ ACTUATED BYPASS**

| Model Number | DIMENSIONS IN IN*(mm) |          |           |          | Approx. Weight Lbs. (kg) |
|--------------|-----------------------|----------|-----------|----------|--------------------------|
|              | SIZE                  | A        | B         | C        |                          |
| TSB-1/2(C)   | 0.5 (13)              | 2.5 (63) | 4.1 (103) | 3.8 (97) | 1.5 (0.68)               |
| TSB-3/4(C)   | 0.75 (19)             | 2.5 (63) | 4.1 (103) | 3.8 (97) | 1.5 (0.68)               |

\*Dimensions are +/- 0.125". Dimensions not to be used for construction purposes unless certified.