**Product Data:**

The 354 series Bulb & Capillary thermostat is specifically designed for applications that require tight tolerances and close calibration at the desired nominal temperature set point. The adjustable shaft of the 354 control is a “through shaft” design that extends through the control providing a smooth rotating operation assuring repeatability of the set point through the entire dial rotation.

The control lever is positively positioned by tabs that encircle the shaft to eliminate rocking motions inherent in some thermostats’ designs. The side mounting allows the 354 to be installed in areas with very limited depth.

The SPDT switch action allows for break on temperature rise or temperature fall. The 354 series is available with optional ambient compensation to offset the impact on calibration caused by the thermostat body being installed in high ambient locations.

The 354 thermostat can be used for a wide variety of control functions including: spas, pool heaters, wall heaters, portable and unit heaters, heat pumps, fans, domestic and commercial ranges, food service equipment and others.

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**354 Series**

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**354 Features:**

- **Calibration Range:** 0°F-675°F
- **Range Options:** Adjustable or Fixed
- **Reset Options:** Automatic
- **Switch Action:** SPDT
- **Switch Ratings:** 15-25 Amps
- **Mounting Options:** Side Mount
- **Housing:** N/A
- **Terminal Location:** Top
- **Maximum Ambient:** 150°F

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**Additional Options:**

- **Adjustable Shafts:** D Shaft
- **Compensation:** Ambient (optional)
- **Bulb & Capillary:** Copper, Nickel Plated Copper, One Piece Stainless Steel or Two Piece Stainless Steel

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**Shaft:**

Specify at location in o position. Terminals up.

Turn shaft fully counterclockwise

- 12 O’clock
- 3 O’clock
- 6 O’clock
- 9 O’clock

Flat shown at 3 O’clock
STEMCO 354 Dimensional Drawings

‘A’ and ‘C’ lengths per customer’s specifications.

354 shown with standard side mount, and 0.250” diameter D-shaft. The D-shaft is shown positioned at 3 O’Clock at the high stop setting (fully counterclockwise).

354 shown with optional side mount and optional spacer. The D-shaft is 0.156” diameter. The D-shaft is shown positioned at 6 O’Clock at the high stop setting (fully counterclockwise).

354 shown with optional side mount bracket. The shaft is 0.156” diameter. The D Shaft is shown positioned at 6 O’Clock at high stop setting (fully counterclockwise).

All dimensions inches/millimeters.
### Standard Fittings

<table>
<thead>
<tr>
<th>Thread</th>
<th>Material</th>
<th>Hex Size</th>
<th>'L' Length</th>
<th>Finish</th>
<th>Part #</th>
</tr>
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<tbody>
<tr>
<td>1/8 NPT Brass</td>
<td>7/16&quot;</td>
<td>.625&quot;</td>
<td>None</td>
<td>368-67-03061</td>
<td></td>
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<tr>
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<td>.625&quot;</td>
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### Bulb Support Fittings

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<th>'L' Length</th>
<th>'A' Dia</th>
<th>'B' Dia</th>
<th>Finish</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
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<td>.390&quot;</td>
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<td>1.620&quot;</td>
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<td>.315&quot;</td>
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</tbody>
</table>
STEMCO 354 Series Quote Request

Customer: ___________________________ QR#: ___________________________

Attn: ___________________________ Date: ___________________________

Address: ___________________________ 

City: ___________________________ State: ______ Zip: _____________ 

Tel: ___________________________ Fax: ___________________________

Email: ___________________________ 

Salesman: ___________________________ Agency #: ___________________________

Send Quote to: Customer: _______ Rep Agency______ (Check one or both)

Application: ___________________________ 

Comments: ___________________________ 

Est. Yearly Qty: ___________________________ Target Cost: ___________________________

Max. Exposed Temp.: _____ °F. Load_____ Amps. Voltage:____ AC, or DC____

Load: Resistive___, or Inductive___, Terminals: Screws___ or 1/4” QC___

Automatic Reset_____ Is O Required?: Yes___, or No____

Fixed: Open Temp: ______ °F

Adjustable: High Temp:_______ °F, Low Temp:_______ °F.

Calibrate at: High Stop:___, Mid Point:____

Shaft Selection: D-Shaft (for Knob)____, Screw Driver____,

Stem Height: _______" Diameter:_______"

D-Shaft - Flat Dimension:___________" Flat Position:________ O’clock

Note: When specifying a D-Shaft, the O’clock at position is determined with the shaft fully rotated counterclockwise, and with the terminals facing up.

Bulb: Maximum Exposed Temp.:____ °F Max Length:_______" Max Dia._______"

What is Probe___, or Bulb___, Immersed into:______________________

Capillary: Material: Copper___, Nickel Plated Copper___, 1 Pc Stainless Steel___, or

2 Pc Stainless Steel____. Length_______" Max Exposed Temp.____ °F

The following are available options: Select all that apply.

Side Mount: Standard Side Mount:____

Optional Side Mount with Optional Spacer:____

Optional Side Mount: ___________________________

NPT Fittings: 1/8":368-67-30061___, 368-67-03023___

1/4":368-67-03201___, 368-67-03202___, 368-67-03161___


1/2":368-67-03101___, 368-67-03102___, 368-67-03103___

NPT Supports: 1/4":368-67-03241___, 368-67-03242___, 368-67-03243___

Page 3 1/2":368-67-03246___

Fax Quote Request to Customer Service: 419-818-0897