Stop the Leaks! Conserve Water and Energy
Troubleshooting Tips and T&S Repair and Replacement Parts

A leaky faucet that drips at the rate of one drip per second can waste more than 3,000 gallons per year. That translates into substantial money and resource losses. Water shortages and conservation are hot topics, especially in the plumbing industry, and everyone knows that a leaky faucet is both a financial and environmental waste.

We at T&S take great pride in the products we sell. But even the highest quality faucets on the market eventually need repair. This handout shares a few tips for troubleshooting your T&S faucet or pre-rinse units.

If you need it in a hurry, as always we offer our speedy Quick-Ship 24-Hour shipping to your door.

### Where’s The Leak?

**T&S Pre-Rinse Units and Spray Valves**

- **Aerotor or Rosespray leak here?** The O-ring between the outlet tip and nozzle needs replacing: (#001048-45 – swing nozzles) (#001043-45 – rigid goosenecks)
- **Leaking here? It’s likely the Seat Washer at the bottom of the Spindle is worn and needs replacing. If leak doesn’t stop, the Seat may be damaged and need replacing. Also, check Spindle and Bottom Gasket for damage and replacement.**

**T&S Faucets Using Eterna Compression Cartridges**

- **Leaking at base of Bonnet? The Top Gasket is worn out (#002601-45).**
- **Leaking at Coupling Flange? the Coupling Gasket needs replacing (#001019-45).**
- **Leaking at Nozzle base? Swivel O-Ring needs replacing (#001074-45).**

**T&S “Cerama” Ceramic Cartridges (-CR)** are water-saving options available for many of our pre-rinse units and faucets. Look for our -C and -CR series pre-rinses and faucets. Using the T&S Cerama Cartridge helps save, on average, approximately 5.5 GPM* over a standard compression cartridge on a dual temperature faucet.

**T&S Faucets Using Eterna Compression Cartridges**

**Cartridge Comparison**

<table>
<thead>
<tr>
<th>Cartridge Type</th>
<th>Standard Compression Cartridge and T&amp;S Cerama Cartridge*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Compression (not ¼ turn):</strong></td>
<td></td>
</tr>
<tr>
<td>40 psi to both inlets</td>
<td>18.06 GPM</td>
</tr>
<tr>
<td>60 psi to both inlets</td>
<td>23.67 GPM</td>
</tr>
<tr>
<td><strong>T&amp;S Cerama Cartridge (¼ turn):</strong></td>
<td></td>
</tr>
<tr>
<td>40 psi to both inlets</td>
<td>12.73 GPM</td>
</tr>
<tr>
<td>60 psi to both inlets</td>
<td>17.12 GPM</td>
</tr>
</tbody>
</table>

* Data from testing B-0230 faucet with standard 18” nozzle, with index tip (screen outlet), no aerator

**Broken Hose? (B-0044-H; other sizes are available).**

**A leak here means the Hose Washer needs replacing (#001014-45).**

**Leaking at base of Handle? Washer needs replacing (#010476-45).**

**Leak here? Replace Rubber Bumper (B-24K**).**

**Drippy leak here? Replace Bonnet assembly (#002856-40).**

**A leak at the base of the Bonnet?** Washer needs replacing (#010476-45).

**Where’s The Leak?**
How Can You Conserve Water and Energy FAST?

Water Conservation Comparison Chart

Standard Spray Valve and B-0107-C Spray Valve

Assumptions:
1. 15 minutes/hour x 10 hours/day x 6 days/week x 50 weeks/year = 45,000 minutes/year
2. Water supplied at 60 PSI

A Standard spray valve flows 4.25 GPM at 60 PSI, 140°F; B-0107-C spray valve flows 0.65 GPM at 60 PSI, 140°F, SAVING 3.60 GPM

Water Savings Per Year using B-0107-C Low Flow Spray Valve vs. Standard Spray Valve:
45,000 min/year x 3.60 GPM = 162,000 gal/year SAVED

Summary of Flow Testing:

<table>
<thead>
<tr>
<th>Inlet Pressure</th>
<th>Standard Spray Valve</th>
<th>B-0107-C Low Flow S.V.</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 PSI</td>
<td>4.25 GPM</td>
<td>0.65 GPM</td>
</tr>
</tbody>
</table>

NOTES

---

T&S B-0107-C
Low Flow Spray Valve

T&S Eterna and Cerama Cartridges

For Standard Faucets
Ref. Part No.
Hot Side 002714-40
Cold Side 002713-40

1 001022-45 Bottom Gasket
2 000788-20 Removable Insert (Hot) 64L
3 000789-20 Removable Insert (Cold) 66L
4 000933-45 Seat Screw
5 001092-45 Seat Washer
6 000811-25 Spindle (Hot) 18L
7 000812-25 Spindle (Cold) 16L
8 002601-45 Top Gasket
9 009744-45 Bonnet
10 001098-45 Bonnet Seal Packing
11 000718-25 Packing Nut
12 003164-45 Spring Check Seat
13 001638-45 Lever Handle (Blank)
14 001637-45 Lever Handle (Hot)
15 001636-45 Lever Handle (Cold)
16 001479-45 Spring
17 001466-20 Quarter Turn Sleeve
18 001661-45 Index, Red (Hot)
19 001660-45 Index, Blue (Cold)
20 011616-25 Hot
21 011617-25 Cold
22 011618-25 Hot with Check Valve
23 011619-25 Cold with Check Valve
24 011278-25 Hot
25 011279-25 Cold
26 012394-25 Hot with Check Valve
27 012395-25 Cold with Check Valve

---

T&S Brass and Bronze Works, Inc.
2 Saddleback Cove • Travelers Rest, SC 29690 • Phone (800) 476-4103 • Fax (800) 868-0084
West Coast Sales and Distribution • 4596 Ish Drive, Unit 220 • Simi Valley, CA 93063 • Phone (800) 423-0150

RELIABILITY BUILT IN™

T&S Brass and Bronze Works, Inc.