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.

**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 around Handle?** Worn Packing needs replacing. Remove Bonnet Nut to replace (#001098-45).
- **Leaking at Nozzle base?** Swivel O-Ring needs replacing (#001074-45).
- **Leaking at base of Handle?** Washer needs replacing (#0010476-45).
- **A leak here means the Hose Washer needs replacing (#001014-45).**
- **Broken Hose?** (B-0044-H; other sizes are available).
- **Aerator or Rosespray leak here?** The O-ring between the outlet tip and nozzle needs replacing: (#001048-45 – swing nozzles) (#001043-45 – rigid goosenecks)

**Where’s The Leak?**

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

- **Drippy leak here?** Replace Bonnet assembly (#002856-40).
- **A leak here means the Hose Washer needs replacing (#001014-45).**
- **Leaking at base of Handle?** Washer needs replacing (#010476-45).
- **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.**
- **Leaking around Handle? Worn Packing needs replacing. Remove Bonnet Nut to replace (#001098-45).**
- **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.

**Cartridge Comparison**

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

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

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

- **Drippy leak here?** Replace Bonnet assembly (#002856-40).
- **A leak here means the Hose Washer needs replacing (#001014-45).**
- **Leaking at base of Handle?** Washer needs replacing (#010476-45).
- **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.**
- **Leaking around Handle? Worn Packing needs replacing. Remove Bonnet Nut to replace (#001098-45).**
- **Leaking at Nozzle base?** Swivel O-Ring needs replacing (#001074-45).

**Where’s The Leak?**

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

- **Drippy leak here?** Replace Bonnet assembly (#002856-40).
- **A leak here means the Hose Washer needs replacing (#001014-45).**
- **Leaking at base of Handle?** Washer needs replacing (#010476-45).
- **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.**
- **Leaking around Handle? Worn Packing needs replacing. Remove Bonnet Nut to replace (#001098-45).**
- **Leaking at Nozzle base?** Swivel O-Ring needs replacing (#001074-45).
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>

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

**T&S Eterna and Cerama Cartridges**

**NOTES**

---

**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