RELIABILITY BUILT IN™
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T&S Brass Water and Energy Conservation

Stop the Leaks! Conserve Water and Energy

Troubleshooting Tips and T&S Repair and Replacement Parts

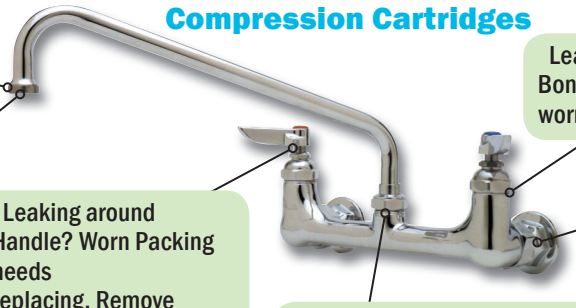
A leaky faucet that drips at the rate of one drip per second can waste more than 3,000 gallons per year. That translates into substantial money and resource losses. Water shortages and conservation are hot topics, especially in the plumbing industry, and everyone knows that a leaky faucet is both a financial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

T&S Faucets Using Eterna Compression Cartridges



Aerator 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.

Leaking around Handle? Worn Packing needs replacing. Remove Bonnet Nut to replace (#001098-45).

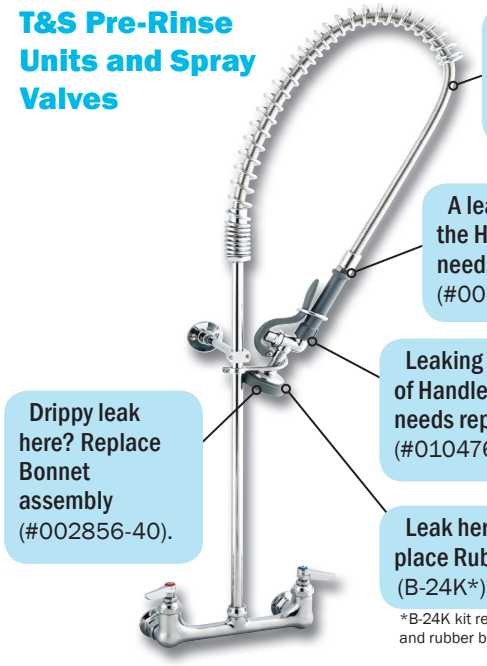
Leaking at Nozzle base? Swivel O-Ring needs replacing (#001074-45).

Leaking at base of Bonnet? The Top Gasket is worn out (#002601-45).

Leaking at Coupling Flange? the Coupling Gasket needs replacing (#001019-45).

Where's The Leak?

T&S Pre-Rinse Units and Spray Valves



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).

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

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

*B-24K kit replaces spray face and rubber bumper

T&S Cerama Cartridge

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
Standard Compression Cartridge and T&S Cerama Cartridge*

Standard Compression (not ¼ turn):
40 psi to both inlets = **18.06 GPM**
60 psi to both inlets = **23.67 GPM**

T&S Cerama Cartridge (¼ turn):
40 psi to both inlets = **12.73 GPM**
60 psi to both inlets = **17.12 GPM**

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

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:
Standard Spray Valve and B-0107-C:

Inlet Pressure	Standard Spray Valve	B-0107-C Low Flow S.V.
60 PSI	4.25 GPM	0.65 GPM

NOTES

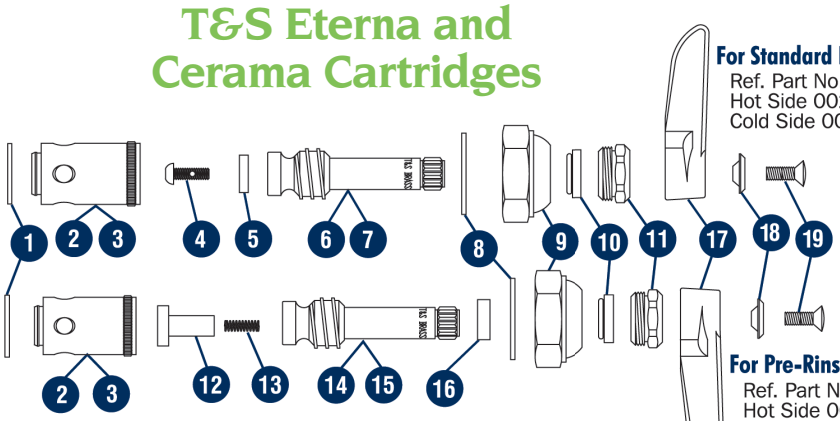
T&S B-0107-C Low Flow Spray Valve

Alliance for Water Efficiency MEMBER

U.S. GREEN BUILDING COUNCIL MEMBER

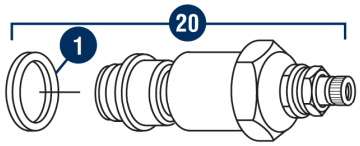
EPA WaterSense PARTNER

T&S Eterna and Cerama Cartridges



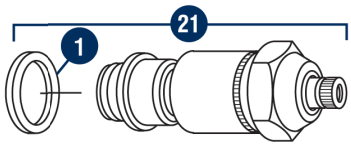
For Standard Faucets
Ref. Part No.
Hot Side 002714-40
Cold Side 002713-40

For Pre-Rinse Units
Ref. Part No.
Hot Side 002712-40
Cold Side 002711-40



Cerama with Eterna Escutcheon Bonnet

Cerama Cartridge with Escutcheon



Cerama with Eterna Cerama Bonnet

Cerama Cartridge without Escutcheon

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	001479-45	Spring
14	001907-25	Spindle (Hot) 264L
15	001908-25	Spindle (Cold) 263L
16	001466-20	Quarter Turn Sleeve
17	001638-45	Lever Handle (Blank)
	001637-45	Lever Handle (Hot)
	001636-45	Lever Handle (Cold)
18	001661-45	Index, Red (Hot)
	001660-45	Index, Blue (Cold)
19	000922-45	Lever Handle Screw
20	011616-25	Hot
	011617-25	Cold
	011618-25	Hot with Check Valve
	011619-25	Cold with Check Valve
21	011278-25	Hot
	011279-25	Cold
	012394-25	Hot with Check Valve
	012395-25	Cold with Check Valve

T&S RELIABILITY BUILT IN™

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