SYMMONS® SCOT®/Metering

the smart choice™

SLS-7000 Series
Metering Lavatory Faucet
Operation & Maintenance Manual

Model Numbers

☐ **SLS-7000**
SCOT Metering Lavatory Faucet

Modifications

☐	**-BH**	*Braided hose*
☐	**-C**	*Cold marking on cap in place of standard cap*
☐	**-DP**	*8" deck plate*
☐	**-DP4**	*4" deck plate*
☐	**-G**	*Grid drain*
☐	**-H**	*Hot marking on cap in place of standard cap*
☐	**-ML**	*Maxline thermostatic mixing valve for temperature selection*
☐	**-MV**	*Mechanical mixing valve for temperature selection*
☐	**-OFG**	*Offset grid strainer*
☐	**-QC**	*Quick close cartridge*
☐	**-STE**	*8" supply tube extensions with compression couplings*

Note: Append appropriate -suffix to model number.

Specification

Metering lavatory faucet features single hole mount and 1/2" IPS male supply connection for cold or tempered water. Vandal resistant 0.5 gpm (1.9 L/min) aerator limits water flow to a maximum of 0.25 gpc (0.95 L/cyl) @ 60 psi with a maximum 30 second closing time. Faucet constructed from brass, plated in standard polished chrome finish.

Compliance

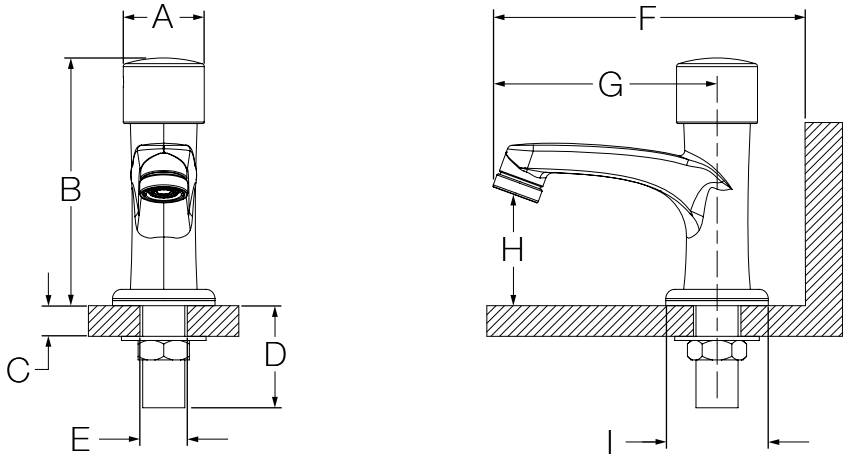
-ASME A112.18.1/CSA B125.1
-NSF/ANSI 61.9, NSF/ANSI 372

C US

Warranty

Limited Lifetime - to the original end purchaser in consumer/residential installations.
5 Years - for industrial/commercial installations.
Refer to www.symmons.com/warranty for complete warranty information.

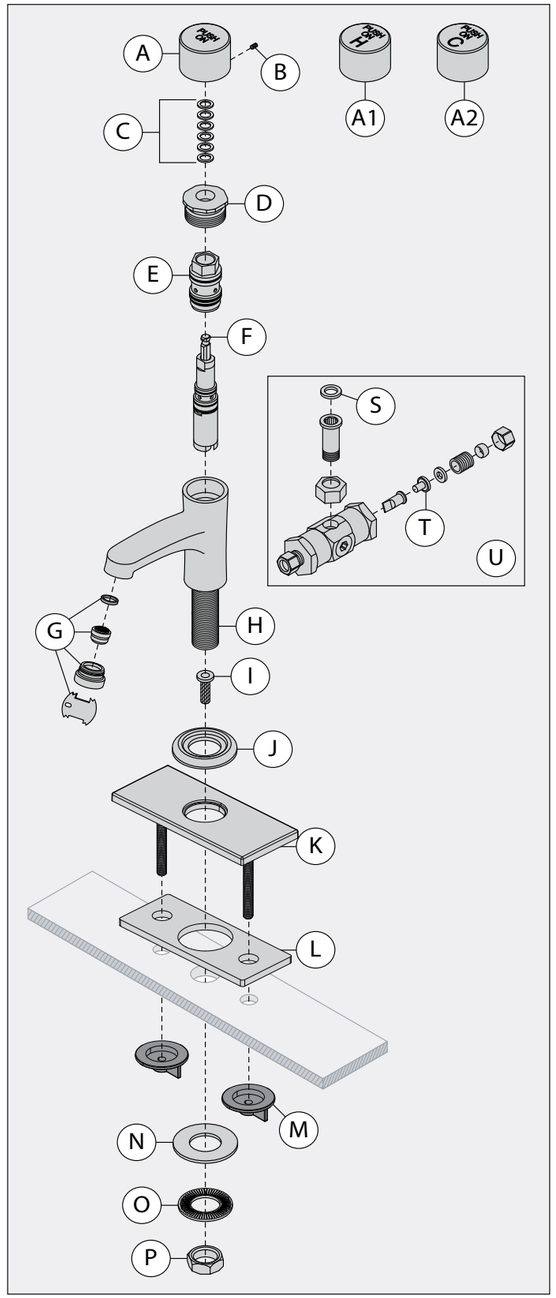
Dimensions



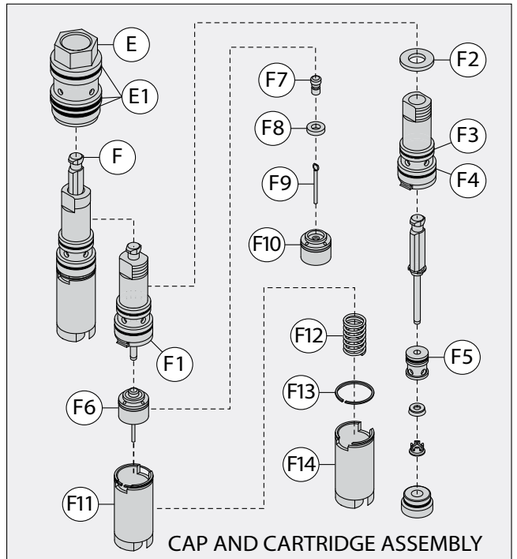
Measurements	
A	Ø 1-5/8", 41 mm
B	4-15/16", 125 mm
C	Deck Thickness Ref. Min. 5/8", 16 mm Max. 1-1/8", 29 mm
D	2", 51 mm
E	Hole Size Min. Ø 7/8", 22 mm
F	5-3/8", 137 mm
G	4-3/8", 111 mm
H	2-1/16", 52 mm
I	Ø 2", 51 mm

Note: Dimensions subject to change without notice.

Parts Breakdown



Note: Apply plumber tape to all threaded connections.



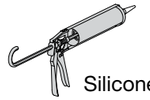
CAP AND CARTRIDGE ASSEMBLY

Replacement Parts		
Item	**Description**	**Part Number**
A	Handle Kit	RL-293
A1	Hot Handle Kit	RL-296H
A2	Cold Handle Kit	RL-296C
B	Set Screw	LL-27
C	Cycle Timing Washers (6)	LL-28
E	Upper Housing	LL-3N
E1	Upper Housing O-rings (3)	LL-48
E1 F3 F4 F5 F10	Upper Housing O-rings (3) Cartridge O-ring Cartridge O-ring Guide O-ring Piston Quadring	RL-272
F	Cartridge Quick Closing Cartridge	LL-1A LL-1B
F1 F6	Control Spindle Kit Piston Assembly	RL-266
F6	Piston Assembly	LT-4AA
F11	Piston Spring/Cylinder	RL-267
G	0.5 gpm Vandal Resistant Aerator Kit with Key	RL-292
I	In-line screen	LL-101
K L M	**Optional** 4" or 8" Deck Plate 4" or 8" Deck Plate Gasket Mounting Screws	4": USDP4 8": USDP8
N	Washer	MV-10
O	Checks	MV-107
P	Mechanical Mixing Valve	4-10C

Installation / Tools Required

Adjustable Wrench

Allen Wrench: 2.5 mm



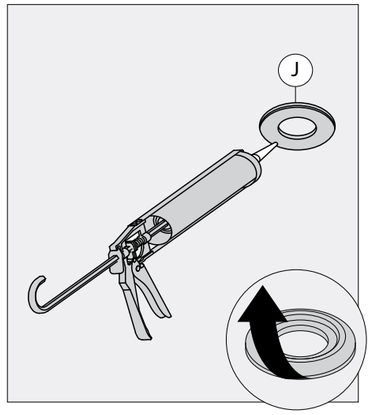
Silicone

Plumber Tape

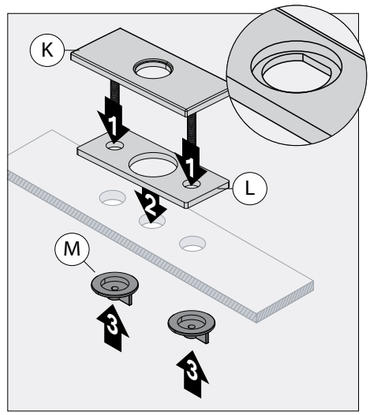
Water lines MUST be thoroughly flushed BEFORE and AFTER installing the faucet to prevent foreign matter i.e. copper chips, sand, stones, etc. from clogging and possibly damaging the sealing surfaces of the cartridge.

Notes: 1) Recommended minimum operating water supply pressure is 40 psi.
2) Supply stop valves must have 3/8" O.D. compression outlet.

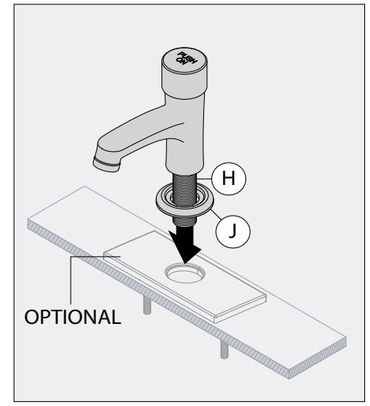
1) Apply a bead of silicone to the underside of escutcheon (J). **DO NOT** apply silicone bead if using optional deck plate.



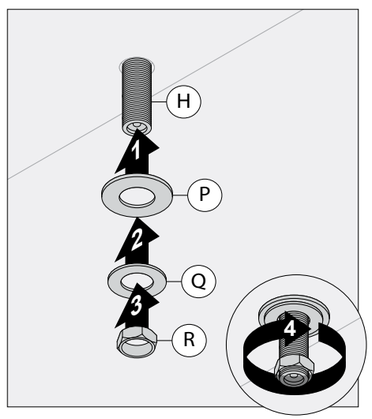
2) **Optional:** Install mounting gasket (L) and deck plate (K) to deck surface with flat in center hole facing towards back of sink. Secure with mounting hardware (M).



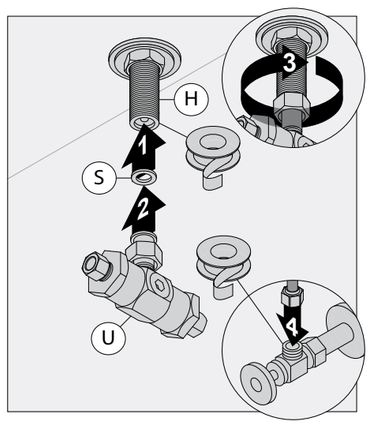
3) Install faucet body (H) and escutcheon (J) to deck surface.



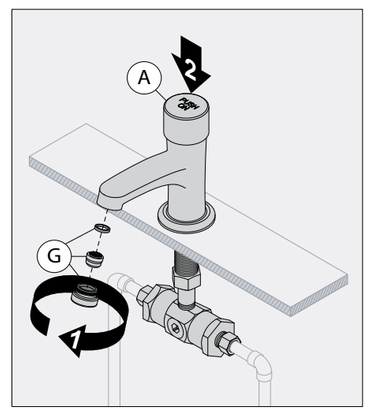
4) Place mounting washer (P) and locknut (Q) onto faucet body (H). Secure hardware by tightening mounting nut (R) clockwise.



5) Connect washer (S) and mechanical mixing valve (U) to bottom of faucet body (H). Make connection to water supplies using appropriate fittings.



6) Remove aerator (G). Open cold supply, holding down handle (A) for 10 seconds. Open hot supply and repeat above procedure. Allow faucet to shut off and replace aerator.

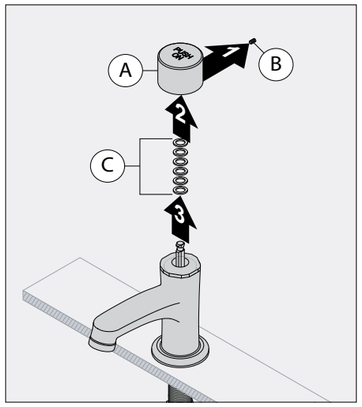


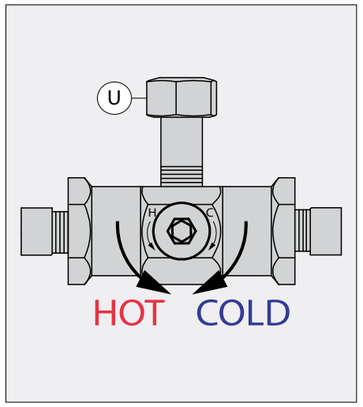
Installation (adjustments)

1) After faucet has been operated through a number of cycles, and supply water temperature is at desired level, adjustments to these features can be made.

2) Faucet is factory set to shortest cycle time with 6 cycle timing washers (C). **To increase time**, loosen set screw (B), remove handle (A) and remove one or more of the washers. **To reduce time**, add washers. Reassemble faucet reversing above procedure.

3) **To adjust temperature** insert 1/4" allen wrench into hex socket in center of mechanical mixing valve (U). **To increase temperature** turn counter-clockwise. **To decrease temperature** turn clockwise (110°F recommended).





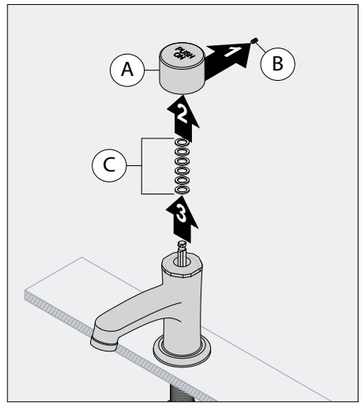
Note: When setting MAXIMUM cycle time, you MUST maintain at least 3 timing washers (C) so as not to exceed .25 gal/cyl at 60 psi (per ASME A112.18.1)

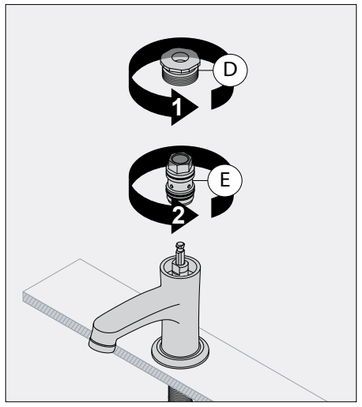
Maintenance

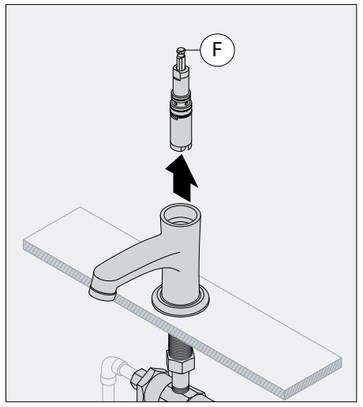
1) Loosen set screw (B), remove handle (A) and remove cycle timing washers (C).

2) Remove bushing (D) and upper housing (E).

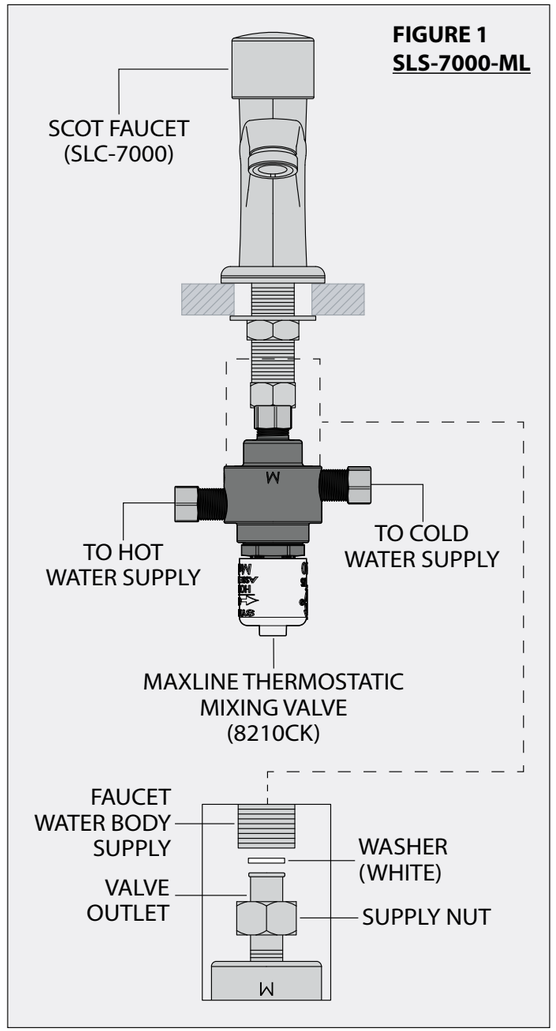
3) Remove cartridge (F) and inspect for debris. Replace cartridge if necessary. Reassemble faucet reversing procedure outlined in Steps 1 & 2.







Installation with MAXLINE™ Thermostatic Mixing Valve



For applications using MAXLINE thermostatic mixing valve.

1) Turn off water supplies.

2) Connect thermostatic mixing valve to faucet water body supply using the supply nut and washer provided (see Figure 1 for reference).

3) Connect hot water supply and cold water supply to thermostatic mixing valve.

4) Remove aerator from faucet. Open cold supply, holding down handle for 10 seconds. Open hot supply and repeat above procedure. Allow faucet to flush lines to prevent foreign matter i.e. copper chips, sand, stones, etc. from clogging and possibly damaging the sealing surfaces of the faucet cartridge. Replace aerator.

Troubleshooting Chart

Problem	Cause	Solution
Faucet runs too long or too short.	Cycle timing washers have not been adjusted.	Remove handle (A) then add cycle timing washers (C) to stem to shorten time or remove washers to lengthen time.
Faucet drips.	Seat washer worn or foreign matter (chips, dirt, solder, etc.) is between washer and seat surface.	Disassemble cartridge (F) and remove piston* (F6). Remove screw (F7) and clean seat washer (F8). Check control rod pin (F9) for burr then reassemble.
Faucet runs constantly.	Seat washer not closing on seat surface or seat washer and/or seat surface is worn.	Remove piston (F6) and spring** (F12). Check for burr on pin (F9) and check spring. Both piston and spring may have to be replaced. Excessive wear may require cartridge (F) replacement.
Not enough flow from faucet.	In-line screen is clogged.	Disassemble supply to faucet. Remove in-line screen (I) in inlet to faucet. Rinse screen with water or deliming agent. Reassemble faucet supply.
Water leaks from under handle.	Stem washers worn.	Remove cartridge (F) and replace housing o-rings (E1). If leak persists replace control spindle kit (F1).
Faucet leaks on or under counter.	Supply housing o-rings worn.	Replace housing o-rings (E1).
Faucet leaks under counter.	Mechanical mixing valve connections not seated properly.	Check connections on mechanical mixing valve (U).
Faucet bleeding between hot and cold, not holding consistent temperature.	Integral checks in mechanical mixing valve not operating properly.	Clean and replace integral checks (T) in mechanical mixing valve (U).
Handle is loose.	Set screw has loosened.	Tighten set screw (B).
Handle is sticking to cartridge.	Accumulation of sediment in cartridge.	Remove handle (A) and all cycle timing washers (C) from cartridge (F). Secure handle back onto cartridge. Cycle faucet by pressing down on handle. Cycle faucet 12 times. Remove handle and replace timing washers.
Finish is spotting.	Elements in water supply may cause water staining on finish.	Clean finished trim area with a soft cloth using mild soap and water or a non-abrasive cleaner and then quickly rinse with water.

Notes: *1) Use caution not to damage piston quadring (F10) while servicing piston assembly (F6).
**2) Do not squeeze ends of spring (F12) causing spring to fully compress.

⚠ **WARNING:** This product can expose you to chemicals including lead, which is known to the state of California to cause cancer, birth defects, or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.