

## Lavatory Faucet

### S-244 Series

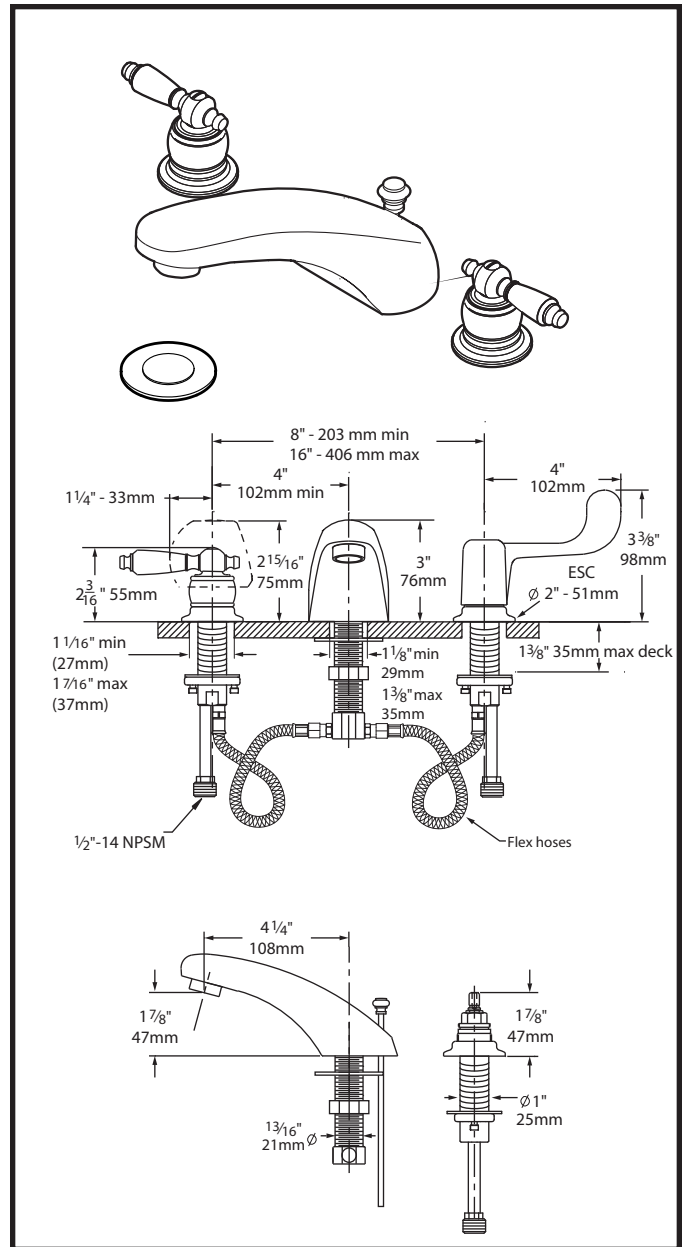
#### INSTALLATION, OPERATION AND SERVICE INSTRUCTIONS

Faucet meets ANSI A112.18.1M Flow rate: 2.2 gpm (8.3 L/min)

**Caution: Be sure to turn off hot and cold water supplies before installing or servicing faucet.**

#### INSTALLATION:

1. Push valve bodies through holes in sink from underneath. Make sure flange nuts and mounting washers are on underside of sink. Valve marked Hot is on the left and Cold is on the right. Put gasket (LN-129) over valve body. Thread escutcheon (LN-128) onto valve bodies. The top of the valve spindle should measure 1-7/8" from mounting surface (See rough in drawing).
2. Thread collar (LN-112 or LN-160) on to valve body until it reaches the escutcheon (LN-128). Tighten flange nuts from underneath sink. Secure with mounting screws if necessary.
3. LCT or LWG handle installation: Place bushing (LN-115 or LN-154) on valve spindle. Turn valves to off position (LCT style: turn clockwise, LWG, LCF, LPO and LAM style: turn hot clockwise, turn cold counterclockwise). Place handle (LN-131 or LN-151) on bushing. Thread screw (LN-146 or LN-121) into valve and push plug button (T-33R and T-33B) into top of handle. LCF, LPO and LAM handle installation: Place lever part of handle on valve spindle and thread screw (LN-134) into valve.
4. Install spout (LN-124) and centerbody (LN-141) through center in sink hole from above sink. Secure spout to sink with washer (LN-138) and nut (SPF-26). Washer (LN-138) flat should face back of the sink. Thread tee (LN-141) to bottom of centerbody (LN-141).
5. Thread flex hose adapters into tee (LN-141) using pipe dope or teflon tape on the adapter threads. Attach flex hoses to flex hose adapters.
6. Connect hot supply to left tube and cold supply to right tube using appropriate connectors.
7. Pop-up drain installation:
  - a) Remove pop-up plug, tail piece and flange from the drain body. Make sure that locknut is threaded all the way down onto the body with flat friction washer in middle and beveled washer on top.
  - b) Apply plumbers putty or sealant to bottom of flange.
  - c) Install drain body through drain opening in lavatory and screw flange onto the drain body making sure that the threads are completely engaged for proper sealing and strength of the connection. Apply joint compound to all threaded parts to insure proper seal. Apply putty or teflon tape to tail piece before attaching to drain body.
  - d) Tighten locknut to compress the beveled flange evenly across the bottom of the drain opening taking care not to over tighten the locknut, causing damage to the lavatory.
  - e) Remove one of two ball washers from inside the threaded cavity. Insert pop-up plug and pivot rod into body. Add one ball washer (the second ball washer should remain inside the body) to the outside of the ball. Tighten the retaining nut until the ball is seated on the internal and external ball washers. Note: The pop-up plug can be installed in the removable or non-removable position, depending on the location of the hole located in the guide at the bottom of the plug.
  - f) Slide the pivot rod through one side of the spring clip, then the appropriate adjustment hole and then other side of the spring clip.
  - g) Insert lift rod through faucet housing and the top of the lift strap and secure it in place by tightening the screw. Note: To insure proper operation of lift rod and pop-up, some adjustment of the linkage may be required. There are two possible adjustment points: 1) lift strap to lift rod and 2) lift strap to pivot rod.



8. It is very important to thoroughly flush the supply lines to prevent foreign matter, i.e. copper chips, sand, stones, etc. from damaging the sealing surfaces of cartridge. Remove aerator and open hot and cold to full open then open both supplies. Let water run through hot and cold long enough to flush supply lines thoroughly. Shut off faucet and replace aerator. Check for leaks.

#### To replace cartridge (KN-113 or KN-114):

1. Remove plug button (T-33, T-33R or T-33B), loosen Philip head screw (LN-121) and remove handle, LN-131, LN-151 or LN 152.
2. Remove collars LN-160 or LN-112 by turning counter clockwise, do not use wrench as this may damage the surface finish.
3. Place wrench on cartridge hex nut (KN-113, KN-114). Turn wrench counter clockwise until cartridge is removed.
4. Install new cartridge. Turn cartridge with wrench until cartridge does not turn easily then turn 1/4 to 1/2 turn further. Reassemble handle in reverse fashion.