1

# SANI-LAV. FRODUCTS

# **Operating Manual for Hands-Free Floor Mount Stainless Steel Scrub Sink**

Models 531F1 and 531F1-0.5





Columbia does not recommend use with harsh chemicals. **Product Compliance** NSF/ANSI 2 Food Equipment, NSF/ANSI 372 Low-Lead





## Parts List

(1) Floor mount sink
(1) Leg assembly set
(6) Nuts, bolts and washers for leg assembly
(4) Nuts and washers for connecting sink to leg assembly
(1) Single foot pedal valve
(4) Valve mounting nuts
(1) Swivel gooseneck spout with aerator
(1) Connecting tube for valve to spout connection
(2) Fittings, brass, 0.375" male compression and 0.375" male NPT
(1) Mixing check valve
(1) Strainer assembly with basket

## **Installation Instructions**

#### Step 1

- 1. Attach upper and lower leg support brackets to legs with hardware (provided).
- 2. Place wash station sink on leg assembly and secure with hardware (provided).
- 3. Establish sink location.
- 4. Mark the floor where the four holes are at the base as shown in illustration A.
- 5. Drill holes as required for mounting hardware. (Hardware not included).

#### Step 2

- 1. Install spout assembly to the sink.
- 2. Install elbow fitting (provided) to the spout assembly.
- 3. Connect one side of the supply line (provided) to the spout assembly.
- 4. Install strainer assembly.

#### Step 3

- 1. Install mixing check valve and elbow fitting to valve.
- 2. Install foot pedal valves under the leg assembly cross bar if not mounted already.
- 3. Attach connecting tube from the spout to the foot pedal valve.

#### Step 4

- 1. Secure wash station to floor.
- 2. Connect waste line to strainer assembly.
- 3. Connect water supplies (hot and cold) to the mixing check valve.

#### Step 5

- 1. Remove aerator from the spout assembly and flush water line by pressing pedal for 30 seconds.
- 2. Check connections for leaks. Replace aerator onto the spout assembly.
- 3. Seal gap between bowl and leg assembly as shown in illustration B.
- 4. When mounting against wall, we recommend sealing top of backsplash to wall as shown in illustration C.

Go to columbiasinks.com for more information on replacement parts and installation videos.

## HANDS-FREE FLOOR MOUNT SCRUB SINK

#### **Tools Required**

Tape measure
Adjustable wrench
Drill motor and drill bits
Pipe wrench
Level
Safety glasses
Screw drivers: phillips and standard
Pencil
Socket wrench



Illustration A



Illustration B



Illustration C



Notice for California Consumers

WARNING: This product can expose you to chemicals including Chromium (hexavalent compounds), Lead, and Phthalates (DEHP) which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

NOTE: Lead content originates from Brass components in valves and faucets and is certified under NSF/ANSI 372 as containing less than 0.25% lead in wetted surfaces.

3

## **Trouble Shooting Guide**

Problem Possible Cause		To Diagnose	Remedy	
Water drips from spout or valve stem assembly.	Flat washer on the stem/plunger is worn.	To determine if the leak source is from the hot or cold side shut cold water source off. See if water still leaks from the spout. If leak continues then repair hot side if not repair cold side.	We recommend installing valve repair kit.	
Water leaks from the front of the valve.         O-Rings on the plunger are worn out		Visually determine whether the cold or hot side is leaking.	We recommend replacing threaded insert, plunger assembly & spring. See illustrations below.	

## **Valve Repair Instructions**

Note: Valves are designed to be repaired without having to be disconnected from mount or plumbing.

- 1. Turn off water source. Do not remove valve from sink.
- 2. Remove pedal assembly using a 15/16" open end wrench or socket wrench. As shown in illustration A.
- 3. Using a 1" deep socket wrench remove insert assembly parts as show in illustration B.
- 4. Replace with new repair kit as shown on illustration C.
- 5. Reinstall pedal assembly and turn water source on.



Illustration A





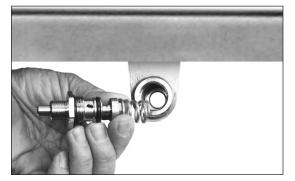
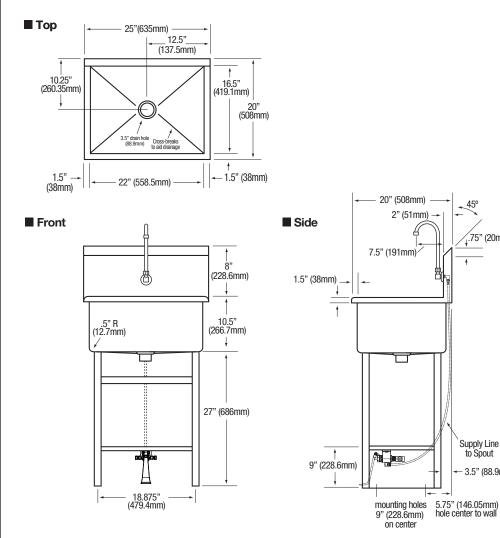


Illustration C

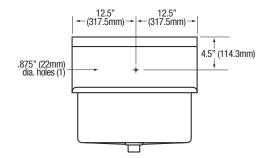


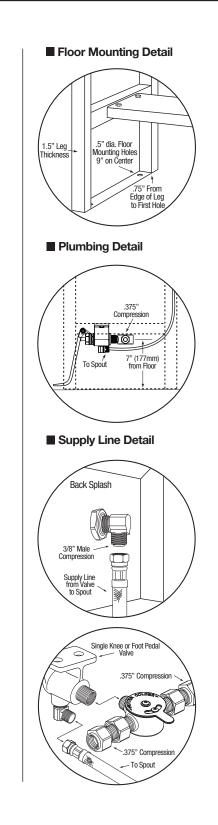
# HANDS-FREE FLOOR MOUNT SCRUB SINK

4



#### Hole Configurations





**45**⁰

,.75" (20mm)

Supply Line to Spout

3.5" (88.9mm)

COLUMBIA PRODUCTS 800.626.2117 • columbiasinks.com • info@columbiasinks.com

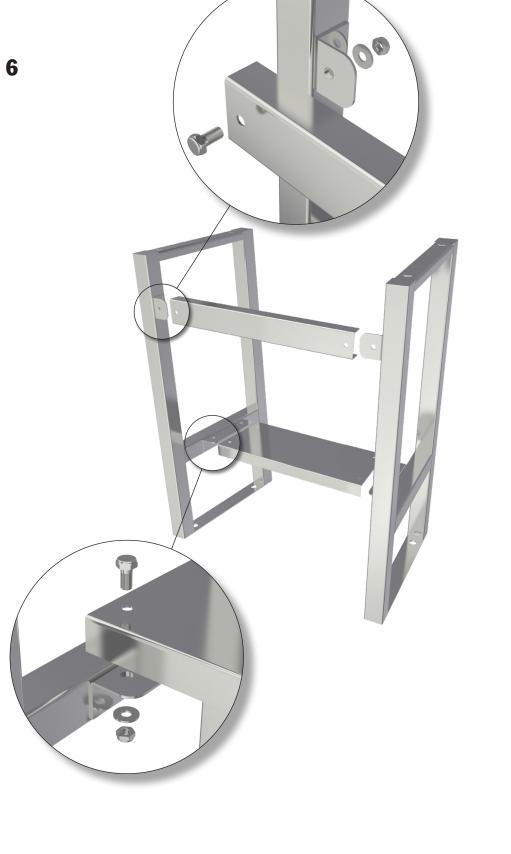
©2021 Columbia Products

HANDS-FREE FLOOR MOUNT SCRUB SINK

5

# Leg Assembly





# REPLACEMENT PARTS

6

# **Replacement Parts**

IMA:       Deciption       Application         IS: IMA:       Operated, Store To No.       IOV/1002 (S) (L)         IS: IMA:       Operated, Store To No.       IOV/1002 (S) (L)         IS: IMA:       Operated, Store To No.       IOV/1002 (S) (L)         IS: IMA:       Operated, Store To No.       IOV/1002 (S) (L)         IS: IMA:       Operated, Store To No.       IOV/1002 (S) (L)         IS: IMA:       Operated, Store To No.       IOV/1002 (S) (L)         IS: IMA:       IMA:       IMA:         I		placen		
<ul> <li>B) 192 Operated. Synth Tool 101/102 (S) (L)</li> <li>B) 192 Operated. Synth Tool 101/102 (S) (L)</li> <li>B) 192 Operated. Synth Sol (S) (S) (S) (S) (S) (S) (S) (S) (S) (S)</li></ul>				
ID 103       Operated, Knee       109/110/111/12(8)(L)         ID 1049       Dot & ML Set (Stainless)       AI Single Values         ID 1051       Dirac & ML Set (Stainless)       AI Double Values         ID 1053       Dirac & ML Set (Stainless)       AI Double Values         ID 1053       Dirac & ML Set (Stainless)       AI Values         ID 1053       Dirac & ML Set (Stainless)       AI Values         ID 1054       Dirac & ML Set (Stainless)       AI Values         ID 1055       Purger Assemtry (Stainless)       AI Values         ID 1051       Pastacement Hill (Stainless)       AI Values         ID 1051				
10 10 00 80 k.M. stel (Staniness) All Single Valves   10 100 Boaket All Solds All Doade Valves   10 1003 Broaket All Doade Valves   10 1003 Broaket All Doade Valves   10 1003 Broaket All Solgs   10 1053 Broaket All Nakes   10 1055 Punger Assembly (Low Load) All Valves   10 1055 Broaket All Valves   10 1055 Stringer Assembly (Low Load) All Valves   10 1055 Broaket All Valves   10 1055 Regleacment Re (Low Load) All Valves   10 C C C   10 Defit Rever or Foot Put   10 Regleacment Re (Low Load) All Valves   10 Defit Rever or Foot Put   10 Regleacment Re (Low Load) All Valves   10 Regleacment Re (Low Load) All Valves   10 Regleacment Re (Low Load) Regleacment Re (Low Load)   10 Regleacmen				
E 1020 Jam Mat (Sintines) All Double Valees E 1020 Jam Mat Set (Stainless) All Double Valees E 1020 Transdorf metri (Low Lead) All Valees E 1020 Transdorf metri (Low Lead) All Valees E 1020 SP Purger Assembly (Low Lead) All Valees E 1020 SP Purger Assembly (Low Lead) All Valees E 1025 Purger				
F: Dod. Bott X. Nus Str Stanness): All Dode Valees         G: 1052       Brockett         1053       Threaded Intert (Low Lead): All Valees         G: 1055       Punger Assembly (Low Lead): All Valees         G: 1056       Punger Assembly (Low Lead): All Valees         G: 1057       Body onk, Double Wale (Low Lead): All Valees         G: 1058       Threaded Intert (Stainless): All Valees         G: 1058       Replacement Kit (Low Lead): All Values         G: 1059       Replacement Kit (Low Lead): All Values         G: 1051       Replacement K				
Bit 1052 Threaded Insert Low Ladi Al Volves   Bit 1053 Threaded Insert Low Ladi Al Volves   Bit 1055 Plurger Assembly (Stathes)   Bit 1057 Body onty, Gotte Volve Lodi Al Volves   Bit 1058 Body onty, Gotte Volve Lodi Al Volves   Bit 1058 Body onty, Gotte Volve Lodi Al Volves   Bit 1058 Body onty, Gotte Volve Lodi Al Volves   Bit 10518 Replacement RL (Stathes)   Bit 10518 Replacement RL (Stathes				
B 1093       Treaded Inset (Jox Lead)       All Valves         I 1053       Bracket       All Valves         B 1055       Plunger Assentby (Jox Lead)       All Valves         B 1058       Book ont, Sigle Valves       All Valves         B 1058       Ploy ont, Sigle Valves       All Valves         B 1058       Ploy ont, Sigle Valves       All Valves         B 1058       Ploy ont, Sigle Valves       All Valves         B 1051       Replacement Kit (Jox Lead)       All Valves </th <th></th> <th></th> <th></th> <th></th>				
I 1035 Trended Insert (Stainless) All Valves I 1056 Planger Assembly (Lou Lead All Valves I 1056 Springer Assembly (Stainless) All Valves I 1058 Body only, Goule Valve Lood All Valves I 1051 Replacement Kit (Nainless) All Valves I 1051 Replaceme				
I 1064       Breaket       All Single Velves         I 1065       Piunger Assembly (Low Lead)       All Velves         I 1065       Song (Samless)       All Velves         I 1061       Replacement Vol. (Low Lead)       All Velves         I 10615       Replacement Vol. (Low Lead)       All Velves         I 10615       Replacement Vol. (Low Lead)       I/2* NPT Inter         I 10615       Replacement Vol. (Low Lead)       I/2* NPT Inter         I 10615       Replacement Vol. (Low Lead)       I/2* NPT Inter         I 10615       Replacement Vol. (Low				
I 1055       Plunger Assembly (Low Lead)       Al Valves         I 10565       Plunger Assembly (Low Lead)       Al Valves         I 1057       Body only. Single Valve       Al Single Valves         I 10515       Replacement KI (Low Lead)       Al Valves         I 10515       Replacement KI (Stainless)       IV Valves         I 10515       Replacement KI (Stainless)<				
L 1085 Pruger Assembly (Stainless) All Valves 10 1075 Body only, Snigle Valve All Single Valves 10 1081 Beptacement KI (Lov Lead) All Valves 10 1081 Reptacement KI (Lov Lead) All Valves 10 1081 Reptacement KI (Stainless) All Valves 10 1081 Reptacement KI				
M1 1056       Spring (Slainless)       All Values         IS1027       Dody only, Single Value (Low Lead)       All Dodbe Values         I01058       Dodg only, Single Values       All Values         I01051       Replacement Kit (Low Lead)       I/2* NPT Intel         I01051       Replac				 1/2 NPT milets
N       1057       Body only, Double Value (Low Lead)       All Single Values         0       1058       Body only, Single Value       All Single Values         0       10515       Replacement KI (Usu Lead)       All Values         0       10515       Replacement KI (Usu Lead)       All Values         0       10515       Replacement KI (Usu Lead)       All Values         0       0       0       N       N         0       10615       Replacement KI (Usu Lead)       All Values       N         0       10615       Replacement KI (Usu Lead)       All Values       N         0       10615       Replacement KI (Usu Lead)       All Values       N         0       10615       Replacement KI (Usu Lead)       N       N         0       N       10615       Replacement KI (Usu Lead)       N         10       N       N       N <th></th> <th></th> <th></th> <th></th>				
1058       Body only, Single Value       All Single Values         10511       Replacement Kit (Low Laad)       All Values         10513       Replacement Kit (Stainless)       All Values         Outble Knee or Foot Pedal       Image: Contrast of the state of th				
P       10611       Replacement Kit (Low Lead)       All Valves         Q       10615       Replacement Kit (Stainless)       All Valves         Duble Knee or Foot Pedal       V       V       V         P       10611. Replacement Kit Indudes       1/2" NPT Intet         P       10613. Stappacement Kit Indudes       1/2" NPT Intet         P       10613. Replacement Kit Indudes       1/2" NPT Intet         R       R       R       R         I       Interview       Interview       Interview         I </th <th></th> <th></th> <th></th> <th></th>				
I 1011       Replacement K4 (Stainless)       All Values         I 1011       Replacement K4 (Stainless)       All Values         I 1011       I Values       IIII         I 1011       I Values       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				
Duble Knee or Foot Pedal				
Ouble Knee or Foot Pedal       I </th <th><u>v</u></th> <th>10010</th> <th>Replacement Nit (Stainless)</th> <th></th>	<u>v</u>	10010	Replacement Nit (Stainless)	
COLUMBIA PRODUCTS	<image/>			1/2" NPT Inlet

## CARE AND MAINTENANCE

### **Care and Maintenance**

Regular cleaning will preserve the appearance and integrity of the surface. Stainless steel can easily be cleaned and kept stain-free using various methods.

#### **Recommendations:**

- Clean with an abrasive cleaner like, Bon-Ami or Zud weekly or bi-weekly. Always scrub in the direction of the grain or polish lines. Another option is to use Baking soda. Make sure to rinse well and dry. Illustration A
- Most soaps and detergents contain chlorides, we recommend rinsing the stainless-steel sink with hot water after use, to prevent corrosion. Illustration B
- · Regularly dry your sink to prevent water and surface rust marks. Illustration C
- · Do not leave salt in the sink or near a saltwater environment.
- Use a quality stainless steel cleaner and follow cleaner instructions. Wipe along the grain (NOT against). Illustration  $\mathsf{D}$

#### Things to Avoid:

- · Avoid harsh abrasive cleaners and corrosive chemicals.
- Avoid abrasive scouring pads, carbon steel brushes and steel wool for cleaning as iron particles left behind can lead to rust.
- $\cdot$  Avoid the use of oily rags or greasy cloths when wiping the surface. To avoid water spots, wipe dry after use.

#### **Additional Tips:**

- · Regularly drying your sink works wonders to prevent water and surface rust marks.
- · Wear rubber gloves when working with cleaners to protect your hands.
- Never mix cleaners. Some products react to create dangerous gases.
- There are thousands of blended or compound cleaners on the market. Users are advised to contact suppliers of solvents for information on their applications on stainless steel.
- · DO NOT USE SOLVENTS in closed spaces or while smoking.
- · Note: Columbia does not recommend use with harsh chemicals.



Illustration A



Illustration B



Illustration C



Illustration D