



Sole Clean Uno

Operation and Service Manual



READ ALL INSTRUCTIONS BEFORE USING OR
SERVICING THIS UNIT. KEEP THIS MANUAL IN A
LOCATION THAT IS READILY AVAILABLE TO USERS
AND SERVICE TECHNICIANS.

English (Original Instructions)

Safety

⚠ WARNING

PEOPLE OR OBJECTS CAN BE HURT OR DAMAGED IF THIS UNIT IS NOT USED CORRECTLY!



Failure to read all the instructions before operating the unit may result in personal injury or death from the improper use or chemical solution. Anyone handling, operating or using the unit must read and understand the instructions in the manual. The buyer assumes all responsibility for safety and proper use in accordance with the instructions.



Using or servicing the unit without appropriate personal protective equipment (PPE) may result in serious injury such as burns, rashes, eye, throat or lung damage and death. Always wear PPE as indicated in the Safety Data Sheet (SDS) when using or servicing the unit. Protect eyes, skin, and lungs against drifting spray.



To prevent chemical spray to face and eyes, ensure full foot insertion into unit and press down with heel. All protective gear must be worn as directed by the chemical manufacturer, SDS, and any applicable local safety regulations (OSHA, EU Directives, etc..)

This unit is for use with fully protective footwear only. This unit is designed to help sanitize footwear at transition zones with a focus on reduced moisture. This unit is intended to sanitize shoe soles and not intended for any other use.



Chemical solutions may pose a health risk and death if they contact the skin or eyes, are inhaled or swallowed. Always read and follow all chemical safety precautions and handling instructions provided by the chemical manufacturer and the SDS associated with the chemical solution before using the unit.



Pressure within the equipment may cause an unexpected release of the chemical solution and cause serious injury such as burns, rashes, eye damage, throat or lung damage and death. Always disconnect the air line from the unit before performing any maintenance, and clean the unit after each use.

Using the unit with fluid temperatures above 100°F (37.8°C) may result in scalding, burns, serious injury or death. DO NOT use a solution with a temperature above 100°F (37.8°C).



Operating the unit when damaged or leaking may result in exposure to chemical solutions, serious injury or death. Never use the unit if it is damaged or leaking.

Use of hydrocarbons and flammable products may result in explosions, fire and serious injury or death. Never use hydrocarbons or flammable products with the unit.

NOTICE

Servicing or modifying this unit with parts not listed in this manual may cause the unit to operate improperly. Do not use unauthorized parts when servicing the unit.

This unit is for use with fully protective footwear only.

PROTECT THE ENVIRONMENT



Please dispose of packaging materials, old machine components, and hazardous fluids in an environmentally safe way according to local waste disposal regulations

Product Overview

Requirements

Liquid temperature range	40-100°F (4.4-37.8°C)
Chemical compatibility	Chemical products used with this equipment must be formulated for this type of application and compatible with unit materials and pump seals. For more information on chemical compatibility, consult the manufacturer or SDS for your product or contact our customer service department.

Specifications

Power type	Manual
Chemical pickup type	Draws from pre-mixed solution
Number of products unit can draw from	One product
Suction line length/diameter	4 ft. (1.2 m) clear hose with ¼ in. (6.4 mm) inside diameter
Output volume*	0.14 oz (4.14 mL) per spray
Pump seals	Viton
Number of nozzles	4 nozzles

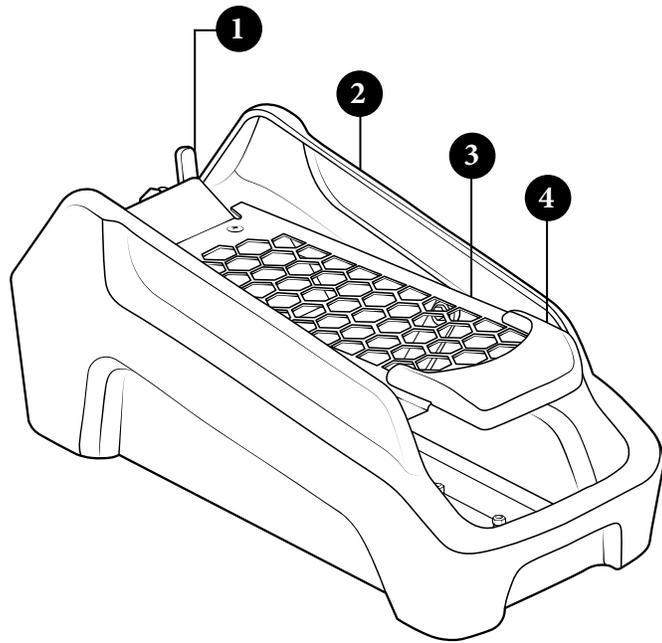
*Rates given are based on chemical with viscosity of water. These rates can vary based on viscosity of product.

Product Components

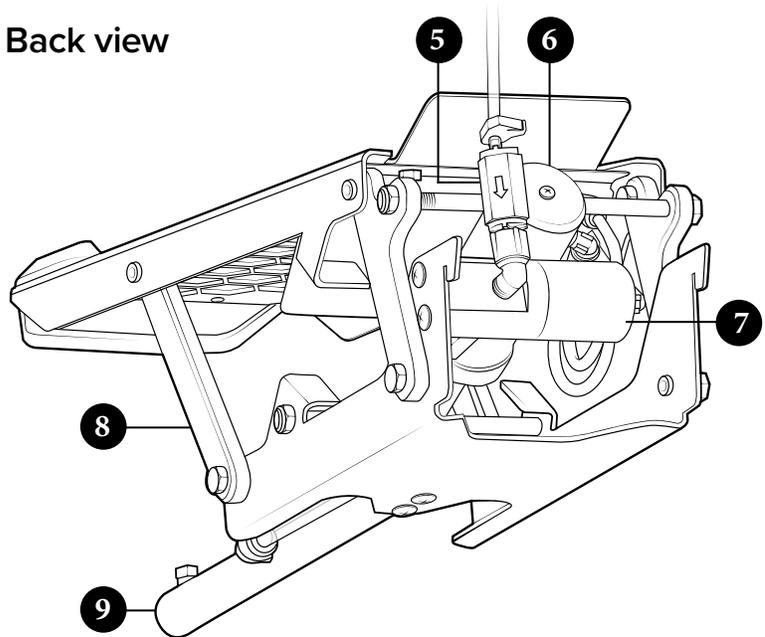
Get to know the components that you will need to use, adjust or assemble.

1. Lock lever
2. Catch basin
3. Foot grate
4. Foot locator
5. Check valve
6. Air pump
7. Fluid pump
8. Linkage
9. Manifold

Front view



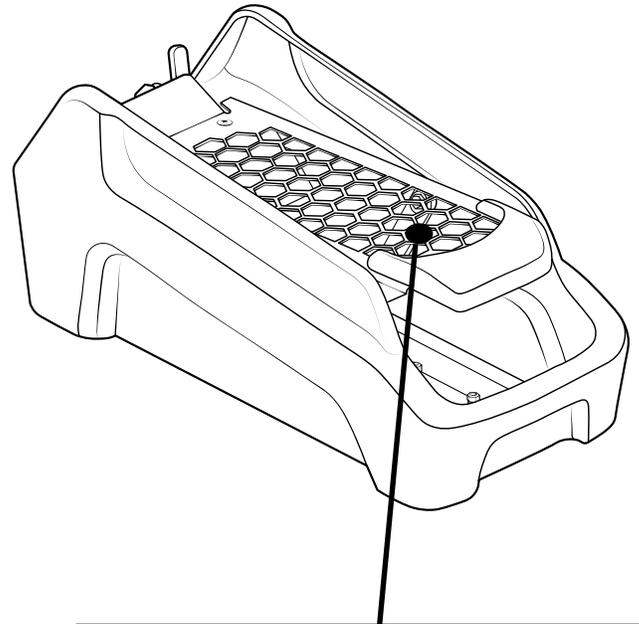
Back view



Using your unit

Installation Instructions

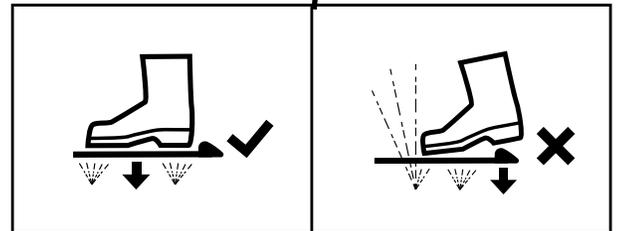
1. Position the unit in a suitable location.
2. Follow all handling instructions from the chemical manufacturer
3. Connect the cap with dip tube to the solution container.
4. Prime the unit according to the priming Instructions included below



Operating Instructions

Note: This unit is for use with fully protective footwear only. Do not activate the unit if foot is not positioned correctly on the unit.

1. Verify chemical jug is full, and suction line is connected. Ensure nothing is loose or leaking.
2. To prime the unit, place foot on the grate and step down until all air has been purged from the suction line. See below for correct usage.
3. Check bottom of footwear for proper sanitizer application. The entire sole should be covered with a consistent spray pattern.
4. Once spray pattern is achieved, place other foot on the grate and step down to activate the spray.



Maintenance and Service Guide

⚠ WARNING

Performing any maintenance with the unit pressurized may result in serious injury. Before conducting any maintenance, always ensure the unit has been depressurized by disconnecting the air line on the unit. Servicing or modifying this unit with parts not listed in this manual may cause the unit to operate improperly. Do not use unauthorized parts when servicing the unit. Remember to reconnect air line, and re-prime the unit according to the priming instructions in the operation manual after performing any maintenance.

Maintaining Your Unit

To keep your unit operating properly, perform the following daily maintenance procedures:

For Sole Clean Uno:

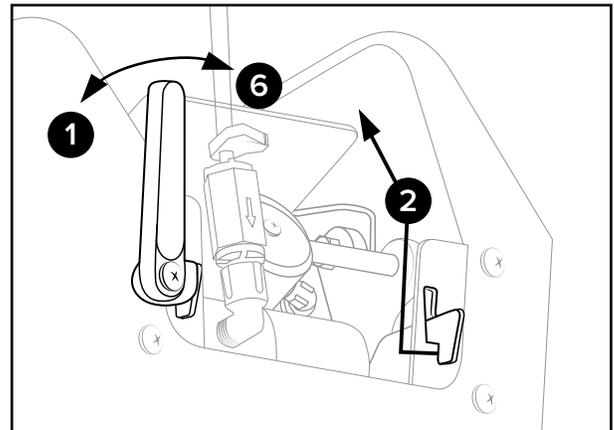
- Inspect the stainless foot grate for debris and clean when necessary.
- Collection basin should be emptied and cleaned each time the chemical supply container is changed or refilled. See **Collection basin cleaning instructions** for more information.

Note: During heavy use, over-spray can fill up basin. Be mindful of fluid levels not reaching above manifold, this can cause the unit to operate improperly.

- Verify nozzle assembly is free of any debris or blockage. Rinse with low pressure water if necessary.
- Check suction line and strainer for debris. Clean as needed.
- Inspect all tubing for leaks or excessive wear. Make sure all hose clamps and push fittings are in good condition and properly secured.

Collection basin cleaning instructions:

1. Turn Lock Lever to the unlock position
2. Holding the mechanism by its touch points, slide the mechanism over to the right, lift up, and towards you to disengage the hooks
3. Place mechanism aside, level with the floor.
4. Empty and clean the collection basin.
5. Re-insert the mechanism by repeating step 2 in reverse order.
6. Slide the lock lever until it is upright and/or tab is touching the mechanism, as shown below.



Servicing Your Unit

Most repairs on the unit can be performed with the following tools:

- Crescent wrench (2x)
- $\frac{7}{16}$ in. (11 mm) socket wrench
- $\frac{9}{16}$ in. (14 mm) socket wrench
- #3 Phillips head screwdriver
- Thread seal tape
- Hose cutters
- Knife

Troubleshooting Your Unit

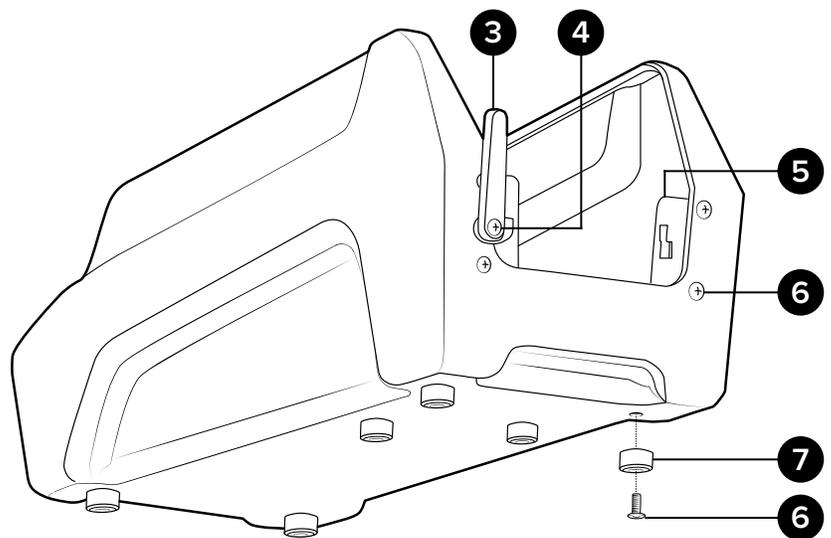
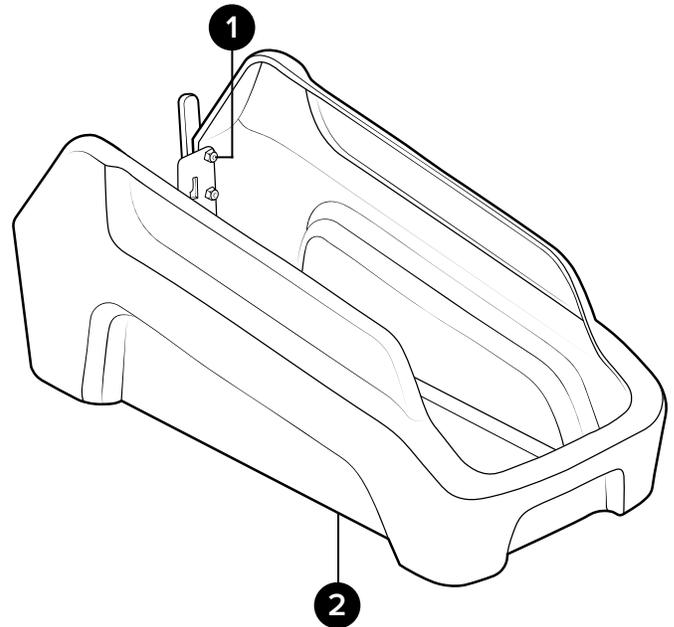
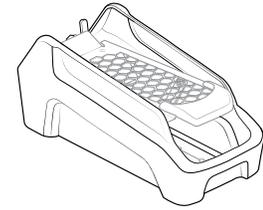
If your unit is not operating properly, try using these troubleshooting tips:

Issue	Solution
If unit does not spray	<ul style="list-style-type: none">• Check if you hear exhaust from the air valve. If not, manually press the stem button and see if it is stuck. Replace as needed.• If the pump is cycling, but unit does not spray, the pump may be air locked.• Check the suction line and strainer for debris and clean if necessary.• Verify springs in the air pump and/or liquid pump are not broken.• Check that the jug the unit is pulling from is vented, and filled appropriately.• Ensure nothing is blocking or impeding the full motion of the mechanism.
If unit sprays irregularly	<ul style="list-style-type: none">• Verify the pumps are cycling regularly. Pumps can be disassembled and the o-rings can be re-lubricated with a silicone-based lube.• Ensure the springs in the air pump and/or liquid pump are not broken.• Check the spray tips and make sure they are not clogged or blocked by debris. The spray tips may be removed and cleaned if necessary.• Verify that the jug the unit is pulling from is vented, and filled appropriately.
If unit does not hold a prime	<ul style="list-style-type: none">• Check hose clamps and ensure that barbs are secure.• Check all tubing connections and verify none are loose, broken, or leaking.

Housing Assembly

Housing assembly includes mechanism mounting plate, lock lever, rubber feet, locknuts and bolts

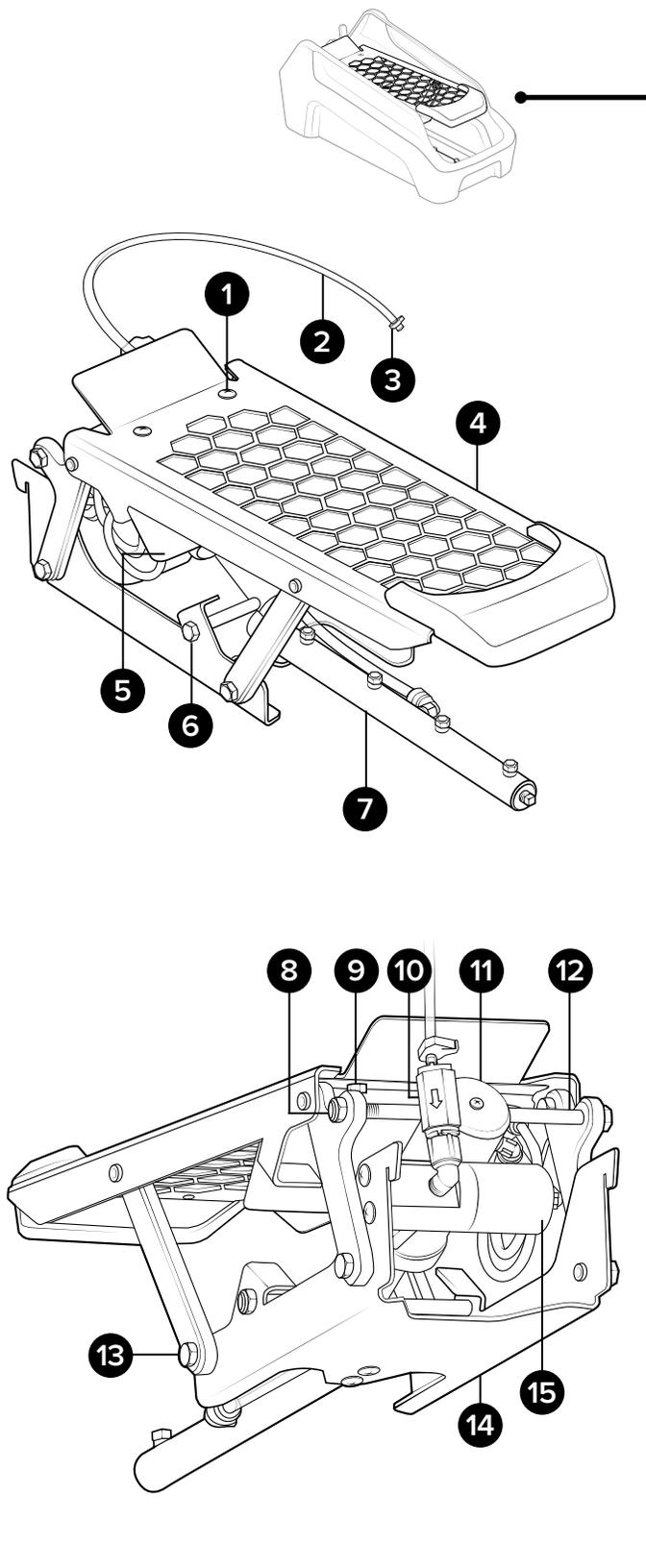
Item number	Description
1	LN1420 Locknut - ¼-20 - stainless steel - nylon insert
2	HSG-SS4 Housing
3	LKLVR-SS4 Lock lever
4	B1420112 Bolt - ¼-20 x 1 ½ in. - stainless steel truss head Phillips
5	MPL-SS4 Mount plate
6	B142058-VS Bolt - ¼-20 x 5/8 in. - stainless steel truss head Phillips - Vibra-Seal
7	RFT12 Rubber foot - ½ in. tall - includes internal washer



Mechanism Assembly

Mechanism assembly includes fluid and air pumps, foot locator, manifold assembly, and mounting hardware

Item number	Description
1	B142012-VS Bolt - ¼-20 x ½ in. - stainless steel - truss head Phillips - Vibra-Seal
2	H14CL-PV ¼ in. id ¾ in. od clear hose - PVC - available per ft.
3	CLMPTB38-ADJ Clamp - plastic - for ¾ in. od tube - adjustable
4	GRTA-SS4 Grate assembly - includes foot locator and mounting hardware
5	SPGRD-SS4 Spray guard
6	B3816612-HH Bolt - ¾-16 x 6.5 in. - stainless steel - hex head
7	MNA-SS4 Manifold assembly includes misting nozzles, fitting, and plug
8	LN3816 Locknut - ¾-16 jam - stainless steel - nylon insert
9	LN1420 Locknut - ¼-20 - stainless steel - nylon insert
10	CV14HB14M Check valve - PVC - ¼ barb x ¼ MNPT - 302SS spring - Viton seals - air flow right
11	PMPA-AIR-SS4 Pump assembly - air - includes spring and seals
12	B3816712-HH Bolt - ¾-16 x 7.5 In. - Stainless steel - hex head
13	BSH14201316-HH-VS Bolt - shoulder - ¼-20 x 1¾ in. stainless steel - hex head - Vibra-Seal
14	LNKG-CHS-SS4 Linkage chassis - stainless steel
15	PMPA-FLD-SS4 Pump assembly - fluid - includes spring and seals



Mechanism Sub-assemblies

MNA-SS4:

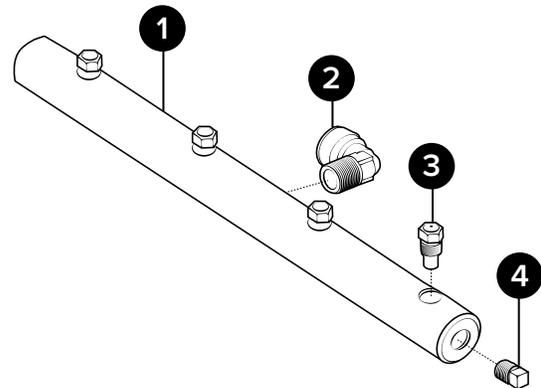
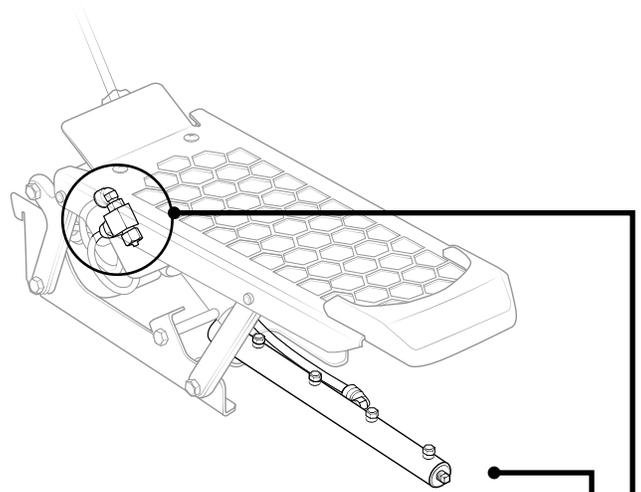
Manifold assembly includes misting nozzles, fitting, and plug

Item number	Description
1 MN-SS4	Manifold - 1/8 in. NPT - 6 ports PVC
2 QFEL1438	Fixed elbow 1/4 in. MPT x 3/8 in. tube - polypropylene
3 FCMNSS804	Full cone misting nozzle - stainless 80 deg - 4 GPH
4 P18	Plug 1/8 MPT hex head 304 SS

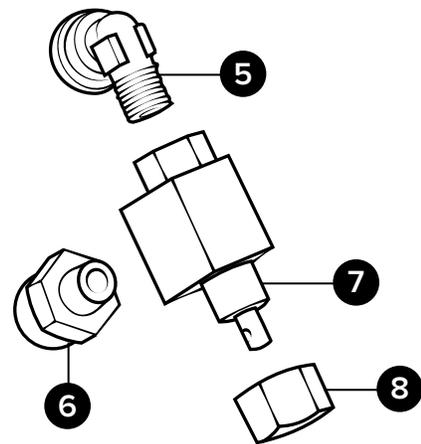
VLVA-3W2P-SS4:

Valve assembly - 3 way 2 position includes fittings and nut

Item number	Description
5 QFEL1814	Fixed elbow 1/8 in. MPT x 1/4 in. tube polypropylene
6 QF1814	Quick fit - 1/8 MPT x 1/4 od tube - polypropylene
7 ACVB-3W2P	Air control valve - nickel-plated brass - 3 way 2 position - valve only - does not include tooth washers or nuts
8 N153232-SS4	Nut - 15/32-32 - stainless



MNA-SS4



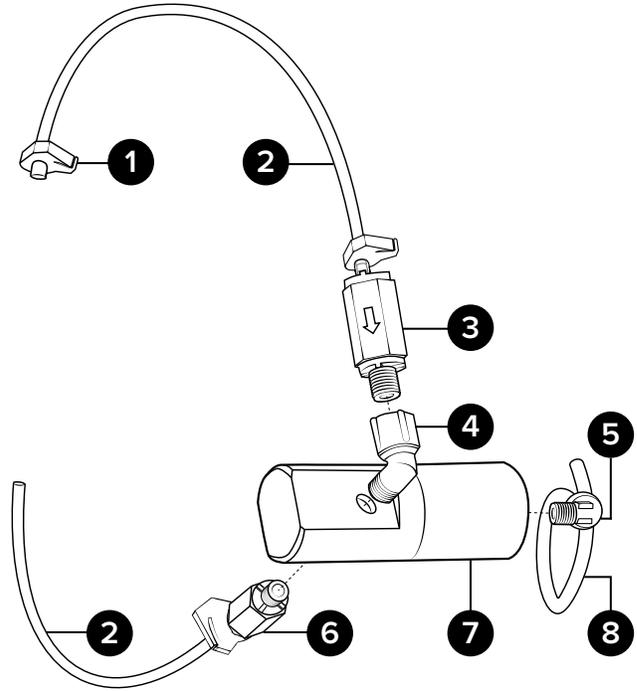
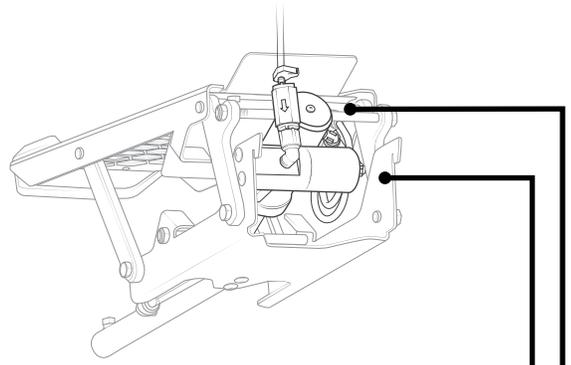
VLVA-3W2P-SS4

Mechanism Sub-assemblies

PMPA-FLD-SS4-WF:

Pump assembly for solution - includes fittings, tubing, and check valves

Item number	Description
1	CLMPTB38-ADJ Clamp - plastic - for 3/8 in. od tube - adjustable
2	H14CL-PV 1/4 in. id 3/8 in. od clear hose - PVC - available per ft.
3	CV14HB14M Check valve - PVC - 1/4 barb x 1/4 MNPT - 302SS spring - Viton seals - air flow right
4	EL14M14F 1/4 FPT x 1/4 MPT - polypro elbow
5	QFEL1814 Fixed elbow 1/8 in. MPT x 1/4 in. tube - polypropylene
6	CV14M14HB Check valve - PVC - 1/4 MNPT x 1/4 barb - 302SS spring - Viton seals - air flow left
7	PMPA-FLD-SS4 Pump assembly - fluid - includes spring and seals
8	TB14BL-PU 1/4 in. od blue tube - polyurethane - available per ft.

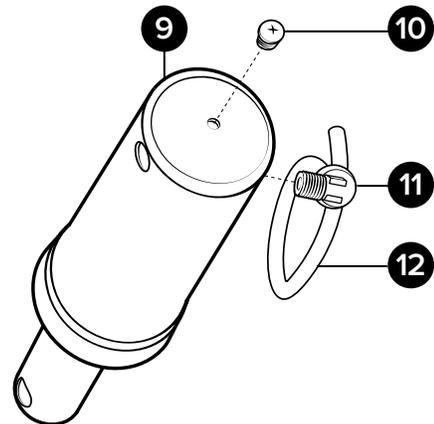


PMPA-FLD-SS4-WF

PMPA-AIR-SS4-WF:

Pump assembly for SS4 - air - includes fittings, tubing and quick fit elbow

Item number	Description
9	PMPA-AIR-SS4 Pump assembly - air - includes spring and seals
10	B103214 Bolt - 10-32 x 1/4 in - stainless steel - truss head Phillips
11	QFEL1814 Fixed elbow 1/8 in. MPT x 1/4 in. tube - polypropylene
12	TB14BL-PU 1/4 in. od blue tube - polyurethane available per ft.



PMPA-AIR-SS4-WF