MULTI-PURPOSE DISPENSER

OVERVIEW

Multi-Purpose Dispenser is a dilution dispenser designed for use with closed loop inserts. With its innovative patent pending QuickDock it's built for easy, fast and safe change over from one product to another. Multi-Purpose Dispenser features a one hand fill for spray bottles, adjustable drip tray shelf, and standard bucket fill hose or remote fill gun for bucket fill applications.

WARNINGS

This product is designed only to be used as described in this instruction sheet. Adhere to all warnings and cautions identified in this document.

WARNING: Installations must conform to all local and national plumbing codes and use approved backflow prevention and pressure relief devices where required.

ALWAYS DISCONNECT DISPENSER FROM WATER SOURCE WHEN DISPENSER IS NOT IN USE.

Always read MSDS for all chemicals used and follow personal protective guidelines.

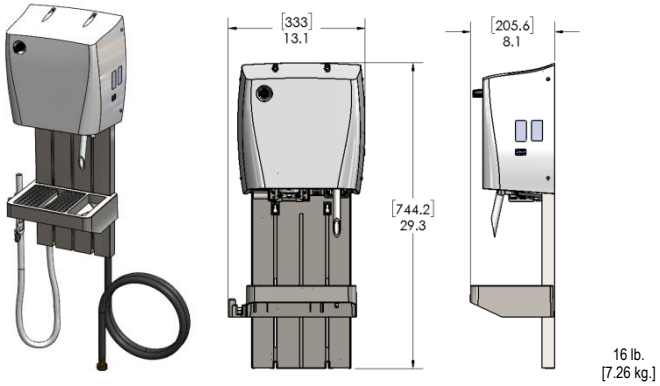
OPERATING SPECIFICATIONS

Water Supply Requirements

	Minimum	Maximum
Water Pressure	30 psi (1.38 bar)	90 psi (6.2 bar)**
Water Temperature	-	150°F (66 °C)

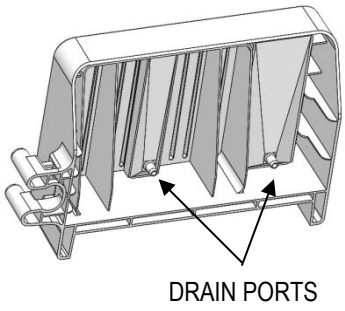
*** Recommended water pressure for accurate dilutions is between 30 psi (2.07 bar) and 70 psi (4.83 bar). If pressure exceeds 70 psi, it is recommended that a DEMA #66.43 regulator is used.*

BASE MODEL SIZE AND WEIGHT



DISPENSER SET-UP – SHELF AND DRIP TRAY MODIFICATION

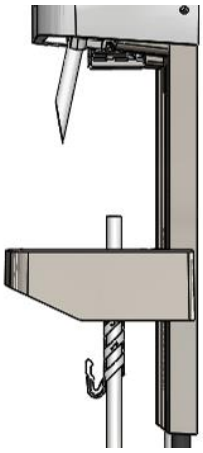
The chemical bottle shelf is factory preset and requires no modifications. Do not adjust the shelf bracket on the back as it will cause the bottle to not engage in the dock.



The bottle shelf is integrated with two drip trays, both with plugged drain ports. If desired, these ports can to be drilled out to route run off chemical into a sink basin.

1. If you want to install a drain line on the drip tray shelf, use a 3/16" (5mm) drill bit max.
    a. Using the barb on the underside of drip tray shelf as a guide, drill through.
    b. Once drilled, attach drain line(s) to the drip tray shelf barb(s).

DISPENSER MOUNTING AND INSTALLATION



1. Position the dispenser on the wall and mark the 6 screw locations.
    a. Use mounting template supplied with this instruction sheet to double check holes and to level dispenser.
2. Install the supplied anchors in the wall at the marked locations.
3. Mount the dispenser to the wall with the supplied screws.
4. Connect water supply hose to approved water outlet connection.
5. Install chemical container in the dispenser by pushing the bottle until it will go no further.
6. Slowly turn water supply on, pressurizing the unit with water and making it ready for use.
7. Test all chemicals according to proper use at selector locations following the method described below in **Dispenser Operation** section.

DISPENSER OPERATION

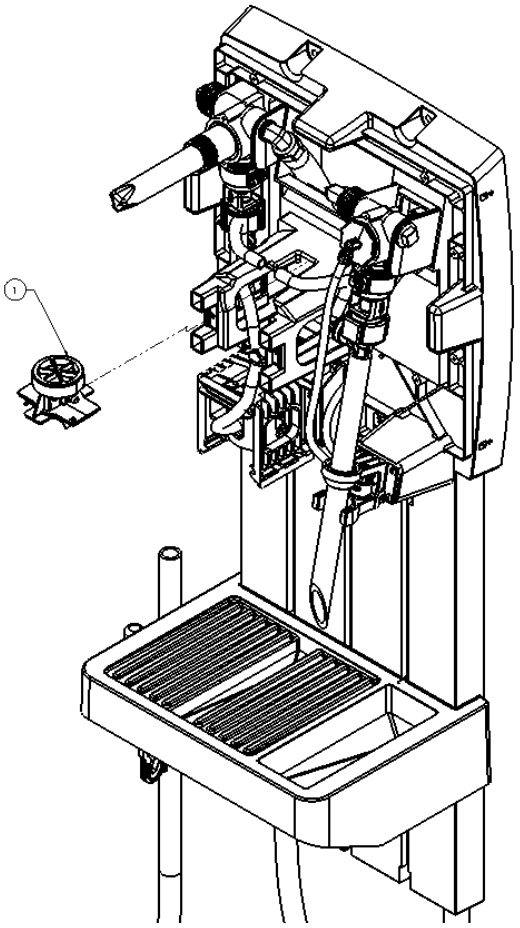
To begin the operation of the dispenser, a chemical bottle must be connected to the QuickDock.

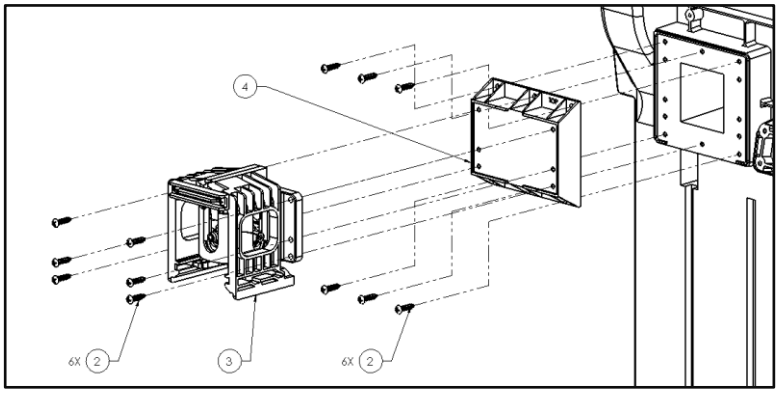
1. Push the chemical bottle, mating it to the QuickDock until it will go no further. The QuickDock will hold the bottle in place when fully engaged.
2. Once the bottle is docked, the dispenser is ready to dispense diluted chemical using either the bottle fill or bucket fill activation.
3. **Bottle fill activation:** To dispense with the bottle fill feature, push the spray bottle up until the lever activates the valve. Once you are finished, lower the bottle until the lever falls and deactivates the valve.
4. **Bucket fill activation:** Press button to activate valve and release when finished. For continuous flow, while button is pressed, turn clockwise to lock. When finished, turn counterclockwise and release the button to deactivate valve. Allow chemical to drain and return hose to hanger on the side.
5. To change product, pull the bottle away from the QuickDock once chemical has drained back into the bottle. Insert new chemical bottle into dock. Repeat steps 2-5 as needed.
6. ALWAYS DISCONNECT DISPENSER FROM WATER SOURCE WHEN DISPENSER IS NOT IN USE.

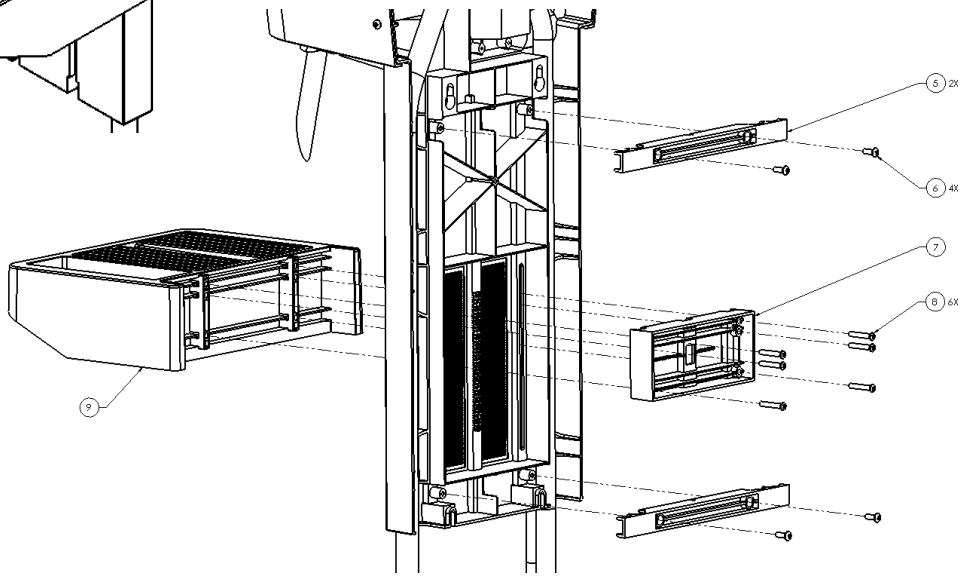
TROUBLESHOOTING – ALWAYS SHUT OFF WATER SUPPLY BEFORE TROUBLESHOOTING

Symptom	Probable Cause	Remedy
Proportioner fails to draw chemical properly.	1. Insufficient water supply pressure. 2. Excessive water supply pressure. 3. Metering tip in bottle is clogged.	1. 30 PSI is the minimum allowable pressure. Consult with building maintenance for options. 2. 90PSI is the maximum allowable pressure. 70PSI is the recommended maximum pressure. 3. Replace bottle with new one and dispense product.
Water valve is not shutting off completely.	1. Bottle fill valve will not shut off, actuator arm is stuck in fill position. 2. Bucket fill valve will not shut off, water valve button is locked on. 3. Diaphragm in water valve cannot seat properly, debris in valve.	1. Cycle the bottle valve actuator to ensure actuator arm is fully resetting after each use, replace components as needed. DO NOT rest bottles on actuator when not in use. 2. Cycle the bucket valve button to make sure it's not stuck in lock-on position. 1/4 turn counter clockwise to move to lock-off position. 3. Disassemble water valve diaphragm cover and remove internal components, clearing out debris. Reassemble components in order removed.
Water valve is leaking.	1. Clamped fittings are loose.	1. Inspect clamps for leakage, replace as needed.
Threaded connections are leaking water.	1. Backflow prevention devices and/or proportioners are loose.	1. Tighten loose connection(s) with tools if necessary. Do not over tighten if using tools.
Chemical is not draining back into chemical container.	1. Vent assembly is sticking.	1. Replace vent assembly.

PARTS LIST AND DIAGRAM – UNIT ASSEMBLY

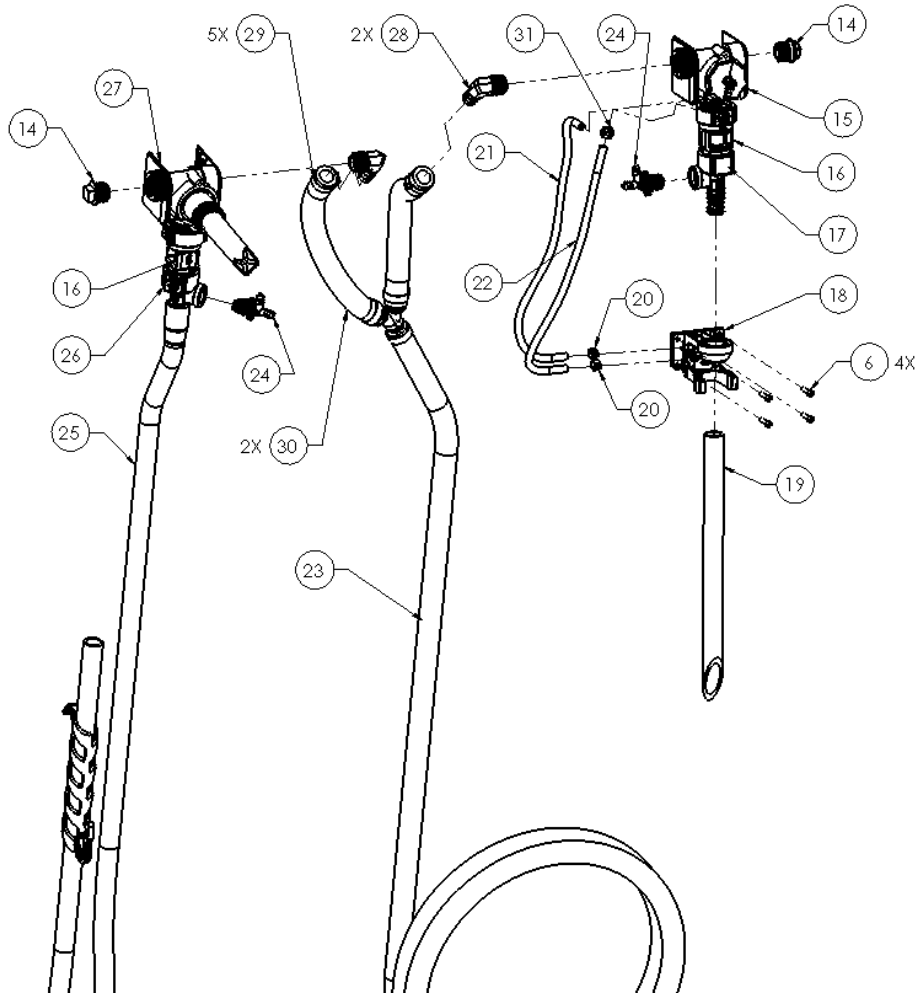






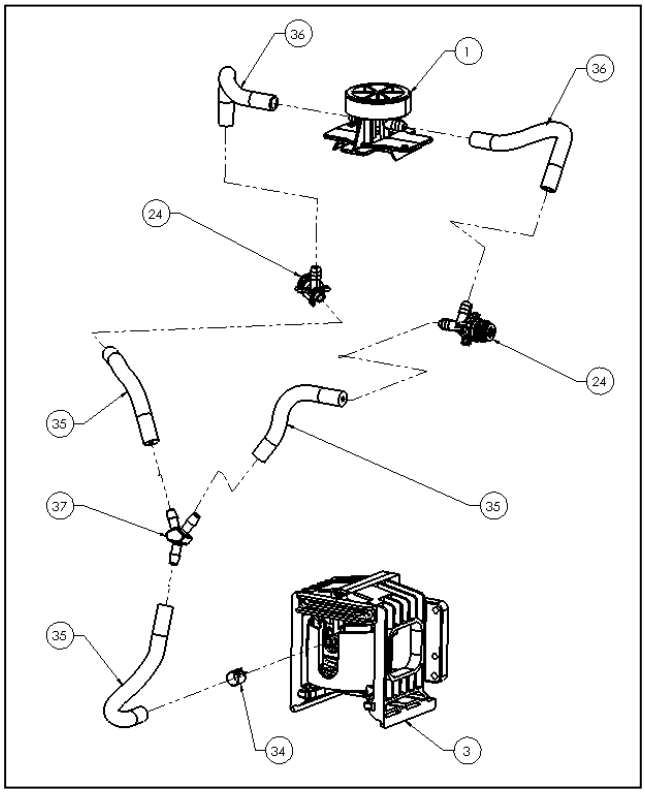
No.	Part No.	Description
1	56-46	Vent Assembly
2	44-116-1	#6 x 5/8” Long Hi-Lo Screw
3	56-25-5	Docking Assembly (Key 10)
4	40-206-2	Spacer
5	40-199-1	Hose Bracket
6	44-116-1	#8 x 1/2" Long Hi-Lo Screw
7	40-204-1	Drip Tray Shelf Bracket
8	44-116-3	#8 x 1” Long Hi-Lo Screw
9	40-203-1	Drip Tray Shelf

PARTS LIST AND DIAGRAM – VALVE MANIFOLD ASSEMBLY



No.	Part No.	Description
14	66-153	Pipe Plug/ O-Ring Assembly
15	40-196-1	Valve Assembly (Remote Fill)
16	16-30	Action Gap
17	160	1 GPM Proportioner Assembly
18	98-58-1	Lever Assembly
19	98-42-1	Bottle Tubing
20	52-2-4	Hose Clamp
21	98-36-16	Clear Tubing
22	98-36-15	Blue Tubing
23	44-3-7FCO	Hose Assembly 1/2” ID x 7’ Lg. (1.3cm x 2.1m)
24	56-38	Barb Check Valve Assembly
25	89-30-GAP	Hose With Hanger Assembly
26	163CHA-NB	2.5-GPM Proportioner Assembly
27	40-197-5	Valve Assembly (Push Button; Black)
28	66-241	Elbow, NPT x Barb
29	14-20-1	Removable Clamp
30	40-208-1	Hose 1/2” ID x 8” Lg. (1.3cm x 2.4m)
31	98-12-1	Hose Clamp, Plastic

PARTS LIST AND DIAGRAM – CHEMICAL INDUCTUION TUBE ROUTING



No.	Part No.	Description
34	40-397-2	Spring Hose Clamp
35	25-172-2	Supertube 6” (15cm)
36	25-171-1	Supertube 4” (10cm)
37	100-61	Vinyl Tubing 4” (10cm)
38	66-500-1	Wye Connector 3/16” (4.76mm)

WARRANTY

Merchandise Returns

No merchandise will be returned for credit without manufacturer's written permission. Please contact your dealer for warranty issues

Product Warranty

Manufacturer's products are warranted against defective material and workmanship under normal use and service for one year from the date of manufacture. This limited warranty does not apply to any products that have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, physical abuse, or misapplication. Rubber and synthetic rubber parts such as "O"-rings, diaphragms, PVC tubing, and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of manufacturer products. If products are altered or repaired without prior approval of manufacturer, this warranty is void.

Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge, F.O.B. factory. Manufacturer assumes no liability for damages. Return merchandise authorization number must be granted in advance of returned units for repair or replacement (See "Merchandise Returns" above).