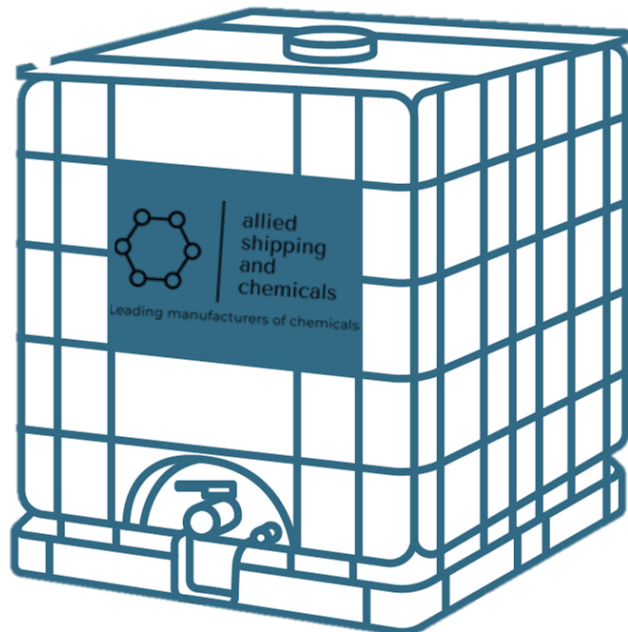
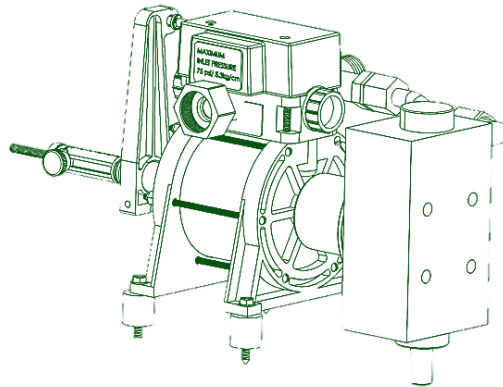


Proportioning System with IBC 275-Gal Tote



Safety

When handling and installing a corrosion inhibitor with a proportioning system that operates using tap water pressure, it is essential to follow proper safety protocols to ensure the safety of personnel and the integrity of the system. Always read and adhere to the manufacturer's Safety Data Sheet (SDS) for the specific inhibitor used. Proper training and PPE are mandatory before initiating installation or maintenance.

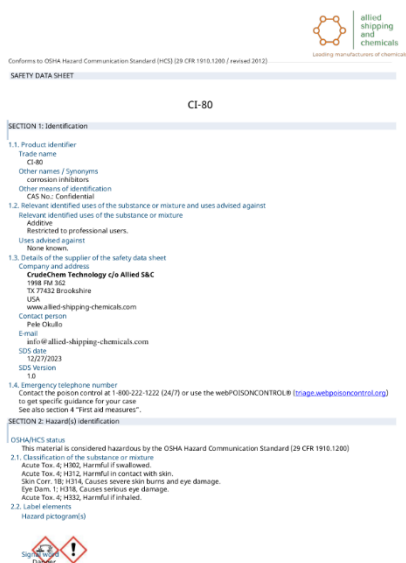
Key Safety Guidelines:

- **Wear appropriate PPE:** Always use chemical-resistant gloves, safety goggles, long-sleeved clothing, and protective footwear to avoid direct contact with the inhibitor.
- **Ensure proper ventilation:** Work in a well-ventilated area to prevent the buildup of vapors or fumes during handling or transfer.
- **Check system pressure ratings:** Verify that the proportioning system and all fittings are rated for your tap water pressure to avoid leaks or bursts.
- **Avoid cross-contamination:** Do not connect the proportioning system to potable water lines without appropriate backflow prevention.
- **Flush lines properly:** After installation or maintenance, flush the system thoroughly with water to remove any residual chemical before use.

Shipping

3 Items are shipped together and must always be maintained in the same location for traceability and operational consistency.

Safety Data Sheet



Corrosion Inhibitor Concentrate

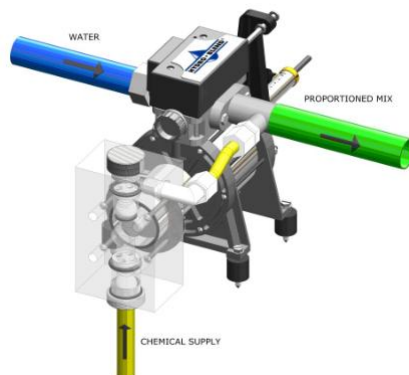


Proportioning pump with mounting base

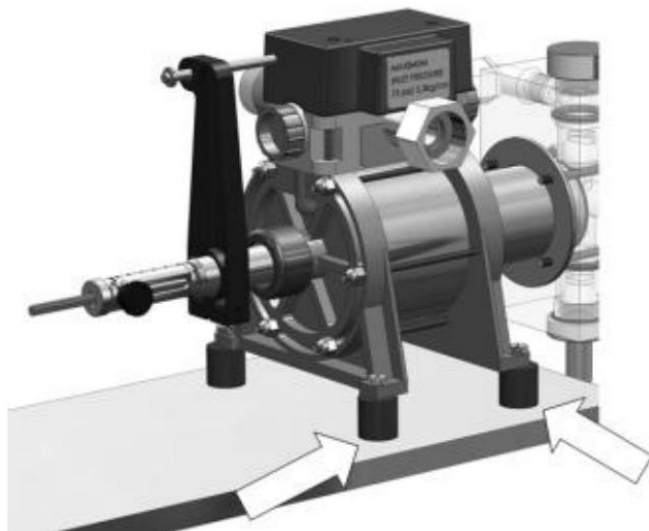


Handling of proportioner

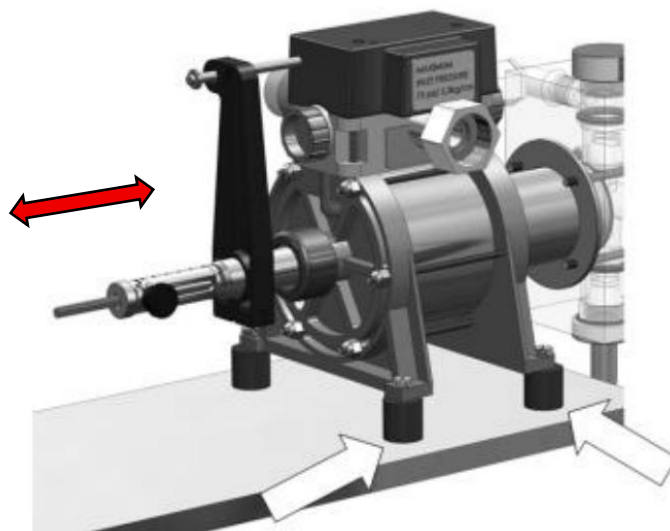
1. All connections are designed to be hand-tightened for easy on-site installation. Most use standard GHT fittings, which can be securely fastened by hand with the addition of Teflon tape, ensuring reliable system integrity and preventing leaks or spills.



2. The proportioner is securely fastened to the base before shipping; however, due to the potential impact of long-distance transport, it's advisable to check and tighten the screws using a Phillips head screwdriver upon arrival.



- The piston moves in and out following the direction of the red arrow shown below. Make sure nothing is placed on top of the tote and no hose or object crosses the piston's path within 4 inches, as this could obstruct its motion.



- Always document the serial number (SN) in case the sticker on the pump is lost, as it is essential for warranty claims and maintenance support.



Installation

1. Position the base arm of the proportioner onto the tote as shown in the image below.



2. Make sure the white suction head is aligned directly over the red opening cap, as illustrated in image below.

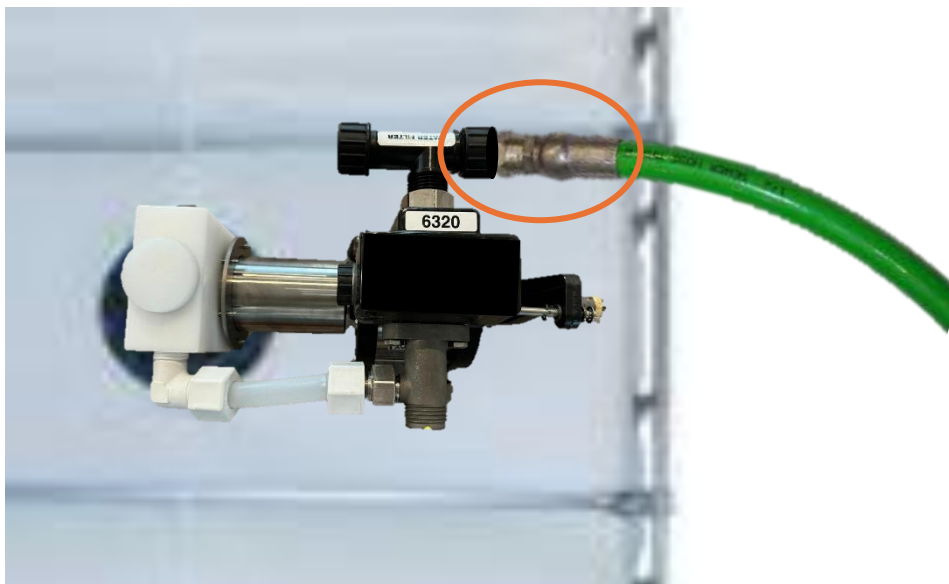


3. Drop the clean plastic tube into the tote.

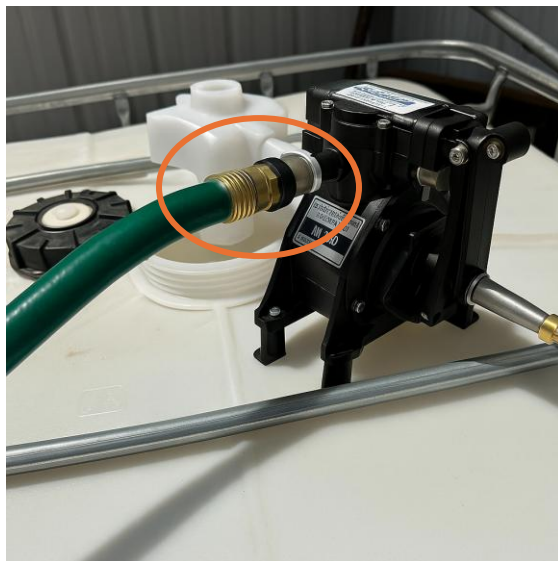
4. Tighten the water filter with a Teflon tape as shown below.



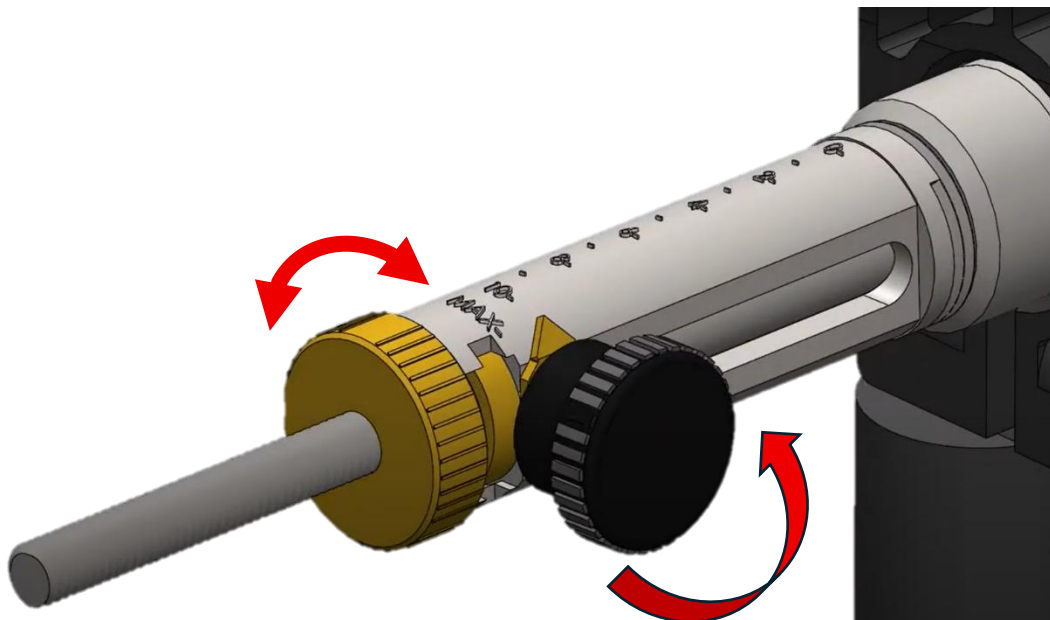
5. Connect the hose from the tap water to the filter on the proportioner as show below. Apply Teflon tape and tighten the connection. The hose connection is a regular 3/4-inch GHT (Garden Hose Thread).



6. Connect the hose going to the pressure unit as shown below. Apply Teflon tape and tighten the connection. The hose connection is a regular 3/4 inch GHT (Garden Hose Thread).



7. To adjust the proportioning ratio, loosen the black cap and turn the brass dial to set the desired concentration level. Begin at full strength (20%) and reduce gradually to around 10% if satisfactory results are achieved.



If the proportioner needs to be mounted on a different platform (not a different tote, just a new base), follow the instructions below for proper reinstallation.

1. Mount the proportioner on a bracket or shelf using the (4) rubber feet provided. See attached pages for horizontal or vertical mounting instructions

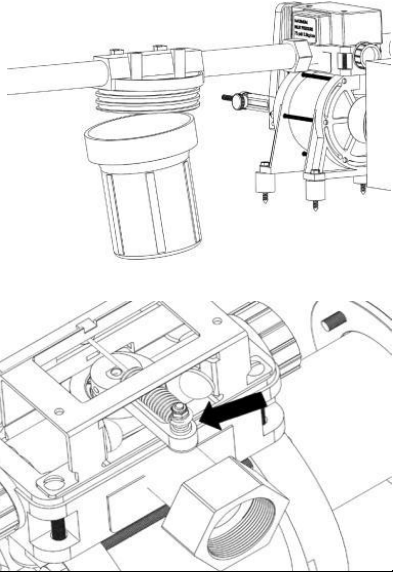
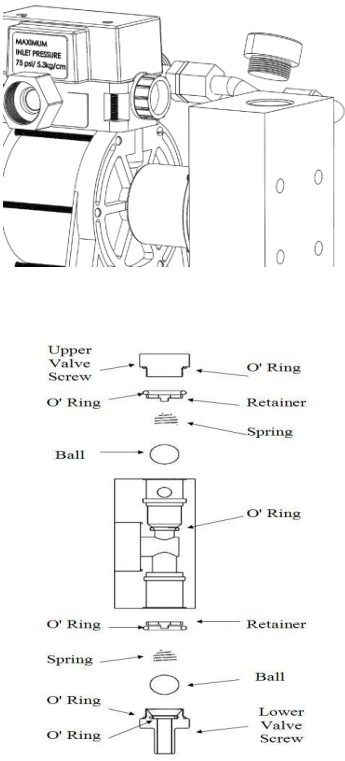
NOTE: MOUNT THE UNIT SO THE BOTTOM OF THE BRACKET IS 42" FROM THE FLOOR. THIS WILL ALLOW A DRUM OF PRODUCT TO BE PLACED UNDER THE PROPORTIONER.

2. Install a 25-micron water filter in the inlet water line of the proportioner. Failure to filter the proportioner water supply will void warranty. If the inlet water pressure can exceed 75 PSI, a regulator should be installed in the inlet water line.

NOTE: THE PROPORTIONER IS DESIGNED TO BE USED WITH 3/4" GARDEN HOSE CONNECTIONS FOR BOTH THE WATER INLET AND OUTLET. THE UNIT CAN BE CONNECTED WITH RIGID PIPE IF DESIRED. ALL NECESSARY HOSES AND PIPING MUST BE SUPPLIED.

3. On the discharge side of the proportioner, connect the pipe or line which will feed the mixture to a central reservoir or to the mixture use points. If you are using pipe to make these connections, use a 3/4" Garden Hose to NPT adapter.
4. Attach the suction tube to the chemical pump and place the bottom end of the tube into the product container.

Troubleshooting

Issues	Causes	Corrections
<p>1. Water motor will not run</p> 	<p>A. Water turned off to unit. B. Water filter clogged. C. Discharge lines shut off or clogged D. Proportioner stalled. The proportioner operates intermittently and then stalls. E. Weak or broken toggle lever spring. F. Actuating Arm out of adjustment.</p>	<p>i. Turn water on to unit. ii. Remove and replace filter element. ii. Check to be sure the lines are clear and all system valves are open. v. Water inlet pressure has dropped. Relieve downstream back pressure. If unit restarts, there is no problem. If the unit does not restart, the valve block may need to be rebuilt.</p>
<p>2. Will not draw chemical</p> 	<p>A. The water motor is not working. B. Proportioner concentrate adjustment set on minimum. C. Pump head seals dry. D. Upper or lower valve screws sucking air. E. Foreign material on ball seat. Concentration has caused balls to stick. F. Excessive discharge backpressure.</p>	<p>i. Check motor per item 1 above ii. Re-adjust. Set on 10 to prime. iii. Remove top valve screw, flood cavity with water. Replace spring and valve screw carefully. Start unit. iv. Tighten fittings - hand tight only. v. Remove valve balls carefully and clean. Flush and clean ball O-rings in place carefully. Replace balls, springs and upper and lower valve screws carefully. vi. Relieve downstream back pressure until the unit is primed.</p>

Contact

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For sales support please reach out to: sales@allied-shipping-chemicals.com