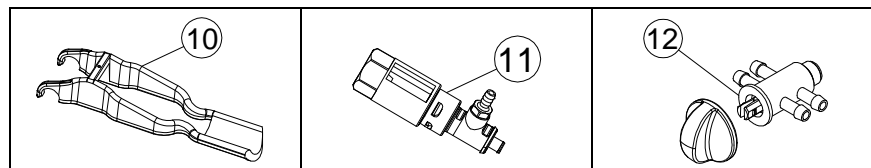
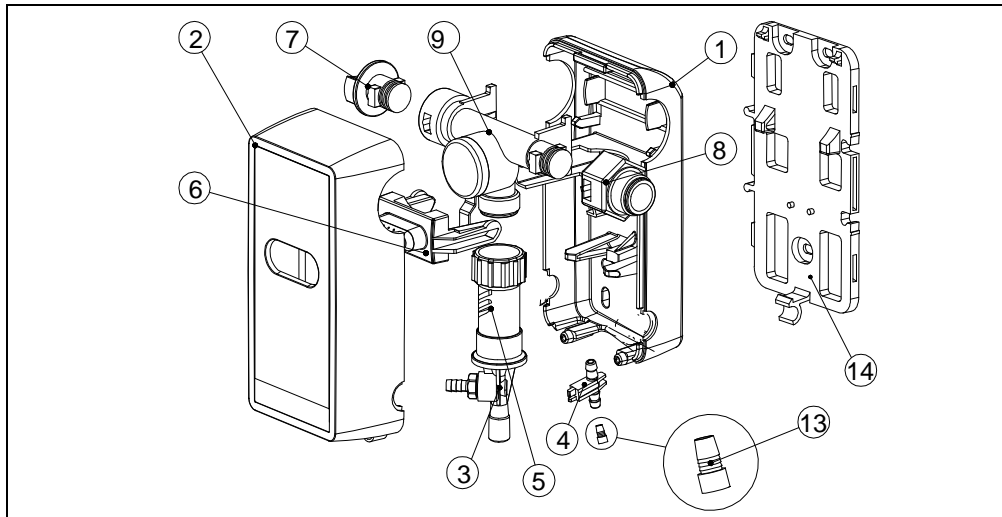


# PROMIX

## INSTRUCTION MANUAL

MAX TEMPERATURE 140 °F – MAX PRESSURE 100 PSI

### 1.0 PROMIX COMPOSITION



1	Rear section of box
2	Front section of box with panel
3	Venturi
4	Nozzle holder for 1 product
5	F-Gap disconnection valve
6	Start button
7	Left plug
8	Right 3/4" connection to the water supply
9	Control valve unit
10	Start lever <sup>(1)</sup>
11	A-Gap disconnection valve <sup>(2)</sup>
12	Unit for 4 products <sup>(3)</sup>
13	Tip: calibration nozzle
14	Wall plate




(1) as an alternative to the start button only on lever models

(2) as an alternative to the F-Gap valve

(3) as an alternative to the nozzle holder for 1 product

PROMIX – Proportioning System






2.0 INSTALLATION

-  To prevent siphoning and to comply with ASME A112.1.2, install the Promix with the end of the outlet tube a minimum 4” above the flood level of the sink or other fixed container.
-  **ATTENTION:** Before proceeding with installation, carefully read all of the paragraphs on the matter; quick and correct procedures for every type of installation are provided.
-  **ATTENTION:** Do not install the device in a place directly exposed to vapours or chemical fumes. Do not position near sources of heat.

The system should be installed approximately 5 ft from the ground and in any case near the jerry-cans for convenient use

2.1 SINGLE SYSTEM ATTACHMENT TO WALL

SINGLE 1-PRODUCT SYSTEM

 <p><b>Step 1:</b> Drill the holes into the wall for the supplied <math>\varnothing 1/4</math>” dowels according to the wall plate and fix the plate using three screws.</p>	 <p><b>Step 2:</b> Hook the Promix on the plate as indicated in the figure, until the lower part is secured.</p>	 <p><b>Step 3:</b> Insert the mixture outflow hose, securing it into place with one of the provided clips, and connect the water supply.</p>
 <p><b>Step 4:</b> Put a suitable tip into the input required.</p>  <p><b>Step 5:</b> Connect the suction hoses so that they correspond to the tips used</p>	<ol style="list-style-type: none"> <li>1. Insert the Tip which permits dilution similar to the required one by pushing it completely into the nozzle holder until it stops (<b>see Par. 4.0</b>);</li> <li>2. Insert one end of the suction hose into the nozzle holder;</li> <li>3. Insert the inlet tubing into the flat side of the stainless steel weight. Push the filter to the bottom, in the same side of the tube</li> <li>4. Fill the graduated container with the product which must be diluted;</li> <li>5. Insert the foot valve into the other end of the suction hose and immerge it into the graduated container;</li> <li>6. Run the system until the product’s suction hose is completely full;</li> <li>7. Read the amount of product remaining in the container;</li> <li>8. Run the system until 1 Gallon of solution have been dosed;</li> <li>9. Read the amount of residual product in the container;</li> <li>10. The difference between the amount of product in <b>point 7</b> and the residual product (<b>point 9</b>) will provide the dilution ratio;</li> <li>11. For 4-way systems, repeat the calibration procedure for each input used.</li> </ol>	

**NOTE:** If the water inlet female swivel fitting is difficult to set in place, use a small amount of liquid detergent on the O Rings.

**PROMIX – Proportioning System**

**2.2 MULTIPLE SYSTEM ATTACHMENT TO WALL**

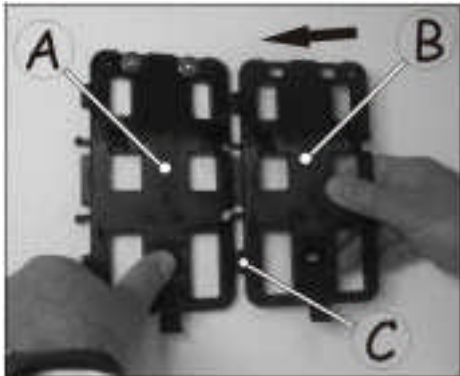


**SIMULTANEOUS INSTALLATION OF SEVERAL PROMIX SYSTEMS**

For the first PROMIX unit, fix the plate as shown in Step 1 (plate A in Step 6).

For subsequent systems, proceed as follows:

- Put plate B on plate A, aligning slots C.
- Mark the positions for the holes and remove plate B.
- Drill the holes for the  $\varnothing \frac{1}{4}$ " anchors supplied.
- Put plate B back in position and fix it using the relevant screws.

Then proceed as illustrated below.

 <p><b>Step 6:</b> Connecting the second plate.</p>	 <p><b>Step 7:</b> Connect the two systems to one another and hook them on the plates as shown in the figure</p>
 <p><b>Step 8:</b> Assemble the product outflow hose, turn on the water supply, and proceed with proportioning calibration using the product which must be diluted as stated in <b>Step 4-5</b></p>	<p><b>Step 9:</b> Proceed with proportioning calibration, using the product, which must be diluted for each PROMIX unit as stated in <b>Steps 4-5</b></p>

PROMIX – Proportioning System

### 3.0 TECHNICAL FEATURES

Water supply connection	Possible from right or left		
Type of connection	¾" Female Swivel GHT		
Disconnection	F-Gap	A-Gap	
Venturi flow rate	1 GPM (black)	4 GPM (blue)	8 GPM (grey)
Actuating systems	Button		Lever
No. of product inlets	1 (only mod. B1 and L1)		1...4 (only mod. B4 and L4)
Maximum dimensions	H = 11"	W = 6.1"	L = 4.3"
Working pressure	<b>Min 20 PSI</b>		<b>Max 100 PSI</b>
	<b>Ideal: 30 - 60 PSI</b>		
Temperature	<b>Max 140 °F</b>		
Notes	Possibility of adding modules onto the left side of systems already installed without needing to remove these systems.		



and



**ASSE 1055B Approved Chemical Dispensing System**



**TO PREVENT SIPHONING AND TO COMPLY WITH ASME A112.1.2, INSTALL THE PROMIX WITH THE END OF THE OUTLET TUBE A MINIMUM 4" ABOVE THE FLOOD LEVEL OF THE SINK OR OTHER FIXED CONTAINER.**

### 4.0 HYDRAULIC FEATURES – Dilution Ratios

The following dilution ratios should be considered only as an initial reference.

The dilution ratios refer to the dynamic pressure of 40 PSI with water proportioning.

			<b>F-Gap</b>					
			<b>1 GPM (4 l/min)</b>		<b>4 GPM (16 l/min)</b>		<b>8 GPM (30 l/min)</b>	
<b>STANDARD METERING TIP #0000071130</b>	Tip color	Diameter (mm)	OZ/Gal	Ratio	OZ/Gal	Ratio	OZ/Gal	Ratio
	Grey	0.128	<b>32.6</b>	4:1	<b>16.9</b>	7.78:1	<b>10.35</b>	12:1
	Black	0.1	<b>30.3</b>	4.2:1	<b>16.1</b>	9:1	<b>9.61</b>	13:1
	Beige	0.07	<b>27.2</b>	5:1	<b>10.4</b>	14:1	<b>6.66</b>	19:1
	Red	0.052	<b>21.9</b>	6:1	<b>6.7</b>	23:1	<b>4.42</b>	29:1
	White	0.043	<b>14.5</b>	9.58:1	<b>4.4</b>	38:1	<b>3.14</b>	41:1
	Blue	0.04	<b>14.1</b>	10:1	<b>4.0</b>	45:1	<b>2.68</b>	48:1
	Tan	0.035	<b>10.4</b>	11:1	<b>2.9</b>	50:1	<b>1.48</b>	86:1
	Green	0.028	<b>7.7</b>	18:1	<b>2.1</b>	82:1	<b>1.31</b>	98:1
	Orange	0.025	<b>6.9</b>	22:1	<b>1.6</b>	87:1	<b>1.03</b>	124:1
	Brown	0.023	<b>5.6</b>	26:1	<b>1.4</b>	127:1	<b>0.78</b>	164:1
	Yellow	0.02	<b>4.7</b>	30:1	<b>1.1</b>	204:1	<b>0.71</b>	180:1
	Aqua	0.018	<b>2.6</b>	53:1	<b>0.9</b>	323:1	<b>0.57</b>	225:1
	Purple	0.014	<b>2.1</b>	89:1	<b>0.4</b>	455:1	<b>0.38</b>	337:1
	Pink	0.01	<b>1.1</b>	147:1	<b>0.3</b>	700:1	<b>0.18</b>	711:1
<b>Clear</b>		<b>No hole</b>						
<b>ULTRALEAN TIP #0000071136</b>	Lime	0.009	<b>0.91</b>	149:1	<b>0.19</b>	1111:1		
	Burgundy	0.008	<b>0.79</b>	170:1	<b>0.13</b>	1050:1		
	Pumpkin	0.007	<b>0.65</b>	205:1	<b>0.082</b>	1630:1		
	Copper	0.006	<b>0.48</b>	276:1	<b>0.076</b>	1760:1		

## DISCLAIMER: STATE OF MASSACHUSETTS

1. THESE DISPENSERS SHALL BE INSTALLED BY A MASSACHUSETTS LICENSED PLUMBER
2. THE INSTALLATION SHALL BE HARD PIPED USING PRODUCT APPROVED MATERIALS  
\*(See Below)
3. THE PUBLIC WATER SUPPLIER SHALL BE CONTACTED REGARDING THE PROPER BACKFLOW PREVENTION DEVICE TO BE INSTALLED

**\*Approved Materials:** Attach a brass MALE-GHT x 3/8” Compression fitting to the hose swivel on the dispenser. Using a compression T run 3/8” copper tubing from the water supply to the 3/8” compression fitting at the dispenser.