## TROUBLESHOOTING CHART:

| Problem | Cause | Solution |
| :--- | :--- | :--- |
| 1. No discharge | a. No water <br> b. Magnetic valve not functioning <br> c. Excessive water pressure | a. Open water supply <br> b. Install valve parts kit <br> c. Install regulator if water pressure exceeds 85 <br> PSI <br> d. Eductor clogged |
| 2. No concentrate draw or replace |  |  |

* In hard water areas, scale may form inside the discharge end of the eductor, as well as in other areas of the unit that are exposed to water. This scale may be removed by soaking the eductor in a descaling solution (deliming solution). To remove an educto vacuum breaker. Alternatively, a scaled eductor can be cleaned (or kept from scaling) by drawing the descaling solution through the unit. Operate the unit with the suction tube in the descaling solution. Operate the unit until solution is drawn consistently, then
flush the unit by drawing clear water through it for a minute. Replace concentrate container and put suction tube into concentrate.


## Wroblo

## $\square \square \overbrace{0}$

Package Contains:

1. Proportioner unit
2. Supply tube -7 ft . per eductor
3. Foot valve(s) and weight(s)
4. Discharge tube(s)
5. Mounting anchor kit

## THANK YOU FOR YOUR INTEREST IN OUR PRODUCTS

Please use this equipment carefully and observe all warnings and cautions.

| WEAR | protective clothing and eyewear when dispensing chemicals or other materials. |
| :---: | :--- |
| ALWAYS | observe safety and handling instructions of the chemical manufacturers. |
| ALWAYS | direct discharge away from you or other persons or into approved containers. |


| ALWAYS | dispense cleaners and chemicals in accordance with manufacturer's instructions. Exercise <br> cAUTION when maintaining your equipment. |
| :---: | :--- |
| KEEP | equipment clean to maintain proper operation. |


| WEAR | protective clothing and eyewear when working in the vicicity of all chemicals, filling or emptying <br> equipment or changing metering tips. |
| :--- | :--- | :--- |
| ALWAYS | re-assemble equipment according to instruction procedures. Be sure all components are firmly <br> screwed or lathed into position. |
| ATTACH | only to tap water outlets ( 85 PSI maximum). |

## Installation and Operation

procedures as necessary for the number of eductors your unit contains.

1. Remove cabinet screws and cover. Drill holes for the three wall anchors with a $9 / 32$ " drill, using the cabinet back as a template for proper spacing of the mounting screws. Install mounting anchors, and then screws in top two anchors. Slide key holes in cabine
back over screw heads. Tighten screwsand install third (bottom) screw. Do not mount more than 6 ft ( 1.8 m ) above bottom of concentrate container, nor below the highest concentrate level (never mount your concentrate higher than the Streamline unit).
2. Select a metering tip for each eductor (see next section) and insert the tip into the hose barb on the eductor body.
3. Supply tube should reach from hose barb on eductor to bottom of concentrate container. If using more than one eductor, cut supply 4. tube provided to lengths required. Slide ceramic weight over one end of the tube and slide foot valve into the same end of the tube 4. Seductor
4. A short discharge tube is used with 1 GPM (grey) eductors; minimum tube length is $8^{\prime \prime}(20 \mathrm{~cm})$ for proper operation. Longer (4 ft.) tubes are used with 4 GPM (yellow) eductors. Do not remove the flooding rings from inside the tubes. Slide end of tube with flooding ring over eductor discharge outlet. Hooks on opposite end of longer tubes are provided to allow discharge tube to con viently hang from the side cabinet openings. Hang up the discharge tube after each usage to prevent continuous siphoning of concentrate.
5. Place foot valve end of supply tube into concentrate container. REMEMBER TO CHECK FOOT VALVE STRAINER PERIODICALLY FOR CLOGGING: CLEAN IF NECESSARY
6. Replace cabinet cover and screws.
7. Connect water supply hose of at least $1 / 2^{\prime \prime}$ ID to water inlet swivel. (Minimum 25 PSI pressure, with water running, is required for proper operation.) Connect other end of hose to water supply. Turn on water supply.
Push button to start flow of desired water/concentrate solution, and hold until supply tube is primed (filled). Then push the button Optional twist-to-latch buttons are available for con

## Metering Tip Selection

The final concentration of the dispensed liquid is related to both the size of the metering tip opening and the viscosity of the liquid bein siphoned. If product viscosity is noticeably greater than that of water, consult the procedure for Measurement of Concentration on the such factors as inlet water pressure and temperature can affect dilution ratios, the figures listed on the chart are only approximate. Test the actual dilution you are achieving using the Measurement of Concentration procedure for best results. Use the undrilled, clea tip for drilling a size not listed

Measurement of Concentration:
You can determine the dispensed water-to-product ratio for any metering tip size and product viscosity. All that is required
is to operate the primed dispenser for a minute or so and note is wo operate the primed dispenser for a minute or so and note
wo things: the amount of dispensed solution, and the amount f concentrate used in preparation of the solution dispensed. The water-to-product ratio is then calculated as follows:
Dilution Ratio ( $\mathrm{X}: 1$ ) where
= Amount of Mixed Solution - Amount of Concentrate Drawn Amount of Concentrate Drawn
Dilution Ratio, then, equals $X$ parts water to one part concente ( $X$-1) If the test does not yield the desired ratio, choose a different tip and repeat the test. Alternative methods to this test e 1) pH (using litmus paper), and 2) titration. Contact your
 methods and the materials required to perform them.

| APPROXIMATEDILUTIONS AT 40 PSI FOR WATER-THIN PRODUCTS ( 1.0 CP ) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Tip Color | Orifice / Std. DrillSize |  | Ratio (per Eductor Flow) |  |
|  |  |  | 1 GPM | 4 GPM |
| No Tip | . 187 | (3/16) | 2:1 | 3:1 |
| Grey | 128 | (30) | 2:1 | 3:1 |
| Black | 098 | (40) | 2:1 | 4:1 |
| Beige | 070 | (50) | 3:1 | 8:1 |
| Red | 052 | (55) | 4:1 | 14:1 |
| White | . 043 | (57) | 5:1 | 20:1 |
| Blue | 040 | (60) | 6:1 | 24:1 |
| Tan | . 035 | (65) | 8:1 | 30:1 |
| Green | . 028 | (70) | 12:1 | 45:1 |
| Orange | 025 | (72) | 16:1 | 56:1 |
| Brown | . 023 | (74) | 18:1 | 64:1 |
| Yellow | . 020 | (76) | 24:1 | 90:1 |
| Aqua | 018 | (77) | 32:1 | 128:1 |
| Purple | . 014 | (79) | 45:1 | 180:1 |
| Pink | . 010 | (87) | 128:1 | 350:1 |

## Streamline Parts Diagram



Streamline Parts Diagram/List:


$$
\begin{array}{lll}
\text { Key } & \text { Part No. } & \text { Description }
\end{array}
$$



