Troubleshooting Chart

Problem Cause		Solution	
1. No discharge	 a. No water b. Magnetic valve not functioning c. Eductor clogged d. Clogged water inlet strainer 	 a. Open water supply b. Install valve parts kit c. Clean* or replace d. Disconnect inlet water line and clean s strainer 	
2. No concentrate draw	 a. Clogged foot valve b. Metering tip or eductor has scale build-up c. Low water pressure d. Discharge tube and/or flooding ring not in place e. Concentrate container empty f. Inlet hose barb not screwed into eductor tightly g. Clogged water inlet strainer h. Air leak in chemical pick-up tube i. Selector out of position 	 a. Clean or replace b. Clean (descale)* or replace c. Minimum 25 PSI (with water running) required to operate unit properly d. Push tube firmly onto eductor discharge hose barb, or replace tube if it doesn't have a flooding ring. e. Replace with full container f. Tighten, but do not overtighten g. Disconnect inlet water line and clean strainer h. Put clamp on tube or replace tube if brittle i. Assure selector is in position desired 	
3. Excess concentrate draw	a. Metering tip not in place b. Chemical above eductor	a. Press correct tip firmly into barb on eductorb. Place concentrate below the eductor	
4. Failure of unit to turn off	 a. Water valve parts dirty or defective b. Magnet doesn't fully return c. Push button stuck 	 a. Clean* or replace with valve parts kit b. Make sure magnet moves freely. c. Remove button and clean cabinet/button to remove any dirt lodged in slide recess 	
5. Excess foaming in discharge	a. Air leak in pick-up tube	a. Put clamp on tube or replace tube if brittle	

* 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 eductor located in the cabinet, firmly grasp water valve and unthread eductor. Replace in same manner. 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.







	THANK YOU FOR Y
and observe all wa	nufactures quality chemical rnings and cautions.
WEAR	protective clothing and eyewe
ALWAYS	observe safety and handling in
ALWAYS	direct discharge away from you
ALWAYS	dispense cleaners and chemica TION when maintaining your e
	non when maintaining your e
KEEP	equipment clean to maintain p
WEAR	protective clothing and eyewe
	equipment or changing meteri
ALWAYS	re-assemble equipment accord screwed or latched into positio
ATTACH	only to tap water outlets (85 PS
NOTE	If the unit is used to fill a sink o mounted so that the bottom o

Installation and Operation:

- 2. used. (This may be used for dispensing water only). Select and install a metering tip for the single product eductor (right side) in the same manner.
- 3.
- 4. tip on the eductor. (Repeat for all eductors.)
- 5. PERIODICALLY FOR CLOGGING: CLEAN IF NECESSARY.
- 6 on longer tubes to allow discharge tube to conveniently hang from dispenser when not in use.
- 7. may be installed in the holes in the cabinet sides to prevent easy removal of cover.
- Connect water supply hose of at least 3/8 " ID to water inlet swivel. (Minimum 25 PSI pressure, 8 with water running, is required for proper operation.) Connect opposite end of hose to water supply. Turn water supply on.
- Push button to start flow of desired water/concentrate solution, and hold until supply tube is 9. primed (filled). Then push the button whenever dispensing is desired, and release button to stop flow of solution. If you wish to be able to lock the button in the "on" position: clip or bend the two tabs behind the lower front portion of the button (see diagram). This allows the button to be fully depressed and allows it to latch in the "on" position. To unlock, pull the button out.

Proportioner Model 39741 & 39751 with E-gap Eductors

Package Should Contain:

- 1. Proportioner unit.
- 2. Supply tubing 28' total.
- 3. Foot valve assemblies & weights (4).
- 4. Discharge tubing for each eductor.
- 5. Metering tip kits.
- 6. Mounting anchor kit.
- 7. Hose hook for 3.5 GPM
- eductor. 8. Instruction sheet.

OUR INTEREST IN OUR PRODUCTS

proportioning equiment. Please use this equipment carefully

ear when dispensing chemicals or other materials.

nstructions of the chemical manufacturers.

ou or other persons or into approved containers.

cals in accordance with manufacturer's instructions. Exercise CAUequipment.

proper operation.

ear when working in the vicinity of all chemicals, filling or emptying ring tips.

rding to instruction procedures. Be sure all components are firmly on.

SI maximum)

or the discharge hose can be placed into a sink, the unit must be of the cabinet is above the overflow rim of the sink.

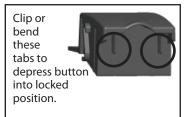
1. Find suitable place close to water source for unit. Mounting bracket should be installed approx. 5' from floor. Level bracket & mark holes. Drill 9/32" holes & install mounting anchors and screws in bracket. Drill holes for the three wall anchors with a 5/16" drill bit, using the cabinet back as template for proper spacing of the mounting screws. Install mounting anchors, and then screws in top two anchors. Slide key holes in cabinet back over screw heads, tighten screws, then install bottom screw. Do not mount more than 6 feet (1.8 meters) above the bottom of the concentrate container, nor below the highest concentrate level (never mount your concentrate higher than the proportioner). Select metering tips (up to 4) for each selector valve. (see next two sections) Push each tip firmly into a separate hose barb extending from the selector valve. A tip with no hole (clear plastic) can be used to block any valve port being

Cut tubing provided into separate supply tubes for each product to be dispensed (tubing allows 7 feet of tube per product). Supply tubes should reach from hose barbs on the selector valve body and eductor to bottom of concentrate containers. Slide ceramic weights over one end of each tube and slide foot valves into the same ends of the tubes. Slip other end of supply tube through an opening in either side of the cabinet and push over the hose barb/metering

Place foot valve ends of supply tubes into concentrate containers. REMEMBER TO CHECK FOOT VALVE STRAINERS

A short discharge tube is used with the 1GPM eductor; minimum tube length is 8 inches (20cm) for proper operation. Longer tubes (4 feet) are used with a 3.5 GPM eductor. Do not remove the flooding rings from inside the tubes. Slide end of tube with flooding ring over eductor discharge outlet. (Repeat for all eductors.) Hooks may be installed

Replace cabinet cover. Push the sides in, behind the latch holes, to snap the cover in place. The two screws provided



Metering Tip Selection:

The final concentration of the dispensed solution is related to both the size of the metering tip opening and the viscosity of the liquid being siphoned. For water-thin products, the chart at left can be used as a guideline. If product is noticeably thicker than water, consult the Measurement of Concentration Procedure below to achieve your desired water-to-product ratio. Because dilution can vary with water temperature and pressure, actual dilution achieved can only be ascertained by using the Measurement of Concentration Procedure. The clear, undrilled tip is provided to permit drilling to size not listed should you need a dilution ratio that falls between standard tip sizes.

NOTE: A 1 GPM eductor is grey; a 4 GPM eductor is yellow. Refer to parts diagram if unfamiliar with names of system components.

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 two things: the amount of dispensed solution, and the amount of concentrate used in preparation of the solution dispensed.

Dilution Ratio (X:1) where X = <u>Amount of Mixed Solution — Amount of Concentrate Drawn</u>

Tip

Color

No Tip

Grey

Black

Beige

Red

White

Blue

Tan

Green

Orange

Brown

Yellow

Aqua

Purple

Pink

Orifice

Size

.187

.128

.098

.070

.052

.043

.040

.035

.028

.025

.023

.020

.018

.014

.010

Amount of Concentrate Drawn

APPROXIMATE DILUTIONS

AT 40 PSI FOR WATER-THIN PRODUCTS (1.0 CP)

Ratio (per Eductor Flow)

3.5 GPM

4:1

4:1

5:1

8:1

13:1

22:1

26:1

34:1

52:1

64:1

71:1

102:1

128:1

213:1

447:1

1 GPM

2.6:1

2.6:1

2.5:1

3:1

5:1

7:1

9:1

11:1

17:1

19:1

22:1

32:1

39:1

64:1

128:1

Std. Drill

Number

(3/16)

(30)

(40)

(50)

(55)

(57)

(60)

(65)

(70)

(72)

(74)

(76)

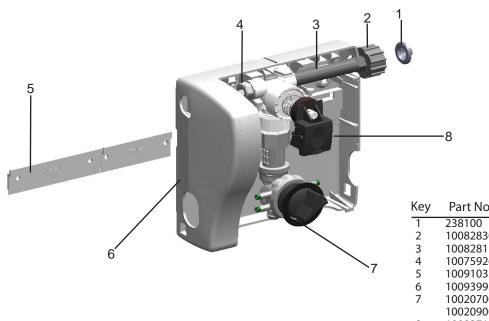
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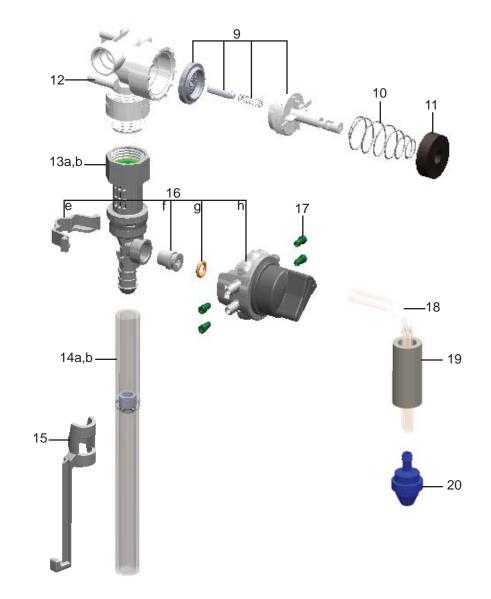
Dilution Ratio, then, equals X parts water to one part concentrate (X:1). If the test does not yield the desired ratio, choose a different tip and repeat the test. Alternative methods to this test are 1) pH (using litmus paper), and 2) titration. Contact your concentrate supplier for further information on these alternative methods and the materials required to perform them.

AccuPro Select Parts Diagram List:



Key	Part No.	Description
1	238100	Strainer washer
2	10082830	Swivel collar (molded)
3	10082811	Swivel stem (molded)
4	10075926	Pipe plug
5	10091035	Wall bracket
6	10093995	Cabinet
7	10020700	Selector valve grommet
	10020900	Back up ring for grommet
8	10093710	Button, dark grey
9	10075980	Valve parts kit
		a. diaphragm, b. armature,
		c. spring, d. valve bonnet
10	10079010	Spring
11	10079000	Magnet
12	10075986	Water valve
13 a	290	1 GPM eductor assembly
b	291	3.5 GPM eductor assembly

	AccuPro	Select	Parts	Diagram:
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Key	Part No.	Description
14 a	10088822	1 GPM discharge tube assembly
b	90048495	3.5 GPM discharge tube assembly
15	10080730	Hose hook, grey, for
		3.5 GPM discharge tube
16	10080957	Selector replacement kit:
		e. support clip, f. Suction stub,
		g. O-ring, h. selector valve assembly
17	690014	Metering tip (kit)
18	500814	Tubing, 1/4" x 14'
19	509900	Weight
20	10089410	Footvalve, viton (EPDM also
		available order 10076302)
NOT	SHOWN:	
	6/1751	Scrows (cabinat sides)

641751 Screws (cabinet sides)