


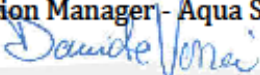





INSTRUCTION MANUAL



Mini Aqua Adil

		  	
		<small>FLUORATIONS - DOPPING - DETERGENTI & IGIENE - POOL EQUIPMENT</small>	
 DECLARATION OF CONFORMITY			
Company:	AQUA S.p.A.		
Address:	Via T. Crotti, 1 - 42018 - San Martino in Rio (RE)		
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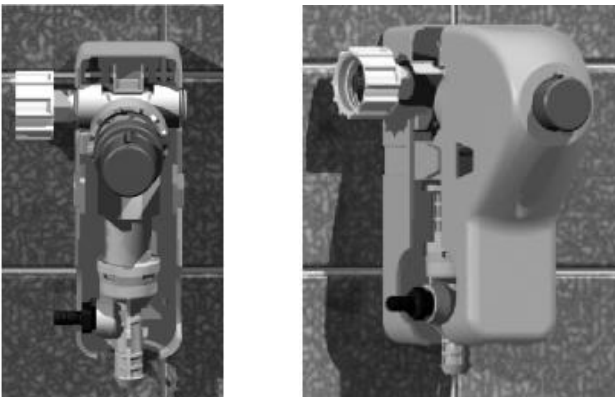
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1. WHAT'S IN THE BOX

- Proportioner unit
- Supply tubing.
- Foot valve assembly & weight
- Discharge tube for eductor
- Metering tip kit
- Mounting anchor kit
- Instruction sheet

2. INSTALLATION AND OPERATION



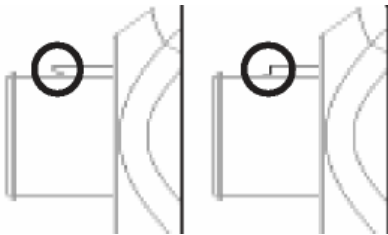
1. Remove cabinet cover. Drill holes for the three wall anchors with an 8mm drill bit, using the cabinet back as a template for correct spacing of the mounting screws. Install mounting anchors, and then screws in top two anchors. Slide key holes in cabinet back over screw heads, tighten screws, then install bottom screw. Do not mount more than 1.8 metres above the bottom of the concentrate container, nor below the highest concentrate level (never mount your concentrate higher than the proportioner).
2. Select a metering tip, and insert into hose barb on eductor body.
3. Supply tubes should reach from hose barb on eductor to bottom of the concentrate container. Slide a ceramic weight over one end of tube and slide a foot valve into the same end of the tube.
4. Slip other end of supply tube through an opening in either side of the cabinet and push over the hose barb/metering tip on the eductor.
5. Place foot valve ends of supply tubes into concentrate containers. **REMEMBER TO CHECK FOOT VALVE STRAINERS PERIODICALLY FOR CLOGGING: CLEAN IF NECESSARY.**
6. A short discharge tube is used with the 4 LPM (Grey)eductor; minimum tube length is 20cm for correct operation. Longer tubes (1 .2m) are used with a 14 LPM (Yellow) eductor. Do not remove the flooding rings from inside the tubes. Slide end of tube with flooding ring over eductor discharge outlet.
7. Replace cabinet cover. Push the sides in, behind the latch holes, to snap the cover in place.
8. Connect water supply hose of at least 1 3mmID to water inlet swivel. (Minimum 1.76 Bar pressure, with water running, is required for correct operation.) Connect opposite end of hose to water supply. Turn water supply on.

9.

10. Push button to start flow of desired water/concentrate solution, and hold until supply tube is 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 the tip of the tab at the top of the button (see diagram). This allows the button to be depressed then twisted to the right to latch in the "on" position. **To unlock, twist the button to the left then release the button to stop flow of solution**

11. Clip this tab to allow the button to be depressed then twisted into a locked position.

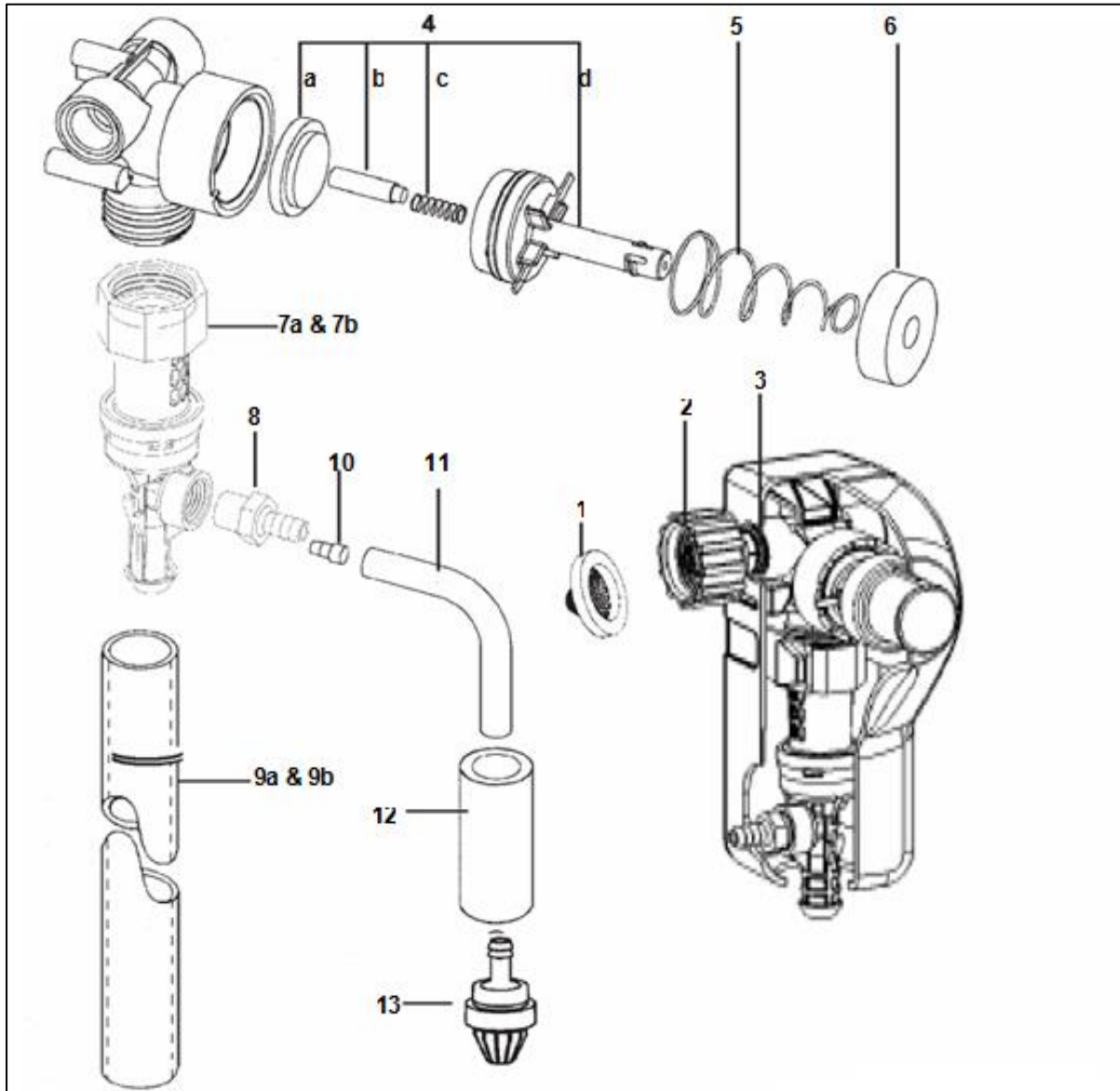


3. METERING TIP SELECTION

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 shown here can be used as a **guideline**. Because dilution can vary with water temperature and pressure, and if the product is noticeably thicker than water, dilution rates shown should be viewed as **approximates**.

APPROXIMATE DILUTIONS AT 2.86 BAR FOR WATER-THIN PRODUCTS (1.0 CP)				
Tip Colour	Orifice Size	Std. Drill Number	Ratio (per Eductor Flow)	
			4 LPM	14 LPM
No Tip	.187	(3/16)	3:1	3.5:1
Black	.098	(40)	3:1	4:1
Red	.052	(55)	5:1	14:1
Tan	.035	(65)	10:1	30:1
Brown	.023	(74)	24:1	64:1
Aqua	.018	(77)	38:1	128:1
Pink	.010	(87)	128:1	350:1

4. PARTS DIAGRAM/LIST



	Nr. Part	Description
1	238100	Strainer washer
2	10082835	Swivel collar (molded)
3	10091654	Swivel stem (molded)
4	10075980	Valve parts kit: a. Diaphragm b. Armature c. Spring d. Valve bonnet
5	10079010	Spring
6	10079000	Magnet
7 a	290GB	4 LPM eductor assembly
7 b	291GB	14 LPM eductor assembly
8	3401-R	Hose barb assembly *Included in eductor assembly
9 a	10088822	4 LPM discharge tube with flooding ring (20cm)
9 b	90048495	14 LPM discharge tube with flooding ring (1 .2m)
10	10091656	Metering tip, kit
11	500870	Tubing 6mm x 2.1m
12	509900	Weight
13	10089410	Footvalve --Viton (EPDM also available. Order 10076302.)

5. TROUBLESHOOTING CHART

PROBLEM	CAUSE	SOLUTION
No discharge	No water Magnetic valve not functioning Excessive water pressure Eductor clogged Clogged water inlet strainer	a. Open water supply b. Install valve parts kit c. Install regulator if water pressure exceeds 4.3 Bar (flowing) d. Clean* or replace
No concentrate	a. Clogged foot valve b. Metering tip or eductor has scale buildup 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	a. Clean or replace b. Clean (descale)* or replace c. Minimum 1.76 Bar (with water running) required to operate unit correctly d. Push tube firmly into 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
Excess concentrate draw	a. Metering tip not in place b. Chemical above eductor	a. Press correct tip into barb on eductor b. Place chemical below unit
Failure of unit to turn off	a. Water valve parts dirty or defective b. Magnet does not fully return c. Button does not return	a. Clean or replace with valve parts kit b. Ensure magnet moves freely c. Remove button and clean cabinet/button to remove any dirt lodged in slide recess
Excess foaming in discharge	a. Air leak in pickup 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, first remove hose barb from eductor then 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



MINI AQUA DIL

