

AccuDose II 2/3 button units with Bottle or Button activation

Package Contains:

1. Proportioner unit.
2. Chemical inlet tubing.
3. Foot valves and weights.
4. Discharge tubes for eductors.
5. Metering tip kit.
6. Mounting kit.
7. Instruction sheet.

Installation and Operation:

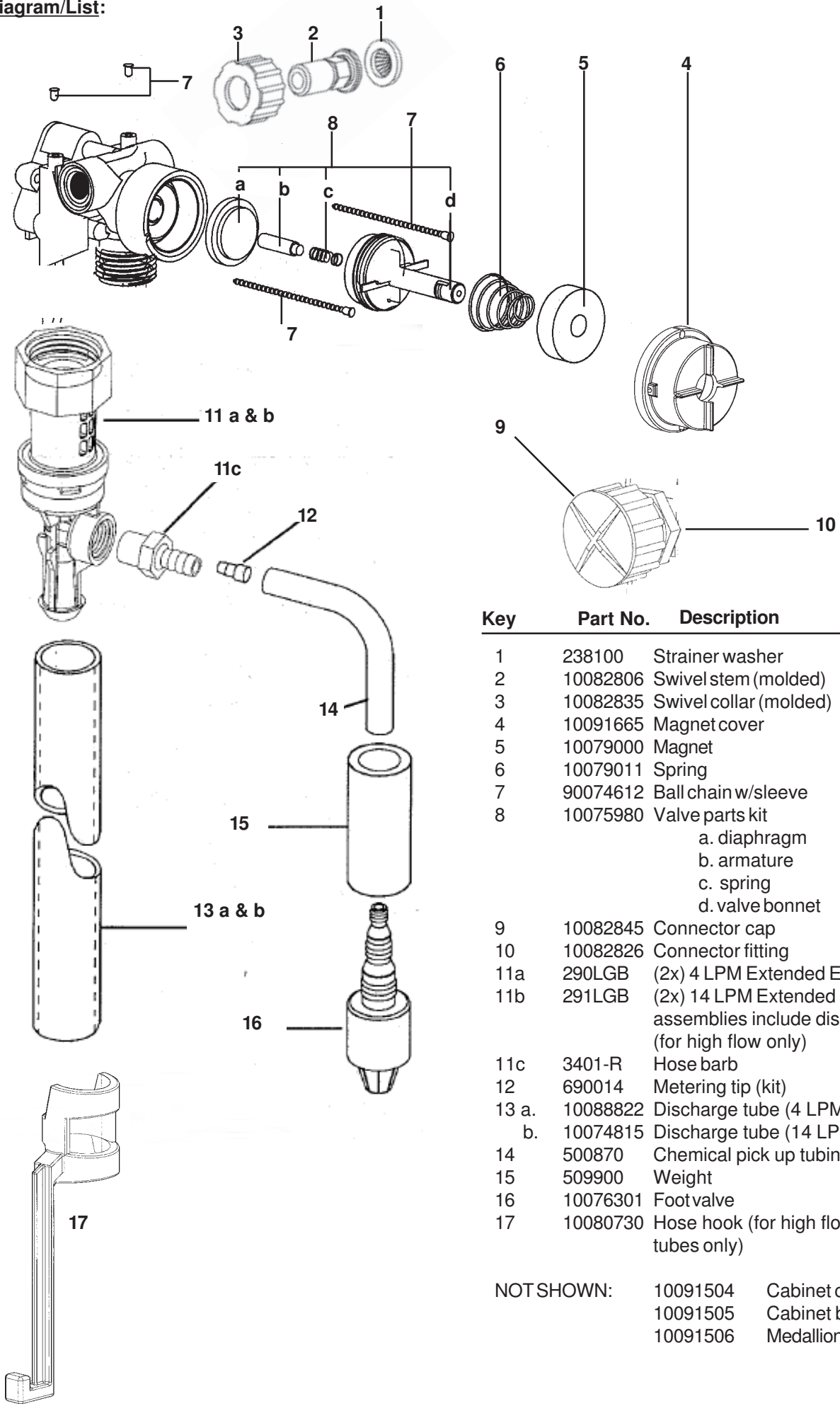
1. Remove dispenser cover.
2. Use the cabinet back as a template to mark the correct spacing of the (3) rawl plug holes.
3. Drill holes for (3) rawl plugs with an 8 mm drill bit, install rawl plugs, and then screws in top (1) anchor.
4. Slide key holes in cabinet back over screw heads, tighten screws, then install (2) bottom screws. Do not mount more than 1.8 metres above the bottom of the concentrate container, nor below the highest concentrate level (never mount concentrate higher than dispenser).
5. Select a metering tip (see next section) and insert into hose barb on eductor body. (Repeat for all eductors)
6. Pick up tube should reach from hose barb on eductor to bottom of the concentrate container. Cut supply tube provided to length required. Slide a ceramic weight over one end of tube and slide a footvalve into the same end of the tube. (Prepare tube assemblies for each eductor).
7. Push the end of the pick up tube through an opening in either side of the cabinet and push over the hose barb/metering tip on the eductor. (Repeat for all eductors)
8. Place footvalve ends of pick up tubes into concentrate containers. REMEMBER TO CHECK FOOTVALVE STRAINERS PERIODICALLY FOR CLOGGING AND CLEAN IF NECESSARY.
9. A short discharge tube is used with the 4LPM (Grey) eductor and longer tubes (1.2m) are used with the 14LPM (yellow) eductors. Do not remove the flooding ring from inside the tubes. Slide the end of the tube with the flooding ring over eductor discharge outlet. Hooks may be installed on longer tubes to allow discharge tube to hang from dispenser when not in use.
10. Reinstall cover.
11. Connect water supply hose of at least 13mm ID to water inlet swivel. Minimum 1.76Bar pressure **with water running** is required for correct operation. Connect hose to water supply and turn water on. Purge air from system by briefly depressing the flow activating devices (button or bottle activation lever) briefly.
12. For bottle activated units, insert a spray bottle over the short discharge tube and lift lever to start flow. To stop flow, lower bottle from dispenser.
13. For button activated units, buttons can be made to lock by folding down the tabs at the rear of the button. To unlock: **PULL THE BUTTON OUT.**

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 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) | | Tip Colour | Orifice Size | Std. Drill Number | Ratio(per Eductor Flow) | |
| | | | 4 LPM | 14 LPM | | | | 4 LPM | 14 LPM |
| No Tip | .187 | (3/16) | 3:1 | 3.5:1 | Green | .028 | (70) | 16:1 | 45:1 |
| Grey | .128 | (30) | 3:1 | 4:1 | Orange | .025 | (72) | 20:1 | 56:1 |
| Black | .098 | (40) | 3:1 | 4:1 | Brown | .023 | (74) | 24:1 | 64:1 |
| Beige | .070 | (50) | 4:1 | 8:1 | Yellow | .020 | (76) | 32:1 | 90:1 |
| Red | .052 | (55) | 5:1 | 14:1 | Aqua | .018 | (77) | 38:1 | 128:1 |
| White | .043 | (57) | 7:1 | 20:1 | Purple | .014 | (79) | 64:1 | 180:1 |
| Blue | .040 | (60) | 8:1 | 24:1 | Pink | .010 | (87) | 128:1 | 350:1 |
| Tan | .035 | (65) | 10:1 | 30:1 | | | | | |

Parts Diagram/List:



| Key | Part No. | Description |
|------------|----------|---|
| 1 | 238100 | Strainer washer |
| 2 | 10082806 | Swivel stem (molded) |
| 3 | 10082835 | Swivel collar (molded) |
| 4 | 10091665 | Magnet cover |
| 5 | 10079000 | Magnet |
| 6 | 10079011 | Spring |
| 7 | 90074612 | Ball chain w/sleeve |
| 8 | 10075980 | Valve parts kit a. diaphragm b. armature c. spring d. valve bonnet |
| 9 | 10082845 | Connector cap |
| 10 | 10082826 | Connector fitting |
| 11a | 290LGB | (2x) 4 LPM Extended E-Gap assembly |
| 11b | 291LGB | (2x) 14 LPM Extended E-Gap assembly assemblies include discharge hose & hook (for high flow only) |
| 11c | 3401-R | Hose barb |
| 12 | 690014 | Metering tip (kit) |
| 13 a. | 10088822 | Discharge tube (4 LPM) |
| 13 b. | 10074815 | Discharge tube (14 LPM) |
| 14 | 500870 | Chemical pick up tubing |
| 15 | 509900 | Weight |
| 16 | 10076301 | Footvalve |
| 17 | 10080730 | Hose hook (for high flow discharge tubes only) |
| NOT SHOWN: | 10091504 | Cabinet cover |
| | 10091505 | Cabinet back |
| | 10091506 | Medallion |

Troubleshooting Chart:

| Problem | Cause | Solution |
|--------------------------------|---|---|
| 1. Unit doesnot dispense | <ul style="list-style-type: none"> a. No water b. Magnetic valve not functioning c. Excessive water pressure d. Eductor clogged e. Low flow mechanism failure f. Clogged water inlet strainer | <ul style="list-style-type: none"> a. Open water supply b. Install valve parts kit c. Install regulator if flowing water pressure exceeds 4.3 bar d. Clean (descale) or replace e. Install new parts f. Disconnect inlet water line and clean strainer |
| 2. No concentrate draw | <ul style="list-style-type: none"> a. Clogged foot strainer b. Metering tip or eductor has scale build-up c. Low water pressure d. Discharge tube not in place (high flow only) e. Concentrate container empty f. Clogged water inlet strainer i. Air leak in chemical pick-up tube j. Clear plastic tip installed in inlet hose barb | <ul style="list-style-type: none"> a. Clean or replace b. Clean (descale) or replace c. Minimum 1.76 Bar (with water running) required to operate unit properly d. Push tube firmly onto eductor discharge hose barb e. Replace with full container f. Disconnect inlet water line and clean strainer i. Put clamp on tube or replace tube if brittle j. Replace with coloured metering tip |
| 3. Excess concentrate draw | <ul style="list-style-type: none"> a. Metering tip not in place | <ul style="list-style-type: none"> a. Press correct tip firmly into barb on product inlet |
| 4. Failure of unit to turn off | <ul style="list-style-type: none"> a. Water valve parts dirty or defective b. Magnet doesn't fully return c. Excessive water pressure d. Mechanism sticks | <ul style="list-style-type: none"> a. Clean or replace with valve parts kit b. Make sure magnet moves freely Replace spring if short or weak c. Install regulator if pressure (with water flowing) exceeds 4.3 bar d. Ensure bracket is free to move and not broken |
| 5. Excess foaming in discharge | <ul style="list-style-type: none"> a. Air leak in chemical pick-up tube | <ul style="list-style-type: none"> a. Put clamp on tube or replace tube if brittle |

