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FIRMWARE VERSION NOTE

This manual was written for firmware v1.02. If you received newer firmware but did not receive an electronic copy of the manual covering that version of firmware, please contact your distributor.

Section A: Programming the Controller

A - 1: Entering the Program Menu

To enter the program menu, press and hold both the Cal and Up key for 3 seconds. When the LCD screen clears, release the keys and “Program” should appear on the display. Press the Up key to enter the menu and press the Down key to exit. Use the Up or Down Arrows to scroll to the setting you wish to change. Press the Cal key to select the setting, then use the Up or Down Arrows to modify the value. Press the Cal key again to enter the new value and return to the menu. To exit the program menu, scroll to the “Exit menu” option and depress the Cal key.

NOTE: After five minutes of no programming activity, the Time-Out feature will automatically exit the programming menu.



A - 1.1: Selecting Language

The controller can be programmed to display in three different languages. Once you have entered the program menu the screen will display Language ENG, signifying that the display is currently set to English. Pressing the Cal will display the question mark (?) before the language. Use the up and down buttons to select between ENG (English), ESP (Spanish), and FRA (French), and press the Cal key to select the language you would like to use for the display.



A - 1.2: Setting the pH High Alarm Point

Pressing the down arrow displays pH High followed by the current pH high alarm point. To change this setting, press the Cal key, use the up or down arrows to input the value you would like, then press the Cal key again to save the new value.



A - 1.3: Setting the pH Low Alarm Point

Pressing the down arrow displays pH Low followed by the current pH low alarm point. To change this setting, press the Cal key, use the up or down arrows to input the value you would like, then press the Cal key again to save the new value.



A - 1.4: Setting the ORP High Alarm Point

Pressing the down arrow displays ORP High followed by the current ORP high alarm point. To change this setting, press the Cal key, use the up or down arrows to input the value you would like, then press the Cal key again to save the new value.



A - 1.5: Setting the ORP Low Alarm Point

Pressing the down arrow displays ORP Low followed by the current ORP low alarm point. To change this setting, press the Cal key, use the up or down arrows to input the value you would like, then press the Cal key again to save the new value.



A - 1.6: ORP/ppm

Pressing the down arrow displays ORP/ppm selection. This option selects whether to use an ORP set point or a ppm set point for the main Cl/Br feed control. It is set to ORP by default. To change this setting, press the Cal key, use the up and down arrows to change between ORP and ppm, then press the Cal key again to save the new value. This option is only available if configured to allow ppm control.



A - 1.7: Exiting the Menu

Pressing the Down Arrow displays Exit menu. Pressing the Cal key exits the programming menu.



Section B: Normal Operation

B - 1: Displaying the Set Points

To display the Set Points, press the Set Point key briefly. The set points will be displayed for three seconds.



B - 2: Modifying the Set Points

To modify the set points press the Set Point key for three seconds. The display will change to pH SetPt followed by the current pH Set Point.



B - 2.1: Modifying the pH Set Point

To change this setting, use the Up or Down Arrows to input the new value, then press the Set point key again to save it. To skip entering a new value, press the Set Point key.



B - 2.2: Modifying the ORP Set Point

If the system is configured to control using an ORP set point, the screen will display ORP SetPt followed by the current ORP Set point. To change this setting, use the Up or Down Arrows to input the new value, then press the Set point key again to save it. To skip entering a new value, press the Set Point key.



B - 2.3: Modifying the ppm Set point

If the system is configured to control using a ppm set point, the screen will display ppm SetPt and the current ppm set point on the LED bar graph will be flashing. To change this setting, use the UP or Down Arrows to adjust this value shown on the LED bar graph and press the Set point key again to save the new value. To skip entering a new value, press the Set Point key.



B - 2.4: Modifying the Booster Trigger Point

If relay 3 is configured for Cl/Br Booster control, the screen will display boostr trig followed by the current trigger point. To change this setting, use the Up or Down Arrows to input the new value, then press the Set point key again to save it. To skip entering a new value, press the Set Point key.



B - 2.5: Modifying the Booster End Point

If relay 3 is configured for Cl/Br Booster control, the screen will display booster end followed by the current end set point. To change this setting, use the Up or Down Arrows to input the new value, then press the Set point key again to save it. To skip entering a new value, press the Set Point key.



B - 3: Single Point Calibration

To enter the calibration menu, press and hold the Cal key for three seconds. After the display clears, release the Cal key.



B - 3.1: Single Point Calibration - pH

The display should now read Cal pH followed by the current pH reading. Use the arrow keys to adjust the displayed value to match your test kit reading, then press the Cal key to save it.



B - 3.2: Single Point Calibration - ppm

If ppm is available on your unit, the display should read Cal ppm and the ppm LED's will be flashing. Use the arrow keys to adjust the LED bar graph to match your test kit reading, then press the Cal key to save it.



B - 4: Alarms

During normal operation, the following alarms may be displayed. Some alarms will not be available depending on the system's configuration.

B - 4.1: pH High/Low alarms

High pH ALARM Low pH ALARM

Displayed when the pH input has risen above/fallen below the pH high/low alarm point. These alarms will also trigger the Cl/Br Lockout alarm.

B - 4.2: ORP High/Low alarms

High ORP ALARM Low ORP ALARM

Displayed when the ORP input has risen above/fallen below the ORP high/low alarm point.

B - 4.3: No Flow alarm

No Flow ALARM

Displayed when the flow input indicates the flow has stopped. This alarm disables all chemical feeds.

B - 4.4: (x) min Feed Delay

5 min Feed Delay

When flow is disrupted and then restored, the controller will delay restarting feeds for a programmed duration in order to prevent operating feeds based on readings from stagnant water. (x) = the number of minutes remaining before feeds are allowed to start (e.g. 5 min Feed Delay).

B - 4.5: Cl/Br Lockout

Cl/Br Lockout

Triggered whenever there is a pH high or low alarm, this message indicates that the Cl/Br feed (relay 2) and the optional Cl/Br Booster (relay 3) are disabled in order to prevent the Cl/Br feeds from driving the pH even further out of range.

B - 4.6: pH FAILSAFE ALM

pH FAILSAFE ALM

Displayed when the active pH feed (feed up or feed down) attempted to feed continuously for the selected failsafe duration. The active pH feed is disabled until one of the following conditions occurs:

- 1) The pH input reaches the programmed set point.
- 2) Disruption of flow
- 3) User manually resets the failsafe.

B - 4.7: Cl/Br FAILSAFE

Cl/Br FAILSAFE

Displayed when the Cl/Br feed attempted to feed continuously for the selected failsafe duration. The Cl/Br feed is disabled until one of the following conditions occurs:

- 1) The ORP/ppm input reaches the programmed set point.
- 2) Disruption of flow
- 3) User manually resets the failsafe.

B - 4.8: Booster FAILSAFE

Booster FAILSAFE

Displayed when the optional Cl/Br Booster feed attempted to feed continuously for the selected failsafe duration. The Cl/Br Booster feed is disabled until one of the following conditions occurs:

- 1) The ORP input reaches the Cl/Br Booster set point.
- 2) Disruption of flow
- 3) User manually resets the failsafe.

B - 5: Resetting a Failsafe Alarm

To reset a failsafe alarm, press and hold the Up and Down Arrow keys for two seconds.



Section C: Maintenance

The BECSys2 requires no maintenance other than a periodic calibration check and sensor cleaning.

C - 1: Potentiometric Sensors (pH and ORP)

C - 1.1: Electrode Cleaning:

Slow response time and large offsets may indicate the electrode has become coated. The nature of the coating will dictate the type of cleaning technique that should be used.

! You may lightly blot the water on a pH sensor tip on a paper towel, but **never vigorously rub or wipe the pH bulb** because this may scratch the delicate outer layer on the pH glass impairing its response.

- ▶ Soft coatings, like bacterial films, are best removed using a squirt bottle or the water jet from a faucet. If this is not successful, then gently wipe with a soft wet cloth.
- ▶ For a more severe coating, first try a strong detergent (something similar to Dawn liquid detergent) and warm water, using a soft brush (like a toothbrush). Isopropyl alcohol on a Q-tip is another good choice. Rinse the measuring end in distilled water before reinstallation.
- ▶ Greasy and oily coatings are best removed with a detergent solution or a solvent that will not attack the sensor body. Methanol and isopropyl alcohol are good choices for solvents. Acetone, MEK, THF, or trichloroethane will irreparably harm the electrode.
- ▶ Hard coatings, like calcium or lime scale, are best removed with a solvent appropriate for the particular coating. A 5% solution of hydrochloric acid (HCl) would be a good choice for calcium scale. If unsure of the proper solvent to remove a hard mineral coating, then alternate between a 5% hydrochloric acid and a 4% sodium hydroxide (NaOH) for 10 minutes each. After treating the electrode with these strong acids or bases, rinse the electrode with water and soak it in a pH 4 buffer for at least 1/2 hour.
- ▶ The platinum tip of an ORP sensor can be cleaned with an abrasive as a last resort. Gently scour the platinum with a 600 grit wet emery cloth, or preferably, a 1-3 micron alumina polishing powder.

C - 1.2: Long-Term Storage:

Save the wetting cap that came with the sensor for long-term storage. After removing the sensor from the flow-cell, clean it as in routine maintenance, then store it in the wetting cap using a pH 4 buffer saturated with potassium chloride (KCl). The potassium chloride will prevent electrolyte from leaching out of the sensors reference cell. The wetting cap only needs to be half full. If a number of sites are going to be serviced, for example, at the end of a season, then it might be a good idea to carry a pint of 4.0/KCl storage solution.

Section D: Feed Charts

Use the charts on the following pages to determine the correct amount of chemical to add to spa or pool water to achieve desired conditions. Choose which chart to use by the chemical indicated and the number of gallons to be treated.

D - 1: Spa Feed Charts

Quantity of Muriatic Acid Needed to Lower Total Alkalinity						
Desired Decrease In ppm	Gallons in Spa					
	100	150	250	500	750	1000
10	1.25 ts	2.00 ts	1.00 tb	2.00 tb	3.00 tp	0.25 cp
20	2.50 ts	4.00 ts	2.00 tb	0.25 cp	0.33 cp	0.50 cp
30	1.25 tb	2.00 tb	3.00 tb	0.33 cp	0.67 cp	0.75 cp
40	5.00 ts	2.50 tb	0.25 cp	0.50 cp	0.75 cp	1.00 cp
50	2.00 tb	3.00 tb	5.00 tb	0.67 cp	1.00 cp	1.33 cp
60	2.50 tb	0.25 cp	0.33 cp	0.75 cp	1.00 cp	1.50 cp
70	3.00 tb	0.25 cp	0.50 cp	1.00 cp	1.33 cp	1.75 cp
80	3.50 tb	0.33 cp	0.50 cp	1.00 cp	1.50 cp	2.00 cp
90	0.25 cp	0.33 cp	0.67 cp	1.00 cp	1.67 cp	2.33 cp
100	0.25 cp	0.50 cp	0.67 cp	1.33 cp	2.00 cp	2.50 cp

ts = teaspoon tb = tablespoon cp = one cup (8 fl oz)

Quantity of Sodium Bisulfate Needed to Lower Total Alkalinity						
Desired Decrease In ppm	Gallons in Spa					
	100	150	250	500	750	1000
10	1.50 ts	2.50 ts	1.00 tb	2.50 tb	0.25 cp	0.33 cp
20	1.00 tb	1.50 tb	1.50 tb	0.33 cp	0.50 cp	0.67 cp
30	1.50 tb	2.50 tb	0.25 cp	0.50 cp	0.75 cp	1.00 cp
40	2.00 tb	3.00 tb	0.33 cp	0.67 cp	1.00 cp	1.25 cp
50	2.50 tb	0.25 cp	0.50 cp	0.75 cp	1.25 cp	1.50 cp
60	3.00 tb	4.50 tb	0.50 cp	1.00 cp	1.50 cp	2.00 cp
70	0.25 cp	0.33 cp	0.50 cp	1.00 cp	1.67 cp	2.25 cp
80	0.25 cp	0.33 cp	0.67 cp	1.25 cp	2.00 cp	2.50 cp
90	0.33 cp	0.50 cp	0.75 cp	1.50 cp	2.25 cp	3.00 cp
100	0.33 cp	0.50 cp	0.75 cp	1.67 cp	2.50 cp	3.25 cp

ts = teaspoon tb = tablespoon cp = one cup (8 fl oz)

Quantity of Bicarbonate of Soda Needed to Raise Total Alkalinity						
Desired Increase In ppm	Gallons in Spa					
	100	150	250	500	750	1000
10	1.25 ts	2.00 ts	4.00 ts	2.50 tb	0.25 cp	0.33 cp
20	1.00 tb	1.50 tb	2.50 tb	5.00 tb	0.50 cp	0.50 cp
30	1.50 tb	2.00 tb	3.50 tb	0.50 cp	0.67 cp	1.00 cp
40	2.00 tb	3.00 tb	0.33 cp	0.50 cp	1.00 cp	1.00 cp
50	2.50 tb	3.50 tb	6.00 tb	0.75 cp	1.00 cp	1.50 cp
60	3.00 tb	0.25 tb	0.50 cp	1.00 cp	1.33 cp	1.75 cp
70	3.50 tp	0.35 cp	0.50 cp	1.00 cp	1.50 cp	2.00 cp
80	0.25 cp	0.33 cp	0.50 cp	1.25 cp	1.75 cp	2.50 cp
90	0.33 cp	0.50 cp	0.67 cp	1.33 cp	2.05 cp	2.75 cp
100	0.33 cp	0.50 cp	0.75 cp	1.50 cp	2.25 cp	3.00 cp

ts = teaspoon tb = tablespoon cp = one cup (8 fl oz)

Quantity of Calcium Chloride Needed to Increase Calcium Hardness						
Desired Increase In ppm	Gallons in Spa					
	100	150	250	500	750	1000
10	1.25 ts	2.00 ts	1.00 tb	2.00 tb	3.00 tb	0.25 cp
20	2.50 ts	4.00 ts	2.00 tb	0.25 cp	0.33 cp	0.50 cp
30	1.25 tb	2.00 tb	3.00 tb	0.33 cp	0.67 cp	0.75 cp
40	4.00 ts	2.50 tb	0.25 cp	0.50 cp	0.75 cp	1.00 cp
50	2.00 tb	3.00 tb	5.00 tb	0.67 cp	1.00 cp	1.33 cp
60	2.50 tb	0.25 cp	0.33 cp	0.75 cp	1.00 cp	1.50 cp
70	3.00 tp	0.25 cp	0.50 cp	1.00 cp	1.33 cp	1.75 cp
80	3.50 tp	0.25 cp	0.50 cp	1.00 cp	1.50 cp	2.00 cp
90	0.25 cp	0.33 cp	0.33 cp	1.00 cp	1.67 cp	2.33 cp
100	0.25 cp	0.50 cp	0.67 cp	1.33 cp	2.00 cp	2.50 cp

ts = teaspoon tb = tablespoon cp = one cup (8 fl oz)

Quantity of Chlorine Compound Needed to Increase 1 ppm						
Percent Chlorine In Product	Gallons in Spa					
	100	150	250	500	750	1000
5	0.50 tb	2.00 ts	1.25 tb	2.50 tb	0.25 cp	0.33 cp
10	0.25 tb	1.00 ts	2.00 ts	1.25 tb	2.00 tb	2.50 tb
12	0.25 tb	1.00 ts	0.50 tb	1.00 tb	1.50 tb	2.00 tb
30	0.25 tb	0.33 ts	0.75 ts	1.25 ts	2.00 ts	2.50 ts
40	0.167 ts	0.25 ts	0.500 ts	1.00 ts	1.50 ts	2.00 ts
50	0.167 ts	0.25 ts	0.375 ts	0.75 ts	1.25 ts	1.50 ts
60	0.167 tb	0.200 ts	0.375 ts	0.50 ts	1.00 ts	1.25 ts
65	0.100 ts	0.167 ts	0.250 ts	0.50 ts	0.75 ts	1.00 ts

ts = teaspoon tb = tablespoon cp = one cup (8 fl oz)

D - 2: Pool Feed Charts

Quantity of Muriatic Acid Needed to Lower Total Alkalinity									
Desired Decrease In ppm	Gallons in Pool								
	10,000	25,000	50,000	75,000	100,000	200,000	500,000	750,000	1,000,000
10	1.30 pt	1.62 qt	3.25 qt	1.22 gl	1.62 gl	3.25 gl	8.13 gl	12.20 gl	16.25 gl
20	1.30 pt	3.25 qt	1.62 gl	2.43 gl	3.25 gl	7.50 gl	16.20 gl	24.30 gl	32.50 gl
30	1.95 qt	1.22 gl	2.44 gl	3.86 gl	4.98 gl	9.76 gl	24.40 gl	36.60 gl	48.80 gl
40	2.80 qt	1.63 gl	3.25 gl	4.87 gl	6.50 gl	13.00 gl	32.50 gl	48.80 gl	65.00 gl
50	3.25 qt	2.03 gl	4.07 gl	6.10 gl	8.14 gl	16.28 gl	40.70 gl	61.00 gl	81.40 gl
60	3.90 qt	2.44 gl	4.88 gl	7.32 gl	9.76 gl	19.52 gl	48.80 gl	73.20 gl	97.80 gl
70	1.14 gl	2.84 gl	5.69 gl	8.54 gl	11.38 gl	22.76 gl	56.90 gl	85.45 gl	113.80 gl
80	1.30 gl	3.25 gl	6.50 gl	9.75 gl	13.00 gl	26.00 gl	65.00 gl	97.50 gl	138.00 gl
90	1.48 gl	3.66 gl	7.31 gl	10.96 gl	14.82 gl	29.24 gl	73.10 gl	109.60 gl	146.20 gl
100	1.63 gl	4.06 gl	8.12 gl	12.18 gl	16.24 gl	32.48 gl	81.20 gl	121.80 gl	162.40 gl
120	1.96 gl	4.88 gl	9.76 gl	14.64 gl	19.52 gl	39.00 gl	97.80 gl	148.40 gl	196.20 gl
150	2.44 gl	6.09 gl	12.18 gl	18.27 gl	24.40 gl	48.80 gl	121.80 gl	182.70 gl	244.00 gl
200	3.25 gl	8.12 gl	18.24 gl	24.36 gl	32.50 gl	65.00 gl	162.40 gl	243.80 gl	325.00 gl

pt = one pt (16 fl oz) qt = one quart (32 fl oz) gl = one gallon (128 fl oz)

Quantity of Bicarbonate of Soda Needed to Raise Total Alkalinity									
Desired Increase In ppm	Gallons in Pool								
	10,000	25,000	50,000	75,000	100,000	200,000	500,000	750,000	1,000,000
10	1.50 lb	3.75 lb	7.50 lb	11.25 lb	15.00 lb	30.00 lb	75.00 lb	112.50 lb	150.00 lb
20	3.00 lb	7.50 lb	15.00 lb	22.50 lb	30.00 lb	60.00 lb	150.00 lb	225.00 lb	300.00 lb
30	4.50 lb	11.25 lb	22.50 lb	33.75 lb	45.00 lb	90.00 lb	225.00 lb	337.50 lb	450.00 lb
40	6.00 lb	15.00 lb	30.00 lb	45.00 lb	60.00 lb	120.00 lb	300.00 lb	450.00 lb	600.00 lb
50	7.50 lb	18.75 lb	37.50 lb	56.25 lb	75.00 lb	150.00 lb	375.00 lb	562.50 lb	750.00 lb
60	9.00 lb	22.50 lb	45.00 lb	67.50 lb	90.00 lb	180.00 lb	450.00 lb	675.00 lb	900.00 lb
70	10.50 lb	26.25 lb	52.50 lb	78.75 lb	105.00 lb	210.00 lb	525.00 lb	787.50 lb	1050.00 lb
80	12.00 lb	30.00 lb	60.00 lb	90.00 lb	120.00 lb	240.00 lb	600.00 lb	900.00 lb	1200.00 lb
90	13.50 lb	33.75 lb	67.50 lb	101.25 lb	135.00 lb	270.00 lb	675.00 lb	1012.50 lb	1350.00 lb
100	15.00 lb	37.50 lb	75.00 lb	112.50 lb	150.00 lb	300.00 lb	750.00 lb	1125.00 lb	1500.00 lb

lb =pounds of dry chemical

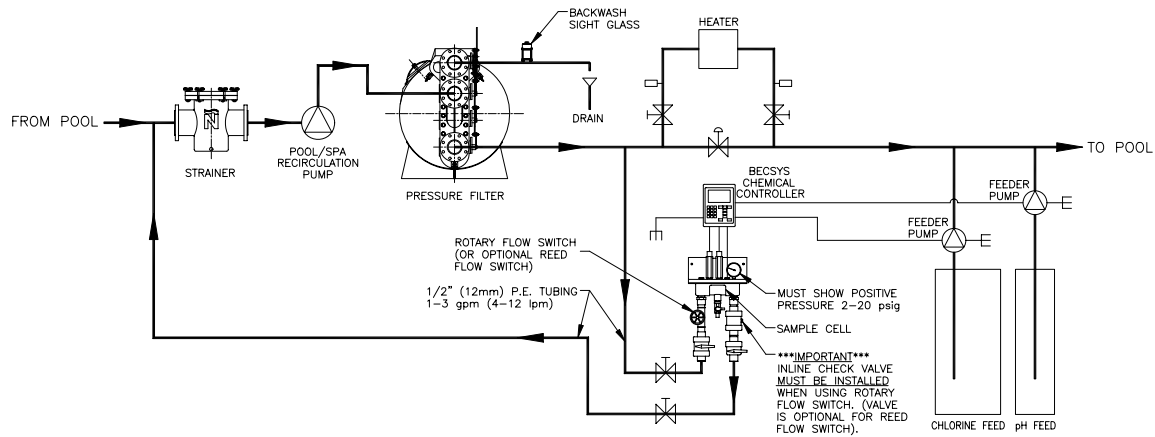
Quantity of Calcium Chloride Needed to Increase Calcium Hardness									
Desired Increase In ppm	Gallons in Pool								
	10,000	25,000	50,000	75,000	100,000	200,000	500,000	750,000	1,000,000
	lb oz	lb oz	lb oz	lb oz	lb oz	lb	lb oz	lb oz	lb
10	1 4	3 2	6 4	9 6	12 8	25	62 8	93 12	125
20	2 8	6 4	12 8	18 12	25 0	50	125 0	197 8	250
30	3 12	9 6	18 12	28 2	37 8	75	187 8	281 4	375
40	5 0	12 8	25 0	37 8	50 0	100	250 0	375 0	500
50	6 4	15 10	31 4	46 14	62 8	125	312 8	468 12	625
60	7 8	18 12	37 8	56 4	75 0	150	375 0	562 8	750
70	8 12	21 14	43 12	65 10	87 8	175	437 8	658 4	875
80	10 0	25 0	50 0	75 0	100 0	200	500 0	750 0	1,000
90	11 4	28 2	56 4	84 6	112 8	225	562 8	843 12	1,125
100	12 8	31 4	62 8	93 12	125 0	250	625 0	937 8	1,250
150	18 12	46 14	93 12	104 10	187 8	375	937 8	1,406 4	1,875
200	25 0	62 8	125 0	187 8	250 0	500	1,250 0	1,875 0	2,500

Quantity of Chlorine Compound Needed to Increase 1 ppm									
Percent Chlorine In Product	Gallons in Pool								
	10,000	25,000	50,000	75,000	100,000	200,000	500,000	750,000	1,000,000
5	3.2 cp	2 qt	1 gl	1.5 gl	2 gl	4 gl	10 gl	15 gl	20 gl
10	1.6 cp	1 qt	2 qt	3 qt	1 gl	2 gl	5 gl	7.5 gl	10 gl
12	1.33 cp	1.67 pt	1.517 qt	2.276 pt	3.33 qt	1.665 gl	4.163 gl	6.245 gl	8.326 gl
30	0.278 lb	0.665 lb	1.390 lb	2.085 lb	2.780 lb	5.580 lb	13.900 lb	20.850 lb	27.800 lb
40	0.209 lb	0.521 lb	1.043 lb	1.565 lb	2.086 lb	4.172lb	10.430 lb	15.645 lb	20.860 lb
50	0.167 lb	0.417 lb	0.834 lb	1.251 lb	1.668 lb	3.336lb	8.340lb	12.511 lb	16.680 lb
60	0.139 lb	0.348 lb	0.695 lb	1.043 lb	1.390 lb	2.780lb	6.950 lb	10.425 lb	13.900 lb
65	0.128 lb	0.321 lb	0.642 lb	0.963 lb	1.284 lb	2.568lb	6.420 lb	9.630lb	12.840 lb
70	0.119 lb	0.298 lb	0.596 lb	0.894 lb	1.192 lb	2.384lb	5.960lb	8.940 lb	11.920 lb
75	0.111 lb	0.278 lb	0.556 lb	0.834 lb	1.112 lb	2.224 lb	5.560 lb	8.340 lb	11.120 lb
80	0.104 lb	0.261 lb	0.521 lb	0.782 lb	1.042 lb	2.064 lb	5.210 lb	7.815 lb	10.420 lb
85	0.096 lb	0.417 lb	0.491 lb	0.737 lb	0.982 lb	1.964 lb	4.910 lb	7.365 lb	9.829 lb
90	0.093 lb	0.232 lb	0.463 lb	0.695 lb	0.926 lb	1.852 lb	4.630 lb	6.945 lb	9.260 lb
100	0.083 lb	0.209 lb	0.417 lb	0.626 lb	0.634 lb	1.668 lb	4.170 lb	6.225lb	8.340 lb

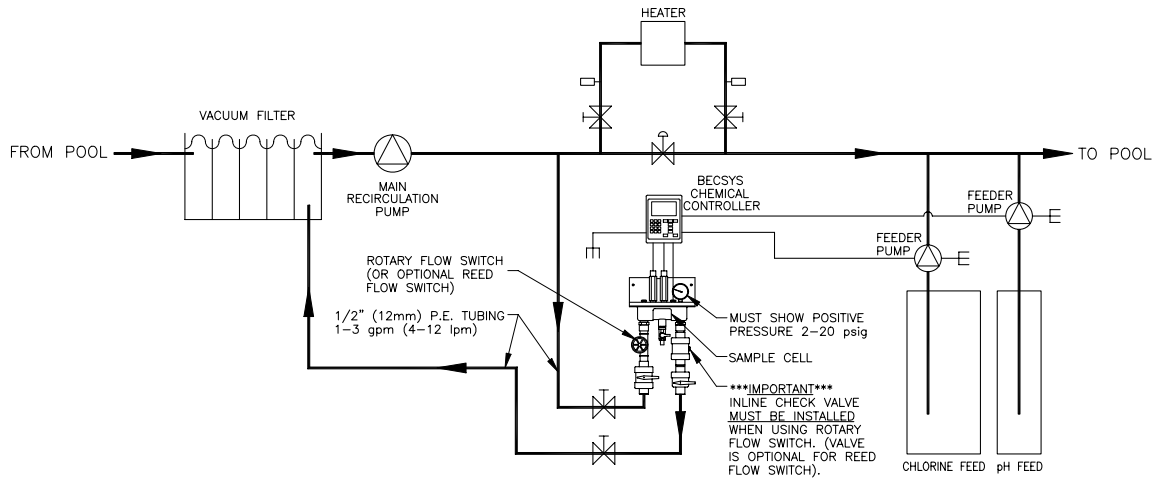
cp = one cup (8 fl oz) pt = one pt (16 fl oz) qt = one quart (32 fl oz)
gl = one gallon (128 fl oz) lb =pounds of dry chemical

Section E: Installation Diagrams

E - 1: Pressure Filter Installation



E - 2: Vacuum Filter Installation



Section F: Warranty

LIMITED WARRANTY

BECS warrants the controller electronics and flow cell against any defect in workmanship or materials for a period of two years from the date of shipment. BECS warrants the pH and ORP sensors against any defect in workmanship or materials for a period of one year from the date of shipment. In the event of a component failure due to any defect in workmanship or materials, BECS will repair, or if repair is not possible, replace the defective part or parts of the BECSys controller.

BECS will have the sole right to determine whether to repair or replace a product. BECS will not be responsible for any expense associated with installation of repaired or replacement parts.

LIMITATIONS AND EXCLUSIONS

This is a LIMITED WARRANTY. BECS makes NO WARRANTIES other than those contained herein. The LIMITED WARRANTY replaces and is in lieu of any WARRANTIES of MERCHANTABILITY or of FITNESS FOR A PARTICULAR PURPOSE which are expressly DISCLAIMED. All GENERAL, SPECIAL, INDIRECT, INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE EXCLUDED AND DISCLAIMED.

This Limited Warranty is governed by Missouri Law and all disputes related to or arising from this transaction or Limited Warranty shall be resolved in Circuit Court of St. Louis County, Missouri.

Any claims under this Limited Warranty must be brought within ONE YEAR after the cause of action accrued.



TECHNOLOGY Inc. has been designing and manufacturing the industry's most reliable water chemistry controller for over 15 years. Our 24,000 ft² facility in Saint Louis, Missouri is home to an exceptional design team, and all manufacturing is performed onsite at this facility where we can personally assure the quality of our products. The BECS commitment to excellence drives the most innovative new products and unparalleled customer service.