MAINTENANCE MADE EASY
SOLUTIONS FOR THE SWIMMING POOL, SPA AND HOT TUB PROFESSIONAL

Our Pro Series peristaltic pumps deliver professional quality features that make operation and maintenance simple.

PRO SERIES FEATURES INCLUDE:
• A quick-release cover for fast tubing access
• Electronic controls for extended motor life
• A three-way switch controls Time/OFF/Continuous
• Self-priming pump
• Includes Clear Tygon and Black Norprene Squeeze Tubes
• 30 psi rating
• 18-ft. suction lift
• Pumps operate on 9-minute cycles
• Available in 120V or 240V corded or permanent wire
• Maximum amps – 2.5
• One-year limited warranty (tubing not included)
• Manufactured in the USA

ROLA-CHEM PRO SERIES OUTPUT RATES

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MINIMUM FEED RATE/24HR</th>
<th>MAXIMUM FEED RATE/24HR</th>
<th>RECOMMENDED POOL/SPA CHLORINE TO FEED RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>RC-252 SC</td>
<td>.01 GPD</td>
<td>.9 GPD</td>
<td>UP TO 500 GALLONS</td>
</tr>
<tr>
<td>RC-25/53 SC</td>
<td>.10 GPD</td>
<td>12 GPD</td>
<td>500 – 65,000 GALLONS</td>
</tr>
<tr>
<td>RC-103 SC</td>
<td>.34 GPD</td>
<td>38 GPD</td>
<td>65,000 – 150,000 GALLONS</td>
</tr>
<tr>
<td>RC-503 SC</td>
<td>1.0 GPD</td>
<td>77 GPD</td>
<td>150,000 – 500,000 GALLONS</td>
</tr>
</tbody>
</table>

ROLA-CHEM PRO SERIES ESTIMATED MAXIMUM GALLONS PER DAY

<table>
<thead>
<tr>
<th>SETTINGS</th>
<th>ON</th>
<th>OFF</th>
<th>RC-252</th>
<th>RC-25/53</th>
<th>RC-103</th>
<th>RC-503</th>
</tr>
</thead>
<tbody>
<tr>
<td>LO</td>
<td>4 SEC.</td>
<td>8 MIN. 56 SEC.</td>
<td>.01</td>
<td>.10</td>
<td>.34</td>
<td>1.00</td>
</tr>
<tr>
<td>2</td>
<td>1.5 MIN.</td>
<td>7.5 MIN.</td>
<td>.18</td>
<td>1.20</td>
<td>3.72</td>
<td>8.88</td>
</tr>
<tr>
<td>3</td>
<td>3 MIN.</td>
<td>6 MIN.</td>
<td>.33</td>
<td>3.60</td>
<td>10.80</td>
<td>24.00</td>
</tr>
<tr>
<td>4</td>
<td>4.5 MIN.</td>
<td>4.5 MIN.</td>
<td>.50</td>
<td>6.00</td>
<td>19.40</td>
<td>40.00</td>
</tr>
<tr>
<td>5</td>
<td>6 MIN.</td>
<td>3 MIN.</td>
<td>.66</td>
<td>8.40</td>
<td>25.20</td>
<td>53.00</td>
</tr>
<tr>
<td>6</td>
<td>7.5 MIN.</td>
<td>1.5 MIN.</td>
<td>.78</td>
<td>11.00</td>
<td>33.40</td>
<td>67.00</td>
</tr>
<tr>
<td>HI</td>
<td>8 MIN. 56 SEC.</td>
<td>4 SEC.</td>
<td>.90</td>
<td>12.00</td>
<td>38.00</td>
<td>77.00</td>
</tr>
</tbody>
</table>

OUNCES PER MINUTE AT FULL ON

ROLA-CHEM PUMPS ARE NSF® cULUS LISTED.
DIGITAL CONTROLLERS

MODEL RC554XP
P/N 554000
Digital pH/ORP Controller

**FEATURES:**
- Digital readouts
- ORP technology
- Redox sensor
- Proportional feed or continuous feed
- Dip switch programmable settings

**INCLUDES:**
- Controller
- Flow cell with flow switch
- Probes
- 3/8” tubing and fittings

**Specifications:**
- **pH**
  - Factory Setting: 7.4
  - Display Range: 6.8–8.2
  - Setpoint Range: 7.0–8.0
  - Feed Cycles: .6 to 900 seconds with 5-minute analyzation periods
- **ORP**
  - 650 mV
  - 0–995 mV
  - 400–900 mV
  - .6 sec.
- **Feed Cycle**

**Power:**
- 120V corded (input/output)

**Maximum Output:**
- 5 Amps

**Model RC554XXP**
P/N 554300
Digital pH/Dual ORP Controller

**USED TO CONTROL TWO SANITIZER SOURCES**

**FEATURES:**
- Digital readouts
- ORP technology
- Redox sensor
- Proportional feed or continuous feed
- Dip switch programmable settings

**INCLUDES:**
- Controller
- Flow cell with flow switch
- Probes
- 3/8” tubing and fittings

**Specifications:**
- **pH**
  - Factory Setting: 7.4
  - Display Range: 6.8–8.2
  - Setpoint Range: 7.0–8.0
  - Feed Cycles: .6 to 900 seconds with 5-minute analyzation periods
- **ORP1**
  - 650 mV
  - 0–995 mV
  - 400–900 mV
  - .6 sec.
- **ORP2**
  - 640 mV
  - 0–995 mV
  - 400–900 mV
  - .6 sec.
- **Feed Cycle**

**Power:**
- 120V corded (input/output)

**Maximum Output:**
- 3.15 Amps

**Digital pH/ORP Controllers Feature:**
- Built-in out-of-range safety timeouts
- pH calibration
- Acid or base feed
- Microprocessor logic
- Globe flow cell with flow switch
- Compatible with most peristaltic pumps
- Can also be used with erosion feeder/solenoid applications
- Manufactured in the USA

**NSF/ANSI 50 Listed**

**ONE-YEAR LIMITED WARRANTY ON CONTROLLER ELECTRONICS AND PROBES**

**Note:** It is recommended that an in-line filter system (part number 550591) be used before the flow cell.
Digital pH Controller

**MODEL RC554P**
P/N 554200

**Digital pH Controller**

**INCLUDES:** Controller, flow cell with flow switch, pH probe, 3/8” tubing and fittings.

- **pH Feed Cycle**
  - Factory Setting:  7.4  
  - Display Range:  6.8-8.2  
  - Setpoint Range:  7.0-8.0  
  - Feed Cycles: .6 to 900 seconds with 5-minute analyzation periods  
  - Power:  120V corded (input/output)  
  - Feed:  Timed or Continuous  
  - Maximum Output:  5 Amps  

- Easy to read, sun bright LED display  
- Compact package (approx. 7” x 3” x 3”)  
- Manufactured in the USA

Digital ORP Controller

**MODEL RC554X**
P/N 554230

**Digital ORP Controller**

**INCLUDES:** Controller, flow cell with flow switch, ORP probe, 3/8” tubing and fittings.

- **ORP Feed Cycle**
  - Factory Setting:  650 mV  
  - Display Range:  0–995 mV  
  - Setpoint Range:  400–900 mV  
  - Feed Cycles: .6 to 900 seconds with 5-minute analyzation periods  
  - Power:  120V corded (input/output)  
  - Feed:  Timed or Continuous  
  - Maximum Output:  5 Amps  

- Easy to read, sun bright LED display  
- Compact package (approx. 7” x 3” x 3”)  
- Manufactured in the USA

**REMOTE MONITOR**

**REMOTE MONITOR ALLOWS REMOTE ACCESS TO CONTROLLER DATA THROUGH A SECURE WEBSITE.**

**554400**

**NEW! Controller Remote Monitor (System)**

- Monitor is compatible with Rola-Chem digital pH/ORP and pH/Dual ORP Controllers (regardless of age or generation)  
- Monitor will upload controller data at specific intervals – set by operator  
- Secure website with operator set password and access  
- Serial connection from monitor to data port of controller - provided. Ethernet connection from monitor to server - not provided  
- LED lights verify connection to server (Green) and activity (Amber)  
- Internal reset button – used to reconnect monitor to server. Power down will automatically reconnect monitor to server

**ONE-YEAR LIMITED WARRANTY ON CONTROLLER ELECTRONICS AND PROBES**

**NOTE:** It is recommended that an in-line filter system (part number 550591) be used before the flow cell.
**ORP Feed Cycle**

- **Factory Setting:** 650 mV, 6 sec.
- **Display Range:** 0–995 mV
- **Setpoint Range:** 400–900 mV
- **Feed Cycles:** .6 to 900 seconds with 5-minute analyzation periods
- **Power:** 120V corded (input/output)
- **Feed:** Timed or Continuous
- **Maximum Output:** 5 Amps
- **Easy to read, sun bright LED display**
- **Compact package (approx. 7” x 3” x 3”)**
- **Manufactured in the USA**

### pH Liquid Acid/ORP Liquid Chlorine System

**554107**

**INCLUDES:** Programmable Digital pH/ORP Controller complete with Flow Cell, Flow Switch, Sample Valves, ORP and pH Probes, 40’ of Black 3/8” Tubing, 100’ Clear 7/16” Tubing and Fittings, two Peristaltic Pumps (38 GPD), In-line Flow Cell Strainer.

Also Available:

- **554118** includes one 38 GPD & one 12 GPD Peristaltic Pump
- **554119** includes two 1 GPD Peristaltic Pumps
- **554120** includes two 12 GPD Peristaltic Pumps
- **554121** includes one 1 GPD & one 12 GPD Peristaltic Pump
- **554130** includes one 77 GPD & one 38 GPD Peristaltic Pump

### Digital pH/Dual ORP System

**554320**

**INCLUDES:** Programmable Digital pH/Dual ORP Controller complete with Flow Cell, Flow Switch, Sample Valves, ORP and pH Probes, 40’ of Black 3/8” Tubing, 100’ Clear 7/16” Tubing and Fittings, two Peristaltic Pumps (38 GPD), In-line Flow Cell Strainer.

**554430** includes two 12 GPD Peristaltic Pumps

---

**NOTE:** Complete systems mounted to a polypropylene board. These systems are designed to control pools up to 100,000 gallons. Larger pools may require larger GPD peristaltic pumps.
READY-TO-MOUNT CONTROLLER SYSTEMS

(All components required for pool automation mounted on a polypropylene board.)

pH/ORP Erosion Feeder System

554222

INCLUDES: Programmable Digital pH/ORP Controller complete with Flow Cell, Flow Switch, Sample Valves, ORP and pH Probes, 40’ of Black 3/8” Tubing, 100’ Clear 7/16” Tubing and Fittings, one Peristaltic Pump (38 GPD), 120 volt Solenoid Kit (includes Solenoid, In-line filter and Check Valve), In-line Flow Cell Strainer. Erosion Feeder NOT included.

554222 includes one 12 GPD Peristaltic Pump

pH/ORP Salt Generator System

554223


• Power output to Salt Generator (not included) is 110 Volt 5 Amp

554223 includes one 12 GPD Peristaltic Pump

pH Only Liquid Acid System

554217

INCLUDES: Programmable Digital pH Controller complete with Flow Cell, Flow Switch, Sample Valves, pH Probe, 40’ of Black 3/8” Tubing, 100’ Clear 7/16” Tubing and Fittings, one Peristaltic Pump (38 GPD), In-line Flow Cell Strainer.

554217 includes one 12 GPD Peristaltic Pump

554234 includes one 12 GPD Peristaltic Pump

ORP Only Liquid Chlorine System

554233

INCLUDES: Programmable Digital ORP Controller complete with Flow Cell, Flow Switch, Sample Valves, ORP Probe, 40’ of Black 3/8” Tubing, 100’ Clear 7/16” Tubing and Fittings, one Peristaltic Pump (38 GPD), In-line Flow Cell Strainer.

554233 includes one 12 GPD Peristaltic Pump

554235 includes one 12 GPD Peristaltic Pump

554229 includes one 120 Volt Solenoid Kit (for erosion system)
LIQUID SYSTEM

* Flow switch to ensure circulation to control probes and indication that pool circulation is occurring (Included in Digital Controller/Globe Flow Cell Only)

** Safety flow switch for protection of heater and to ensure dilution of chemical into pool

EROSION SYSTEM

* Flow switch to ensure circulation to control probes and indication that pool circulation is occurring (Included in Digital Controller/Globe Flow Cell Only)

** Safety flow switch for protection of heater and to ensure dilution of chemical into pool
PROFESSIONAL SYSTEM COMPONENTS

550180
Globe Flow Cell
Made from high-impact acrylic with Flow Switch
• For Digital Controller System

550089
Probe Replacement Fitting
• For Flow Cells

550135
8' pH Heavy-Duty Probe
550136
8' ORP Heavy-Duty Probe
550208
3' pH Heavy-Duty Probe
550209
3' ORP Heavy-Duty Probe
• For Digital & Analog Controller System

7125190
Quick Connect Valve
3/8" Tubing x 1/4" MNPT
• For Flow Cells

550193
Tubing Connectors
3/8" Tubing x 1/4" MNPT

550194
Black Tubing
3/8"

523140
Norprene
523118
Tygon

523114
Norprene Hose
Black
523115
Tytgon Hose

521160
Check Valves
3/8" Hose Barb x 3/8" Hose Barb
521170
3/8" Hose Barb x 1/4" MNPT

527158
527159
520113
Injectors

550201
ORP Gold Tip Probe
• Recommended for use with Chlorine (Salt) Generators

Probe Replacement Fitting
• For Flow Cells

5858 CENTERVILLE ROAD, ST. PAUL, MN 55127-6804
ROLA-CHEM
NO MORE CLOGGED FLOWMETERS!
ROLA-CHEM’S FLOWMETERS HAVE A WIDE CHAMBER THAT GREATLY REDUCES MINERAL DEPOSITS BY ALLOWING HIGHER FLOW VOLUME

Designed to be compatible with practically every existing flowmeter, replace your old clogged flowmeters with these accurate, easily serviced units from Rola-Chem.

Rola-Chem flowmeters are built to withstand water temperatures up to 200°F and are manufactured to work with schedule 40 PVC pipe.

ACCURATE READINGS
• Our heavy-duty gasket ensures airtight seals

VISUAL INDICATOR
• Calibrated on both sides in gallons and liters per minute

FLOWMETER SPECIFICATIONS - MINIMUM DIMENSIONS

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>PIPE MATERIAL</th>
<th>PIPE SIZE</th>
<th>A** MINIMUM</th>
<th>B** MINIMUM</th>
<th>RANGE GPM</th>
<th>RANGE LPM</th>
<th>CLAMP SIZE</th>
<th>MOUNT POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>570321</td>
<td>PVC-GALV</td>
<td>1”</td>
<td>5”</td>
<td>10”</td>
<td>10-30</td>
<td>38-114</td>
<td>40</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570331</td>
<td>PVC-GALV</td>
<td>1.25”</td>
<td>6”</td>
<td>11”</td>
<td>15-50</td>
<td>57-189</td>
<td>44</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570340</td>
<td>COPPER</td>
<td>1.5”</td>
<td>8”</td>
<td>15”</td>
<td>20-55</td>
<td>76-208</td>
<td>44</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570341</td>
<td>PVC-GALV</td>
<td>1.5”</td>
<td>8”</td>
<td>15”</td>
<td>25-60</td>
<td>95-227</td>
<td>44</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570350</td>
<td>COPPER</td>
<td>2”</td>
<td>10”</td>
<td>20”</td>
<td>40-140</td>
<td>151-530</td>
<td>56</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570351</td>
<td>PVC-GALV</td>
<td>2”</td>
<td>10”</td>
<td>20”</td>
<td>40-140</td>
<td>151-530</td>
<td>56</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570360</td>
<td>COPPER</td>
<td>2.5”</td>
<td>13”</td>
<td>25”</td>
<td>70-245</td>
<td>265-927</td>
<td>64</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570361</td>
<td>PVC-GALV</td>
<td>2.5”</td>
<td>13”</td>
<td>25”</td>
<td>70-240</td>
<td>265-908</td>
<td>64</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570370</td>
<td>COPPER</td>
<td>3”</td>
<td>15”</td>
<td>30”</td>
<td>100-280</td>
<td>379-1060</td>
<td>64</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570371</td>
<td>PVC-GALV</td>
<td>3”</td>
<td>15”</td>
<td>30”</td>
<td>100-300</td>
<td>379-1136</td>
<td>64</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570380</td>
<td>COPPER</td>
<td>4”</td>
<td>20”</td>
<td>40”</td>
<td>200-480</td>
<td>757-1816</td>
<td>44 (2)</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570381</td>
<td>PVC-GALV</td>
<td>4”</td>
<td>20”</td>
<td>40”</td>
<td>175-500</td>
<td>662-1893</td>
<td>44 (2)</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570391</td>
<td>PVC-GALV</td>
<td>6”</td>
<td>30”</td>
<td>60”</td>
<td>400-1050</td>
<td>1514-3975</td>
<td>64 (2)</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570401</td>
<td>PVC-GALV</td>
<td>8”</td>
<td>40”</td>
<td>80”</td>
<td>700-1900</td>
<td>2650-7192</td>
<td>72 (2)</td>
<td>S, T, &amp; V</td>
</tr>
</tbody>
</table>

*A = Minimum distance from downstream elbow or restriction.  **B = Minimum distance from upstream elbow or restriction.

After Part Number, Indicate Mounting:  (T) = Top • (S) = Side • (V) = Vertical
CHEMICAL TANKS

Rola-Chem offers a range of heavy-duty tanks and covers available in 5, 15, 30, and 55 gallon sizes. Precision-molded of high-density polyethylene polymer, which is highly resistant to corrosive solutions. For your convenience, tanks and lids are sold separately.

FEATURES:
- Heavy-Duty Construction - formed from high-density polyethylene
- Translucent - allows visual check of chemical level
- UV Protected - solar rays will not damage chemicals

SYSTEM TANK

FEATURES:
- Convenient mounting of your Rola-Chem Pump on tank
- Includes chemical re-fill and pick-up holes
- Heavy-Duty Construction - formed from high-density polyethylene
- Translucent - allows visual check of chemical level
- UV Protected - solar rays will not damage chemicals

543724 RC-103 SC Rola-Chem Pro Series Pump
38 GPD mounted on a 15-Gallon Poly Tank

543725 RC-25/53 SC Rola-Chem Pro Series Pump
12 GPD mounted on a 15-Gallon Poly Tank

CHEMICAL TANKS - SPECIFICATIONS

<table>
<thead>
<tr>
<th>PART</th>
<th>PRODUCT DESCRIPTION</th>
<th>CAPACITY</th>
<th>HT.</th>
<th>DIA.</th>
<th>WT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>561004</td>
<td>Poly Tank</td>
<td>5 GAL</td>
<td>14&quot;</td>
<td>11&quot;</td>
<td>6#</td>
</tr>
<tr>
<td>561105</td>
<td>Poly Cover w/Cap Plug</td>
<td>5 GAL</td>
<td></td>
<td></td>
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<tr>
<td>561015</td>
<td>Poly Tank</td>
<td>15 GAL</td>
<td>21.5&quot;</td>
<td>15&quot;</td>
<td>15#</td>
</tr>
<tr>
<td>561115</td>
<td>Poly Cover w/Cap Plug</td>
<td>15 GAL</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>561030</td>
<td>Poly Tank</td>
<td>30 GAL</td>
<td>28.5&quot;</td>
<td>18&quot;</td>
<td>17#</td>
</tr>
<tr>
<td>561130</td>
<td>Poly Cover w/Cap Plug</td>
<td>30 GAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>561055</td>
<td>Poly Tank</td>
<td>55 GAL</td>
<td>34&quot;</td>
<td>22.5&quot;</td>
<td>22#</td>
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<tr>
<td>561155</td>
<td>Poly Cover w/Cap Plug</td>
<td>55 GAL</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>561265</td>
<td>System Tank*</td>
<td>15 GAL</td>
<td>36.75&quot;</td>
<td>15&quot;</td>
<td>12#</td>
</tr>
</tbody>
</table>

*15 GAL. ONLY
(Pump not included.)