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>1.0 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>.30 GPD</td>
<td>32 GPD</td>
<td>500 – 150,000 GALLONS</td>
</tr>
<tr>
<td>RC-503 SC</td>
<td>.80 GPD</td>
<td>72 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>0.01</td>
<td>0.10</td>
<td>0.30</td>
<td>0.80</td>
</tr>
<tr>
<td>2</td>
<td>1.5 MIN.</td>
<td>7.5 MIN.</td>
<td>0.10</td>
<td>1.20</td>
<td>3.20</td>
<td>7.20</td>
</tr>
<tr>
<td>3</td>
<td>3 MIN.</td>
<td>6 MIN.</td>
<td>0.30</td>
<td>3.60</td>
<td>9.60</td>
<td>22.00</td>
</tr>
<tr>
<td>4</td>
<td>4.5 MIN.</td>
<td>4.5 MIN.</td>
<td>0.50</td>
<td>6.00</td>
<td>16.00</td>
<td>36.00</td>
</tr>
<tr>
<td>5</td>
<td>6 MIN.</td>
<td>3 MIN.</td>
<td>0.70</td>
<td>8.40</td>
<td>22.00</td>
<td>50.00</td>
</tr>
<tr>
<td>6</td>
<td>7.5 MIN.</td>
<td>1.5 MIN.</td>
<td>0.90</td>
<td>11.00</td>
<td>29.00</td>
<td>65.00</td>
</tr>
<tr>
<td>HI</td>
<td>8 MIN. 56 SEC.</td>
<td>4 SEC.</td>
<td>1.00</td>
<td>12.00</td>
<td>32.00</td>
<td>72.00</td>
</tr>
<tr>
<td>OUNCES PER MINUTE AT FULL ON</td>
<td>0.08</td>
<td>1.06</td>
<td>2.84</td>
<td>6.40</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ROLA-CHEM PUMPS ARE NSF AND UL LISTED.
GENERATION II DIGITAL CONTROLLERS

554000
Digital pH/ORP Controller

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

- **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
  - Power: 120V corded (input/output)
  - Maximum Output: 5 Amps

- **ORP**
  - 650 mV
  - 0–995 mV
  - 400–900 mV

- **Feed Cycle**
  - .6 sec.

554300
NEW! Digital pH/Dual ORP Controller

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

- **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
  - Power: 120V corded (input/output)
  - Maximum Output: 5 Amps

- **ORP1**
  - 650 mV
  - 0–995 mV

- **ORP2**
  - 640 mV
  - 0–995 mV

- **Feed Cycle**
  - .6 sec.

**DIGITAL pH/ORP CONTROLLERS FEATURE:**
- Digital readouts
- ORP technology
- Redox sensor
- Proportional feed or continuous feed
- Dip switch programmable settings
- Lockout security 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

**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.
554200
Digital pH Controller
INCLUDES: Controller, flow cell with flow switch, pH probe, 3/8" tubing and fittings.

- 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

554230
Digital ORP Controller
INCLUDES: Controller, flow cell with flow switch, ORP probe, 3/8" tubing and fittings.

- 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

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.
READY-TO-MOUNT WALL SYSTEMS
(All components required for pool automation mounted on a polypropylene board.)

NEW! Digital pH/Dual ORP System
554320

pH Liquid Acid/ORP Liquid Chlorine System
554107
Also Available:
554118 includes one 32 GPD &
one 12 GPD Peristaltic Pump
554119 includes two 1 GPD Peristaltic Pumps
554120 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. It is recommended that an in-line filter system (part number 550591) be used before the flow cell.
**READY-TO-MOUNT WALL 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 (32 GPD), 120 volt Solenoid Kit (includes Solenoid, In-line filter and Check Valve).

*Erosion Feeder NOT included.*

---

**PH/ORP Salt Generator System**

554223

**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 (32 GPD).

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

---

**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 (32 GPD).

---

**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 (32 GPD).
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
pH Heavy-Duty Probe
• For Digital & Analog Controller System

550136
ORP Heavy-Duty Probe
• For Flow Cells

6389490
Replacement Valves
• 3/8"

In-line Filter Kit for Controller Flow Cell
550591 Digital Controller System - 3/8" Quick-Connect Ends

550193
3/8" Tubing Connectors
550194 3/8" Hose Barb x 3/8" Hose Barb
521610 3/8" Hose Barb x 1/4" MNPT
520113 3/8" Hose Barb x 1/4" MNPT

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

550194
Black Tubing
• 3/8"

120 Volt Solenoid
550290 120 Volt Solenoid Kit

In-line Filter
Check Valve

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

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

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

5858 CENTERVILLE ROAD, ST. PAUL, MN 55127-6804
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&quot;</td>
<td>5&quot;</td>
<td>10&quot;</td>
<td>10-30</td>
<td>38-114</td>
<td>44</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570331</td>
<td>PVC-GALV</td>
<td>1.25&quot;</td>
<td>6&quot;</td>
<td>11&quot;</td>
<td>15-50</td>
<td>57-189</td>
<td>44</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570340</td>
<td>COPPER</td>
<td>1.5&quot;</td>
<td>8&quot;</td>
<td>15&quot;</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&quot;</td>
<td>8&quot;</td>
<td>15&quot;</td>
<td>25-60</td>
<td>76-208</td>
<td>44</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570350</td>
<td>COPPER</td>
<td>2&quot;</td>
<td>10&quot;</td>
<td>20&quot;</td>
<td>30-140</td>
<td>114-530</td>
<td>56</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570351</td>
<td>PVC-GALV</td>
<td>2&quot;</td>
<td>10&quot;</td>
<td>20&quot;</td>
<td>30-150</td>
<td>114-568</td>
<td>56</td>
<td>S, T, &amp; V</td>
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<tr>
<td>570360</td>
<td>COPPER</td>
<td>2.5&quot;</td>
<td>13&quot;</td>
<td>25&quot;</td>
<td>70-245</td>
<td>227-927</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&quot;</td>
<td>13&quot;</td>
<td>25&quot;</td>
<td>60-240</td>
<td>227-908</td>
<td>64</td>
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<tr>
<td>570370</td>
<td>COPPER</td>
<td>3&quot;</td>
<td>15&quot;</td>
<td>30&quot;</td>
<td>80-280</td>
<td>303-1060</td>
<td>64</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570371</td>
<td>PVC-GALV</td>
<td>3&quot;</td>
<td>15&quot;</td>
<td>30&quot;</td>
<td>80-300</td>
<td>303-1136</td>
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<tr>
<td>570380</td>
<td>COPPER</td>
<td>4&quot;</td>
<td>20&quot;</td>
<td>40&quot;</td>
<td>120-480</td>
<td>454-1818</td>
<td>44 (2)</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570381</td>
<td>PVC-GALV</td>
<td>4&quot;</td>
<td>20&quot;</td>
<td>40&quot;</td>
<td>125-500</td>
<td>473-1893</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&quot;</td>
<td>30&quot;</td>
<td>60&quot;</td>
<td>250-1050</td>
<td>946-3975</td>
<td>64 (2)</td>
<td>S, T, &amp; V</td>
</tr>
<tr>
<td>570401</td>
<td>PVC-GALV</td>
<td>8&quot;</td>
<td>40&quot;</td>
<td>80&quot;</td>
<td>500-1900</td>
<td>1893-7192</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.

**SERVICEABLE**
- Easily open and remove calcium deposits if necessary

**FULL RANGE MOUNTING**
- Side 1” to 8”, vertical 1” to 8” or top 1” to 8”; vertical mount is available in up or down reading, please specify when ordering
- Requires 3/4” diameter hole in pipe

**EASY-TO-READ BOBBIN**
- 316 stainless steel ball prevents corrosion

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

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>
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<tbody>
<tr>
<td>561004</td>
<td>Poly Tank</td>
<td>5 GAL</td>
<td>14&quot;</td>
<td>15&quot;</td>
<td>6#</td>
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<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>
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<tr>
<td>561115</td>
<td>Poly Cover w/Cap Plug</td>
<td>15 GAL</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>561030</td>
<td>Poly Tank</td>
<td>30 GAL</td>
<td>28.5&quot;</td>
<td>20&quot;</td>
<td>17#</td>
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<tr>
<td>561130</td>
<td>Poly Cover w/Cap Plug</td>
<td>30 GAL</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>561005</td>
<td>Poly Tank</td>
<td>55 GAL</td>
<td>34&quot;</td>
<td>22.5&quot;</td>
<td>22#</td>
</tr>
<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.)

543724 RC-103 SC Rola-Chem Pro Series Pump
32 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