MAINTENANCE MADE EASY

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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 SIZING GUIDE
ESTIMATED MAXIMUM GALLONS PER DAY

<table>
<thead>
<tr>
<th>SETTINGS</th>
<th>ON (MIN)</th>
<th>OFF (MIN)</th>
<th>RC-252</th>
<th>RC-25/53</th>
<th>RC-103</th>
<th>RC-503</th>
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<tbody>
<tr>
<td>LO</td>
<td>.01</td>
<td>.10</td>
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<td>HI</td>
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<td>OUNCES PER MINUTE AT FULL ON</td>
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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 VOLUME OF SPA WATER TO BE TREATED (GALLONS)*</th>
<th>RECOMMENDED VOLUME OF POOL WATER TO BE TREATED (GALLONS)*</th>
<th>MAXIMUM VOLUME OF WATER TO BE TREATED (GALLONS) - PER CALIFORNIA BUILDING CODE TITLE 24</th>
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<tr>
<td>RC-252 SC</td>
<td>.01 GPD</td>
<td>.9 GPD</td>
<td>500-2,500</td>
<td>2,500-5,000</td>
<td>3,000</td>
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<tr>
<td>RC-25/53 SC</td>
<td>.10 GPD</td>
<td>12 GPD</td>
<td>2,500-25,000</td>
<td>5,000-65,000</td>
<td>40,000</td>
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<tr>
<td>RC-103 SC</td>
<td>.34 GPD</td>
<td>38 GPD</td>
<td>65,000-200,000</td>
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<tr>
<td>RC-503 SC</td>
<td>1.0 GPD</td>
<td>77 GPD</td>
<td>200,000-400,000</td>
<td>257,000</td>
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</table>

GPD = GALLONS PER DAY  *USING 12.5% LIQUID CHLORINE
DIGITAL CONTROLLERS

MODEL RC554XP
P/N 554000
Digital pH/ORP Controller

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

- Factory Setting: 7.4 650 mV .6 sec.
- Display Range: 6.8–8.2 0–995 mV
- Setpoint Range: 7.0–8.0 400–900 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

MODEL RC554XXP
P/N 554300
Digital pH/Dual ORP Controller

USED TO CONTROL TWO SANITIZER SOURCES

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

- Factory Setting: 7.4 650 mV 640 mV .6 sec.
- Display Range: 6.8–8.2 0–995 mV 0–995 mV
- Setpoint Range: 7.0–8.0 400–900 mV 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: 3.15 Amps

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.

MET controllers are also available.
MODEL RC554P  
P/N 554200  
Digital pH Controller  
INCLUDES: Controller, flow cell with flow switch, pH probe, 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)  
  - 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  

MODEL RC554X  
P/N 554230  
Digital ORP Controller  
INCLUDES: Controller, flow cell with flow switch, ORP probe, 3/8” tubing and fittings.  
- **ORP**  
  - 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  

MODEL RC554M  
P/N 554400  
Controller Remote Monitor  
- Monitor is compatible with Rola-Chem Generation II Digital pH/ORP Controllers: RC554XP (manufactured after October 2015) and RC554XXP (manufactured after May 2016)  
- Monitor will upload controller data at specific intervals – set by operator  
- Secure website with operator set password  
- Serial connection cable from monitor to data port of contoller is included  
- A hardwired ethernet connection with unrestricted internet access must be provided  
- LED lights verify connection to local network (Green) and activity (Amber)  
- Internal reset button – used to reconnect monitor to server  
- Power down will automatically reconnect monitor to server  
- Includes 12-month subscription  

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

pH Liquid Acid/ORP Liquid Chlorine System

554107

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
554140 includes one 77 GPD & one 38 GPD Peristaltic Pump

Control Two Sanitizer Sources with Digital pH/Dual ORP System

554320

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.

554122 includes **one** 12 GPD Peristaltic Pump

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 (38 GPD), In-line Flow Cell Strainer.

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

554123 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.

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.

554235 includes **one** 12 GPD Peristaltic Pump

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

- **CHLORINE PUMP**
- **ACID PUMP**
- **DIGITAL CONTROLLER**
- **ELECTRICAL OUTLET**

**GLOBE FLOW CELL WITH FLOW SWITCH FOR DIGITAL CONTROLLER**

* 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**

- **DIGITAL CONTROLLER**
- **MIXER**
- **HEATER**

**120V SOLENOID VALVE**

* 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
550208
3’ pH Heavy-Duty Probe
• For Digital & Analog Controller System

550136
8’ ORP Heavy-Duty Probe
550209
3’ ORP Heavy-Duty Probe

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”

523400
Tri-Roller

523114
Norprene Hose
Black

523115
Tygon Hose

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

520113
Injectors

523104
Check Valves
3/8” Hose Barb x 3/8” Hose Barb
3/8” Hose Barb x 1/4” MNPT

523140
Norprene
523118
Tygon

527158
527159

Visit Rola-chem.com for more system accessories.
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>
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<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>
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<td>570331</td>
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<td>6&quot;</td>
<td>11&quot;</td>
<td>15-50</td>
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<td>S, T, &amp; V</td>
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<td>570340</td>
<td>COPPER</td>
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<td>8&quot;</td>
<td>15&quot;</td>
<td>20-55</td>
<td>76-208</td>
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<td>PVC-GALV</td>
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<td>8&quot;</td>
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<td>10&quot;</td>
<td>20&quot;</td>
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<td>30&quot;</td>
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<td>20&quot;</td>
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<td>80&quot;</td>
<td>700-1900</td>
<td>2650-7192</td>
<td>72</td>
<td>S, T, &amp; V</td>
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*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>
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<td>561004</td>
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<td>5 GAL</td>
<td>14&quot;</td>
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<td>561105</td>
<td>Poly Cover w/Cap Plug</td>
<td>5 GAL</td>
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<td>561015</td>
<td>Poly Tank</td>
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<td>21.5&quot;</td>
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<tr>
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<td>System Tank*</td>
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<td>36.75&quot;</td>
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*15 GAL. ONLY (Pump not included.)