MAINTENANCE MADE EASY



Superior Products & Support for the Swimming Pool & Spa Service Professional

ROLA-CHEM®

A DIVISION OF THE SPECIALTY MFG. CO.

Rola-Chem.com | 800-549-4473



ROLA-CHEM IS MAINTENANCE MADE EASY

Our goal is to make maintenance easier for pool and spa service professionals. We are your trusted source for reliable equipment that will save you time and money and allow your customers to spend more time enjoying their investment.

Pool Professionals Tell Us That Maintenance is Made Easier...

- When system equipment is intuitive and works
- When system components needed can be sourced from one company, ordered with a single part number and trained professionals are available via call or online chat
- When complete systems can be easily installed and set up right from the box
- When set up can be achieved without manuals
- When little technical expertise is needed
- When troubleshooting and support videos are hosted on YouTube
- When all you need is the electrical, tanks, and space to hang a fully integrated, Ready-to-Mount System—no complicated instructions
- When your customer can spend 60% less time monitoring and managing pool and spa water quality than with other methods





A LEGACY OF INNOVATION

For over fifty years Rola-Chem has relied on the expertise and best practices of certified pool service professionals to achieve the perfect pool. From large pool service companies to small owner-operated businesses, the Rola-Chem brand has remained true to its roots and remains focused solely on pool water quality systems in both commercial and residential installations. At the core of our success is the reliable Rola-Chem peristaltic pump. While the basic function of our pump/controller systems remains the same (programmed chemical dosing and monitoring), our products have evolved as technology has advanced. Our ability to provide consistent improvements to our systems would not be possible without feedback from you, the Pool Service Pro.

WARNING: This product can expose you to chemicals which are known to the state of California to cause cancer and/or reproductive harm. For more information go to www.P65Warnings.ca.gov

For detailed compliance information on specific products, please contact compliance@specialtymfg.com

WHAT'S NEW?

This catalog presents several new ways that Maintenance is Made Easy by Rola-Chem:

- The PRO Series 300 Feeder
- The 555XXP Generation II Digital FAC pH/ Dual ORP/FAC (ppm) controller
- 8 Ready-to-Mount Systems
- Links to Installation and How-to videos

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PERISTALTIC PUMPS

THE PRO SERIES 300 PERISTALTIC PUMPS

The PRO Series 300 Peristaltic Pumps maintain the best of the Rola-Chem Pro Series legacy while improving primary function and simplifying set up. All Rola-Chem controllers are NSF ANSI certified.

MODEL SHOWN: RC305MC P/N 543818 UPC 7-57706 00038-3 Three-Roller Operation



ESTIMATED FEED RATES

AT GIVEN TIMER SETTINGS – GALLONS PER DAY

AT GIVEN TIMER SETTINGS – GALLONS PER DAY						
SETTING %	ON TIME	OFF TIME	RC301	RC303	RC305	RC307
1	5.4 SEC	8.9 MIN	-	0.12	0.38	0.77
2	10.8 SEC	8.8 MIN	0.02	0.24	0.76	1.54
3	16.2 SEC	8.7 MIN	0.03	0.36	1.14	2.31
4	21.6 SEC	8.6 MIN	0.04	0.48	1.52	3.08
5	27.0 SEC	8.6 MIN	0.05	0.60	1.90	3.85
6	32.4 SEC	8.5 MIN	0.05	0.72	2.28	4.62
7	37.8 SEC	8.4 MIN	0.06	0.84	2.66	5.39
8	43.2 SEC	8.3 MIN	0.07	0.96	3.04	6.16
9	48.6 SEC	8.2 MIN	0.08	1.08	3.42	6.93
10	54.0 SEC	8.1 MIN	0.09	1.20	3.80	7.70
15	1.4 MIN	7.7 MIN	0.14	1.80	5.70	11.55
20	1.8 MIN	7.2 MIN	0.18	2.40	7.60	15.40
25	2.3 MIN	6.8 MIN	0.23	3.00	9.50	19.25
30	2.7 MIN	6.3 MIN	0.27	3.60	11.40	23.10
35	3.2 MIN	5.9 MIN	0.32	4.20	13.30	26.95
40	3.6 MIN	5.4 MIN	0.36	4.80	15.20	30.80
45	4.1 MIN	5.0 MIN	0.41	5.40	17.10	34.65
50	4.5 MIN	4.5 MIN	0.45	6.00	19.00	38.50
55	5.0 MIN	4.1 MIN	0.50	6.60	20.90	42.35
60	5.4 MIN	3.6 MIN	0.54	7.20	22.80	46.20
65	5.9 MIN	3.2 MIN	0.59	7.80	24.70	50.05
70	6.3 MIN	2.7 MIN	0.63	8.40	26.60	53.90
75	6.8 MIN	2.3 MIN	0.68	9.00	28.50	57.75
80	7.2 MIN	1.8 MIN	0.72	9.60	30.40	61.60
85	7.7 MIN	1.4 MIN	0.77	10.20	32.30	65.45
90	8.1 MIN	54.0 SEC	0.81	10.80	34.20	69.30
95	8.6 MIN	27.0 SEC	0.86	11.40	36.10	73.15
99	8.9 MIN	5.4 SEC	0.89	11.88	37.62	76.23
On	CONTINUOUS		0.90	12.00	38.00	77.0

THE PRO SERIES 300 PERISTALTIC PUMPS FEATURE:

- · New commercial design
- · Fully digital timer
- Refined dosing increments for more precise control
- New, more versatile mounting options
- Other features include: quick-release cover for fast tubing access, threeway switch controls timer/off/continuous, self-priming pump and clear Tygon and Black Norprene Squeeze Tubes
- The Pro Series 300 retains a 30psi rating and versatile 18-ft. suction lift.
- Pumps operate on 9-minute cycles and are available in 120V or 240V corded or permanent wire configurations with maximum amps— 2.5

SEE ROLA-CHEM.COM FOR THE COMPLETE LIST OF PRO SERIES 300 MODELS

ROLA-CHEM PRO SERIES OUTPUT - TIMER MODE

PRO SERIES 300 MODEL	LEGACY SERIES MODEL	MINIMUM FEED RATE/24 HR	MAXIMUM FEED RATE/24 HR	RECOMMENDED VOLUME OF SPA WATER TO BE TREATED (GALLONS)*	RECOMMENDED VOLUME OF POOL WATER TO BE TREATED (GALLONS)*	MAXIMUM VOLUME OF WATER TO BE TREATED (GALLONS)* - Per California Building Code Title 24
RC-301	RC-252 SC	.01 GPD	.9 GPD	500-2,500	2,500-5,000	3,000
RC-303	RC-25/53 SC	.10 GPD	12 GPD	2,500-25,000	5,000-65,000	40,000
RC-305	RC-103 SC	.34 GPD	38 GPD		65,000-200,000	127,000
RC-307	RC-503 SC	1.0 GPD	77 GPD		180,000-400,000	257,000

GPD = Gallons Per Day *Using 12.5% Liquid Chlorine

OUTPUT FOR DIGITAL CONTROLLER APPLICATIONS

PRO SERIES 300 MODEL	ROLA-CHEM PRO SERIES OUTPUT	RECOMMENDED VOLUME SPA	RECOMMENDED VOLUME POOL
RC-301	.08 Ounces Per Minute	Not Recommended	Not Recommended
RC-303	1.06 Ounces Per Minute	500 to 2,000 Gallons	Up to 30,000 Gallons
RC-305	3.37 Ounces Per Minute	2,000 - 5,000 Gallons	Up to 80,000 Gallons
RC-307	6.84 Ounces Per Minute	5,000 to 12,000 Gallons	80,000 Plus Gallons

MODEL 555XXP GENERATION II DIGITAL FAC pH/Dual ORP/FAC (ppm) CONTROLLER

555XXP Microprocessor-based chemical automation system—which continuously monitors the pH and sanitizer level in a pool or spa. Dual ORP to control two sanitizers.



MODEL SHOWN: RC555XXP Digital pH/Dual ORP/FAC (ppm) Controller

Used to Control Two Sanitizer Sources P/N 555000 UPC 7-5770 600310-0

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

	рН	ORP1	ORP2	FEED CYCLE		
Factory Setting	7.4	650 mV	640 mV	10 Seconds		
Display Range	6.8 – 8.4	0 – 995 mV	0 – 995 mV			
Setpoint Range	7.0 – 8.0	400 – 900 mV	400 – 900 mV			
Feed Cycles	.6 to 900 sed	w/5-minute	analyzation p	eriods		
Power	120V corded (input/output)					
Feed	Timed or Continuous					
Maximum Amps	3.15 Amps					

555XXP Features:

- · Display and record Free Available Chlorine (ppm)
- Free web-based monitoring—logs and displays ORP/FAC (ppm). Ethernet Connection Included
- · Digital readouts—pH/Dual ORP/FAC (ppm)
- · Timed or continuous feed setting
- · Acid or base feed
- · Dip switch programmable settings
- · Built-in out-of-range safety timeouts

MODEL 555XXP READY-TO-MOUNT SYSTEMS

ALL COMPONENTS REQUIRED FOR POOL AUTOMATION MOUNTED ON A POLYPROPYLENE BOARD

MODEL SHOWN: 555007

Control Two Sanitizer Sources with Digital pH/Dual ORP System

UPC 7-57706 00311-7



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.

Also Available:

555008 UPC 7-5770600312-4 Includes one **12 GPD** Peristaltic Pump and one **38 GPD** Peristaltic Pump

555010 UPC 7-5770600314-8 Includes two **12 GPD** Peristaltic Pumps

555012 UPC 7-5770600316-2

Includes one **12 GPD** Peristaltic Pump and one **Solenoid Kit**

555013 UPC 7-5770600317-9

Includes one **12 GPD** Peristaltic Pump (Gold Tip ORP Probe)

555014 UPC 7-5770600318-6

Includes two **77 GPD** Peristaltic Pumps

555015 UPC 7-5770600319-3

Includes one **38 GPD** Peristaltic Pump and one **Solenoid Kit**

555016 UPC 7-5770600320-9

Includes one **38 GPD** Peristaltic Pump (Gold Tip ORP Probe)

555017 UPC 7-5770600321-6

Includes one **38 GPD** Peristaltic Pump and one **77 GPD** Peristaltic Pump

555030 UPC 7-57706003407 Includes two **120v Solenoid Kits** with Check Valve



MODEL 554XP GENERATION II DIGITAL CONTROLLERS



MODEL SHOWN: RC554XP Digital pH/ORP Controller P/N 554000 UPC 7-57706 00136-6

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

	рН	ORP	FEED CYCLE		
Factory Setting	7.4	650 mV	.6 Seconds		
Display Range	6.8 - 8.2	0 – 995 mV			
Setpoint Range	7.0 - 8.0	400 – 900 mV			
Feed Cycles	.6 to 900 sec w/5-minute analyzation periods				
Power	120V corded (input/output)				
Feed	Timed or Continuous				
Maximum Output	5 Amps				

Digital pH/ORP Controllers Feature:

- · Digital readouts
- · ORP technology
- · Redox sensor
- · Dip switch programmable settings
- · Timed or continuous feed settings
- · 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

MODEL 554XP READY-TO-MOUNT SYSTEMS

ALL COMPONENTS REQUIRED FOR POOL AUTOMATION MOUNTED ON A POLYPROPYLENE BOARD

MODEL SHOWN: 554500

pH Liquid Acid/ORP Liquid Chlorine System

UPC 7-57706 00116-8



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 Pro Series 300Peristaltic Pumps (38 GPD), In-line Flow Cell Strainer.

Also Available:

554501 UPC 7-57706 00117-5Includes one Includes one 38 GPD & one 12 GPD Peristaltic Pump

554503 UPC 7-57706 00119-9 Includes two **12 GPD** Peristaltic Pumps

554508 UPC 7-57706 00123-6 Includes two **77 GPD** Peristaltic Pumps **554512** UPC 7 57706 00126-7

Includes one **77 GPD** & one **38 GPD**Peristaltic Pump

554507 UPC 7-57706003391

Includes two **120v Solenoid Kits** with Check Valve

DIGITAL FAC CONTROLLERS

MODEL 554XP READY-TO-MOUNT CONTROLLER SYSTEMS

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

MODEL SHOWN: 554510 UPC 7-57706 00124-3 pH/ORP Erosion Feeder System

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.

Also Available:

554505 UPC 7-57706 00121-2 Includes one **12 GPD** Peristaltic Pump and one Solenoid Kit



MODEL 554511

UPC 7-57706 00125-0

pH/ORP Salt Generator System

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

Also Available:

554506 UPC 7-57706 00122-9I

Includes one 12 GPD Peristaltic Pump

Rola-Chem Solenoid Kit 550300 is rated for 3–230 psi and has a valve coefficient of (Cv) 4.9.



550300 ½" UPC 7-5770600305-6 Solenoid Kit



INTERLOCK PRESSURE SWITCH

Maximize Protection From Chemical Exposure

- Works to prevent harmful chemicals from being pumped into the circulation line
- Acts as a secondary control system to shut power off to the controller should there be a malfunction, bringing its operations to a halt
- Compatible with any automated chemical controller system



- Adjustable minimum pressure requirement (1.0-6.0 PSI)
- · Simple installation process– plugs into any GFCI outlet
- · Factory pre-set at 3 PSI
- · All components are UL listed



MODEL SHOWN: ITEM #550311

	RANGE	MAX
Pressure Port	1 -6 PSI	Χ
Output	125 VAC	10 AMP
Input	125 VAC	Χ

INCLUDES: Switch, box, tubing and fittings—compact and ready for installation; designated input / output plugs; descriptive label with user-friendly guidance.



MODEL RC554M Controller Remote Monitor

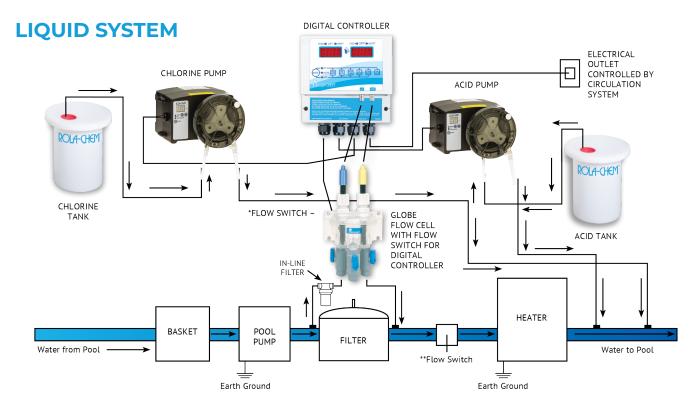
P/N 554400 UPC 7-57706 00147-2

- 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 that are set by operator

- Secure website with operator set password
- · Serial connection cable from monitor to data port of controller is included
- A hardwired ethernet connection with unrestricted internet access must be available
- · 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
- · No subscription required

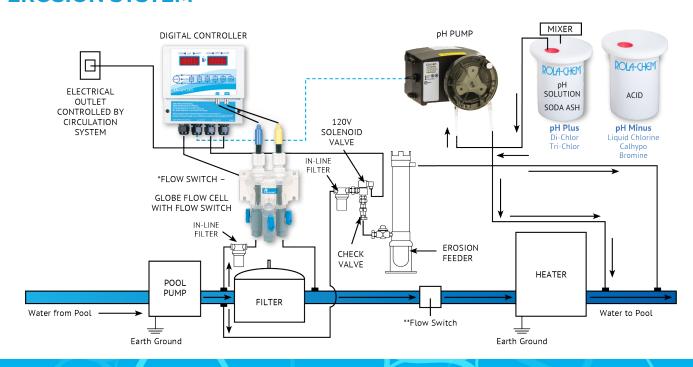
5-YEAR LIMITED WARRANTY ON CONTROLLER ELECTRONICS. 1-YEAR LIMITED WARRANTY ON PROBES, FLOW CELL AND VALVE. NOTE: It is recommended that an in-line filter system (part number 550591) be used before the flow cell.

CONTROL SYSTEMS DIAGRAMS

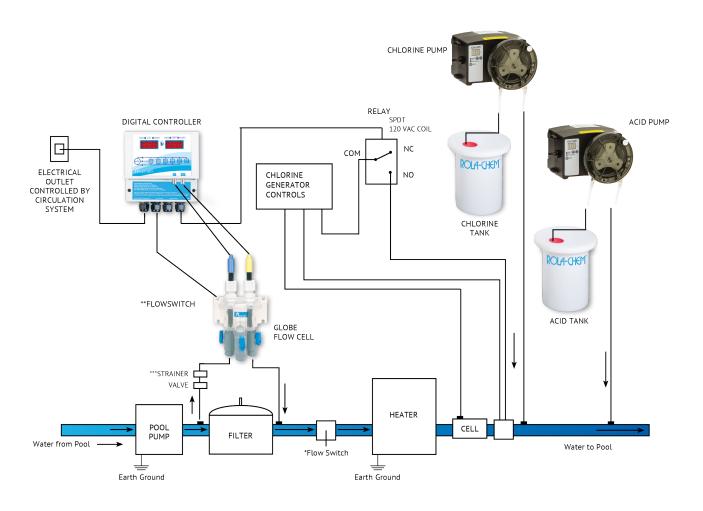


- * Flow switch to ensure circulation to control probes and indication that pool circulation is occurring (included in Digital Controller/Globe Flow Cell Only).
- **Safety Flowswitch for protection of heater and to ensure dilution of chemical into the pool.

EROSION SYSTEM



CHLORINE GENERATOR



^{*}Safety Flowswitch for protection of heater and to ensure dilution of chemical into the pool.

^{**} Safety - Flowswitch to ensure circulation to control probes and indicator that pool circulation is occurring.

^{****}Strainer and valve to help keep manifold and probes clear of debris.

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.

Chemical Tanks Feature:

- · Heavy Duty Construction–formed from high-density polyethylene
- · Translucent allows visual check of chemical level
- · UV Protected solar rays will not damage chemicals
- · Factory pre-set at 3 PSI
- · All components are UL listed

PART NO.	PRODUCT DESCRIPTION	CAPACITY	HT.	DIA.	WT.
561405	Tank/Cover/Plug	5 GAL	15.5"	15"	6#
561415	Tank/Cover/Plug	15 GAL	23"	17"	15#
561430	Tank/Cover/Plug	30 GAL	30"	20"	17#
561455	Tank/Cover/Plug	55 GAL	38"	27"	22#
561265	System Tank*	15 GAL	36.75"	15"	12#

SYSTEM TANK

System Tanks Feature:

Convenient mounting of your Rola-Chem Pump on tank

- · Includes chemical refill 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

543853 UPC 7-57706 00281-3 RC305MC Rola-Chem Pro Series 300 Pump 120 volt 38 GPD mounted on a 15-Gallon Poly Tank

543854 UPC 7-57706 00282-0 RC303MC Rola-Chem Pro Series 300 Pump 120 volt 12 GPD mounted on a 15-Gallon Poly Tank

543857 UPC 7-57706 00324-07 RC303MP Rola-Chem Pro Series 300 Pump 240 volt 12 GPD mounted on a 15-Gallon Poly Tank





*15 GAL. Only (Pump not included)



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.

SERVICEABLE

• Easily open and remove calcium deposits if necessary.

FULL RANGE MOUNTING

- Side, vertical, or top 1" to 8"; please specify when ordering.
 Vertical mount is reversible for up or down reading.
- Requires 3/4" diameter hole in pipe.

EASY-TO-READ BOBBIN

• 3 16 stainless steel ball prevents corrosion

Easy-to-Use Vertical Mount Gaskets for Nine PVC Pipe Sizes



FLOW METER SIZING GUIDE

MODEL NO.	PIPE MATERIAL	PIPE SIZE	A* MINIMUM	B** MINIMUM	RANGE GPM	RANGE LMP	CLAMP SIZE	*
570321	PVC-GALV	1"	5"	10"	30-Oct	38-114	40	c
570331	PVC-GALV	1.25"	6"	11"	15-50	57-189	44	е
570340	COPPER	1.5"	8"	15"	20-55	76-208	44	r
570341	PVC-GALV	1.5"	8"	15"	25-60	95-227	44	*
570350	COPPER	2"	10"	20"	40-140	151-530	56	C
570351	PVC-GALV	2"	10"	20"	40-140	151-530	56	C
570360	COPPER	2.5"	13"	25"	70-245	265-927	64	
570361	PVC-GALV	2.5"	13"	25"	70-240	265-908	64	/ N
570370	COPPER	3"	15"	30"	100-280	379-1060	64	١
570371	PVC-GALV	3"	15"	30"	100-300	379-1136	64	(
570380	COPPER	4"	20"	40"	200-480	757-1816	44 (2)	(
570381	PVC-GALV	4"	20"	40"	175-500	662-1893	44 (2)	
570391	PVC-GALV	6"	30"	60"	400-1050	1514-3975	64 (2)	
570401	PVC-GALV	8"	40"	80"	700-1900	2650-7192	72 (2)	

*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) = Side v) = Vertical

PROFESSIONAL SYSTEM COMPONENTS

PROFESSIONAL SYSTEM COMPONENTS











PROFESSIONAL SYSTEM COMPONENTS

PROFESSIONAL SYSTEM COMPONENTS















ROLA-CHEM CONTROLLERS MOBILE APP

For Efficient Installation

Head to the App Store to download our FREE app for easy access to resources that can assist with the fast and successful installation of essential maintenance products like our new Pressure Switch.





MADE IN THE USA

Proudly made in the USA, Rolo-Chem products are designed, developed, manufactured, and tested at our ISO-certified facility in St. Paul, MN. While we source components globally, our U.S.-based team and strong domestic supply chain ensure adaptable, high-quality solutions delivered with speed and reliability that our customers expect.



CUSTOMER TESTIMONIALS

"A Rola-Chem Ready-To-Mount system installation **requires very little technical expertise.** Most customers can be guided on system set up questions over the phone I can't say that about any other manufacturer's system."





"Because Rola-Chem is so reliable and easy-to-use, I can serve more customers and make more money."





"Consistently tracking and maintaining proper pH and sanitizer levels is very important for the safety of swimmers and is also vital to the longevity of operating equipment. The **555XXP controller** from Rola-Chem tracks pH and sanitizer consistently and **rarely requires recalibration**, this is big time saver for us."

SEE THESE AND OTHER "MAINTENANCE MADE EASY" PRODUCTS AT ROLA-CHEM.COM

SCUMBUG



Street and second in

SPA VAC

Self-contained spa and pool vacuumextends to over 7 feet



ULTRA SCREEN

Catches debris and extends filter life

SCUMBUC+



NOTES



MAINTENANCE MADE EASY



ROLA-CHEM®

A DIVISION OF THE SPECIALTY MFG. CO.

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