



PENTAIR COMMERCIAL AQUATICS

SANITIZERS



BIOSHIELD® CLP

UV DISINFECTION STERILIZER



Establishing a bio-secure swimming facility begins at the pool design stage. Low-pressure UV systems are a proven solution to harmful water borne pathogen problems and irritating chloramines. Pentair BioShield Commercial UV systems provide instant protection against Cryptosporidium, Giardia and remove chloramines.



Micro-processor Standard Features

- Menu-Driven, Digital Interface
- Power Enclosure Over-Temp. Safety Shut-Down
- Vessel Over-Temp. safety Shut-Down
- Individual Lamp Status and Re-settable Hour Meter
- Master System Hour Meter
- Low-High Voltage Set-points/Shut-down
- Output Alarm Relay
- RS232 Data Port
- UV Intensity Monitor (1% - 100% Scale)
- Thermoplastic NEMA 12X Enclosure
- External Power Switch
- 10 or 20 Foot Lamp Cables
- Enclosure Cooling Fan
- Optional Features:
 - ◇ Water Flow Meter
 - ◇ ORP Meter
 - ◇ pH Meter
 - ◇ Ethernet Port
 - ◇ 4-20 milliamp Output Port
 - ◇ UV Dose Tracking
 - ◇ Data Logging

Featured Highlights

- Energy efficient Low Pressure UV converts up to 30-40% energy into UV-C light
- Cost effective UV inhibited Schedule 80 PVC vessels stand up to UV degradation and corrosion caused by pool water
- Conserve free-chlorine by as much as 30% compared to Medium Pressure UV systems
- NSF certified with flow rates up to 2,335 GPM
- Quality American-made, low-pressure Amalgam UV lamps offer up to 12,000 hours of continuous operation
- Low temperature lamps conserve energy and negate the need for quartz sleeve wiper systems
- UL 508L Listed
- Single-end UV lamp and quartz sleeve access for easy servicing
- Choice of input / output piping connections
- Water-tight design protects all electrical hardware from water damage.
- Enhanced, state of the art electronic ballast, sized precisely to the lamp's power requirement, ensures optimal UV-C output and maximum useful lamp life
- Most effective and efficient UV-spectral power distribution



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SIZING YOUR BIOSHIELD UV SYSTEM

1. Establishing flow rate requirements in GPM is critical to selecting the correct UV system for your application.

2. Know your UVT and dose requirement. UVT is the measure of UV-C light transmittance (254nm) in water. Contaminates and waterborne agents suspended in water will absorb UV light, preventing transmittance. Pentair has selected 90% UVT as a realistic measure of light transmittance in swimming pool water. Other manufacturers may use a higher UVT% which can greatly overrate flow capacity.

Dose is a factor of UV light intensity and contact time. Pentair calculates two average dose levels for pool applications as follows:

UV Dose	Commercial Application
40 mJ/cm ²	Inactivation of Cryptosporidium and other chlorine tolerant pathogens
60 mJ/cm ²	Additional breakdown of chloramines for greatly improved air and water quality.

3. Choose your BioShield UV system model. Select desired dose column below. Identify maximum flow rate that meets system flow rate requirement. Complete this step for model CLP4 or CLP6 and with provided vessel and power enclosure dimensions, choose the best model suited for the mechanical space. *Note max flow rate for desired port size on each model.

Model ²	Lamps/ Watts	UV-C Spectrum Output Watts	Max. Flow Rate at 90% UVT 40 mJ/cm ² (GPM)	Max. Flow Rate at 90% UVT 60 mJ/cm ² (GPM)	Port Size	Max. Flow for Port Size	Amps Max Load @ 120/230 VAC	UV Vessel Dimensions ³ (A x B x C)	Power Enclosure Dimensions (H x W x D)	Max. PSI
CLP4										
CLP41A6-XN	1/130	40	49	33	2"	-	2.1/1.0	56" x Ø6" x 47"	16" x 14" x 8.4"	150
CLP42A6-XN	2/130	80	90	60	2"	*64	3.9/2.0	56" x Ø6" x 47"	16" x 14" x 8.4"	150
					3"	-				
CLP43A6-XN	3/130	120	125	83	3"	-	5.8/2.9	56" x Ø6" x 47"	16" x 14" x 8.4"	150
CLP43A8-XN	3/130	120	167	111	3"	*144	5.8/2.9	62" x Ø8" x 51"	16" x 14" x 8.4"	150
					4"	-				
CLP44A8-XN	4/130	160	227	151	3"	*144	7.5/3.7	62" x Ø8" x 51"	20.2" x 16.3" x 8.4"	150
					4"	-				
CLP45A8-XN	5/130	200	272	181	4"	*251	9.4/4.7	62" x Ø8" x 51"	24.6" x 20.2" x 10.6"	150
					6"	-				
CLP46A10-XN	6/130	240	365	244	4"	*251	11.2/5.6	64" x Ø10" x 51"	24.6" x 20.2" x 10.6"	120
					6"	-				
CLP47A10-XN	7/130	280	430	287	6"	-	13.3/6.5	64" x Ø10" x 51"	24.6" x 20.2" x 10.6"	120
CLP47A12-XN	7/130	280	492	328	6"	-	13.3/6.5	69" x Ø12" x 51"	24.6" x 20.2" x 10.6"	90
CLP48A12-XN	8/130	320	555	369	6"	-	15.0/7.5	69" x Ø12" x 51"	30.5" x 24.1" x 12.6"	90
CLP6										
CLP61A6-XN	1/320	98	113	75	2"	*64	3.2/1.6	85" x Ø6" x 76"	24.6" x 20.2" x 10.6"	150
					3"	-				
CLP62A6-XN	2/320	196	200	133	3"	*144	6.0/3.0	85" x Ø6" x 76"	24.6" x 20.2" x 10.6"	150
					4"	-				
CLP63A6-XN	3/320	294	279	186	4"	*251	9.0/4.5	85" x Ø6" x 76"	24.6" x 20.2" x 10.6"	150
					6"	-				
CLP63A8-XN	3/320	294	372	247	4"	*251	9.0/4.5	86" x Ø8" x 76"	24.6" x 20.2" x 10.6"	150
					6"	-				
CLP64A8-XN	4/320	392	505	336	6"	-	12.0/6.0	86" x Ø8" x 76"	24.6" x 20.2" x 10.6"	150
CLP65A8-XN	5/320	490	606	403	6"	*569	15.0/7.5	86" x Ø8" x 76"	24.6" x 20.2" x 10.6"	150
					8"	-				
CLP66A10-XN	6/320	588	814	542	6"	*569	18.0/9.0	88" x Ø10" x 76"	30.5" x 24.1" x 12.6"	120
					8"	-				
CLP67A10-XN	7/320	686	953	638	6"	*569	11.0 ¹	88" x Ø10" x 76"	30.5" x 24.1" x 12.6"	120
					8"	-				
CLP67A12-XN	7/320	686	1095	729	8"	*996	11.0 ¹	90" x Ø12" x 76"	30.5" x 24.1" x 12.6"	90
					10"	-				
CLP68A12-XN	8/320	784	1235	823	8"	*996	13.0 ¹	90" x Ø12" x 76"	30.5" x 24.1" x 12.6"	90
					10"	-				
CLP69A14-XN	9/320	882	1462	974	8"	*996	14.0 ¹	92" x Ø14" x 76"	30.5" x 24.1" x 12.6"	50
					10"	-				
CLP610A16-XN	10/320	980	1690	1127	10"	*1567	16.0 ¹	94" x Ø16" x 76"	30.5" x 24.1" x 12.6"	50
					12"	-				
CLP611A18-XN	11/320	1,078	1963	1308	10"	*1567	17.0 ¹	96" x Ø18" x 76"	40.4" x 32.5" x 12.6"	50
					12"	-				
CLP612A20-XN	12/320	1,176	2335	1555	10"	*1567	19.0 ¹	98" x Ø20" x 76"	40.4" x 32.5" x 12.6"	50
					12"	*2218				
					14"	-				

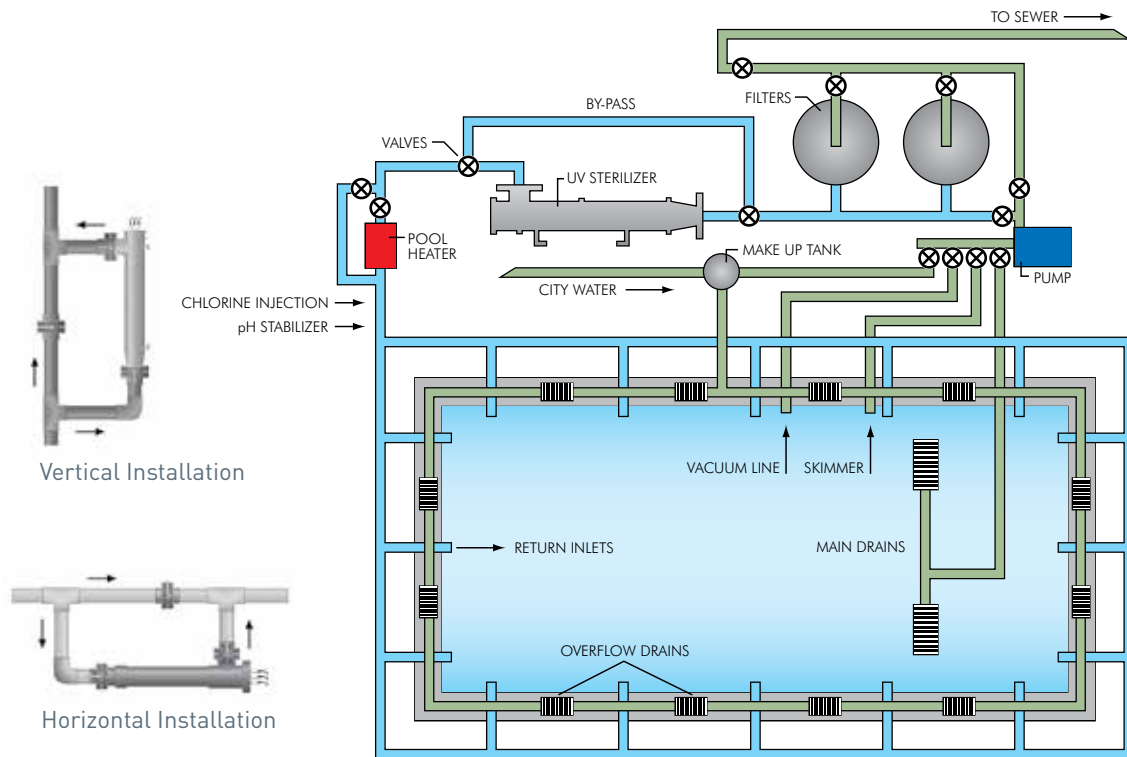
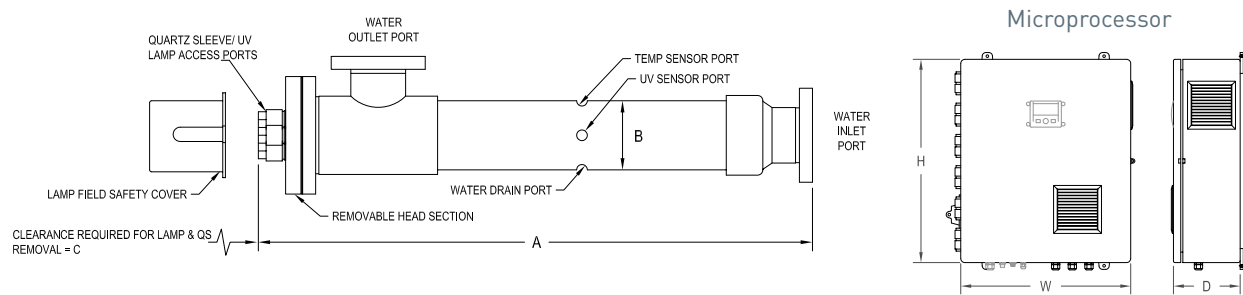
¹ 230VAC Only

² When ordering: Replace 'X' in part number with requested flange size; eg. '2' for two-inch flange.

³ Vessel dimension "C" represents clearance requirement for glassware maintenance.

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UV DISINFECTION STERILIZER



BioShield UV Sterilizer Installation:

1. Position the BioShield UV Sterilizer after the pool filters so it receives solids-free water. This will ensure optimum Bio-Security against Recreation Water Illnesses such as Cryptosporidium, Giardia and E.Coli, while protecting the quartz sleeves and lamps from potential damage.
2. The NSF-50 certified BioShield UV Sterilizer vessel is equipped with various sensor ports (UV intensity and Water Over-Temperature Protection Sensors). All sensor ports are clearly labeled on the vessel based on their respective function. Additionally, the vessel is equipped with a 1/2" threaded drain port for installation of the Drain Valve Assembly.
3. For horizontal or vertical piping installation, it is recommended to install a piping bypass manifold (as shown) which will allow for BioShield UV Sterilizer removal from the filter-loop without disrupting water flow or filter operation. Isolation Valves are necessary for vessel removal and chemical cleaning procedure.
4. Always install BioShield UV Sterilizer's with the outlet port facing upward, allowing trapped air to escape. Trapped air can result in rupture or heat damage to the vessel.
5. Provide enough space around the electrical end of the BioShield UV Sterilizer to allow for easy removal of the UV lamp and quartz sleeves. A 46" clearance for CLP4 models and 76" clearance for CLP6 models is required.
6. Do not install or operate any UV system without thoroughly reading the operators manual.

BIOSHIELD® CVP

UV DISINFECTION STERILIZER



Featured Highlights

System Features:

- Enhanced, state-of-the-art electronic ballast, sized precisely to the lamp's power requirement, ensures optimal UV-C output and maximum "useful lamp life"
- Small footprint: vertical operation reduces required horizontal space
- Cost-effective Schedule 80 solvent welded PVC plastic vessels stand up to corrosive Chlorine environments.
- Single-End UV lamp and quartz sleeve access for easy servicing
- Watertight design protects all electrical hardware from water damage
- Highest-quality, low-pressure high-output UV lamps offer 12,000 hours of continuous operation (80% efficient after 12,000 hours)
- Choice of inlet/outlet port sizes
- Included Over-Temp System Shutdown Sensor shuts down the lamp field to avoid damage when water temperature inside the vessel exceeds 120° F
- 6-foot power cord and 20-foot lamp cables

When operating space is restricted, our vertical BioShield UV Systems provide the small footprint you need. These vertical models feature single-end, top-loading quartz sleeves to minimize space required and maximize serviceability. Each model is extremely durable and features a corrosion-resistant UV vessel and control panel. All models are designed to deliver optimum UV performance by utilizing the UV lamp's UV-C output to its maximum potential. BioShield UV Systems are water-tight and designed for indoor/outdoor use. Each model is equipped with a flanged base for easy installation.

Model	Lamps/ Watts	UV-C Spectrum Output Watts	Max. Flow rate at 90% UVT 40 mJ/ cm ² (GPM)	Max. Flow rate at 90% UVT 60 mJ/ cm ² (GPM)	Port Size ²	Max. Flow for Port Size (GPM)	Amps Max. Load @ 120/230	UV Vessel Dimensions ¹ (A x B x C)	Power Enclosure Dimensions (H x W x D)	Max. PSI
522904	1/130	40	49	33	2"	-	2.1/1.0	57" x 6" x 47"	16" x 14" x 8.4"	50
522905	2/130	80	90	60	2"	*64	3.9/2.0	57" x 6" x 47"	16" x 14" x 8.4"	50
522918					3"	-				
522919	3/130	120	125	83	3"	-	5.8/2.9	57" x 6" x 47"	16" x 14" x 8.4"	50
522907	3/130	120	167	111	3"	*144	5.8/2.9	63" x 8" x 47"	16" x 14" x 8.4"	50
522920					4"	-				
522908	4/130	160	227	151	3"	*144	7.5/3.7	63" x 8" x 47"	20.2" x 16.3" x 8.4"	50
522921					4"	-				
522922	5/130	200	272	181	4"	*251	9.4/4.7	63" x 8" x 47"	24.6" x 20.2" x 10.6"	50
522935					6"	-				
522910	6/130	240	365	244	4"	*251	11.2/5.6	68" x 10" x 51"	24.6" x 20.2" x 10.6"	50
522923					6"	-				
522924	7/130	280	430	287	6"	-	13.3/6.5	68" x 10" x 51"	24.6" x 20.2" x 10.6"	50
522912	7/130	280	492	328	6"	-	13.3/6.5	75" x 12" x 51"	24.6" x 20.2" x 10.6"	50
522913	8/130	320	555	369	6"	-	15.0/7.5	75" x 12" x 51"	30.5" x 24.1" x 12.6"	50

¹ Vessel dimension "C" represents clearance requirement for glassware maintenance

² When selecting a port size, be sure the system flow rate with never exceed "Max. Flow for Port Size"

³ When ordering optional 230VAC add "-2" to end of part number

BIOSHIELD® HMAC UV DISINFECTION SYSTEM



Featured Highlights

System Features:

- Neutralizes harmful bacteria and pathogens instantly, including Cryptosporidium and E.coli
- Eliminates chloramines, conserves chlorine and works as a supplementary water enhancement
- Low-pressure, high-output UV lamp runs at lower temperatures to conserve energy
- High-density polymer with removable end cap provides easy internal access
- American-made UV lamps can last up to 12,000 hours
- 2" union inlet/outlet ports

BioShield Systems feature Low Pressure High Output (LPHO) lamps that offer approximately twice the UV output of standard Low Pressure (LP) lamps with the same arc length. UV vessels are built of a UV-resistant, high density polymer with a removable end cap to provide easy internal access. Viewing ports allow visual indication of lamp status. 25, 45, and 62 gpm units have 2" slip unions and 5 3/4" diameter housings and the 90 gpm units have 3" slip unions and 5 3/4" diameter housings. 10' cable to ballast and 6' cord. 120V and 240V units are available. Models include an in-line, sealed water-tight power supply for wet applications.

Ordering Information

MODEL	INPUT WATTS	UV-C OUTPUT WATTS	UV VESSEL DIMENSIONS	VOLTAGE	AMPS MAX LOAD	30 MJ/CM ² GPM/LPM	40 MJ/CM ² GPM/LPM
HIGH-OUTPUT STERILIZERS							
522635	50	15	30" X 6"	115/230V	1.15/0.57	25/94	17/64
522636	80	27	45" X 6"	115/230V	1.15/0.57	45/170	32/121
522637	120	37	57" X 6"	115/230V	1.15/0.57	62/234	43/162
522638*	150	57	71" X 6"	115V	1.85	100/378	70/264
522945*	150	57	71" X 6"	230V	0.85	100/378	70/264

WATTS	SEAL KITS	BALLAST	VOLTAGE	4-PIN LAMP CONNECTOR	LAMP	QUARTZ SLEEVE
HIGH-OUTPUT REPLACEMENT PARTS						
50	523031	523032	115/230V	523034	523035	523039
80	523031	523032	115/230V	523034	523036	523040
120	523031	523032	115/230V	523034	523037	523041
150	523031	523033	115V	523034	523038	523042
150	523031	523053	230V	523034	523038	523042

* 3" Unions

INTELLIZONE®

OZONE GENERATOR

Featured Highlights

- Integrated Ozone Safety Management System
- Powder-coated steel enclosure designed to NEMA-3R specifications for corrosion-free life
- Operator interface for ease-of-use
- Systems from 2-130 grams per hour
- Significantly reduces chemical odors within enclosed pool areas
- Decreases operational cost by reducing chlorine consumption up to 50%
- No harmful by-products left behind
- NSF standard 50 approved
- UL listed



Commercial IntelliZone Generator

Pentair IntelliZone Commercial Ozone System is the safest, most powerful oxidizer and disinfectant for use in multiple industrial and commercial applications. Combining ozone's proven oxidation and sanitation power with traditional chlorine systems produces the clearest pool water possible.

Ordering Information

	Pool Size in Gallons ¹	Part Number	Generator	Management System Part Number	Management System ²
(Based on 6-hour turnover rate)	0-4,999	521655	CD-2G	521866	MS-040-01
	5,000-7,499	521656	CD-5G	521866	MS-040-01
	7,500-14,999	521656	CD-5G	521866	MS-040-01
	15,000-24,999	521658	CD-7GV	521867	MS-040-02
	25,000-34,999	521659	CD-15GV	521868	MS-040-03
	35,000-57,999	521659	CD-15GV	521868	MS-040-03
	58,000-74,999	521660	CD-25GV	521869	MS-042-02
	75,000-99,999	521660	CD-25GV	521869	MS-042-02
	100,000-114,999	521661	CD-45GV	521869	MS-042-02
	115,000-119,999	521661	CD-45GV	521870	MS-200-01 ³
120,000-150,000	521661	CD-45GV	521870	MS-200-01 ³	

¹ For larger pools, wading pools, spas or other non-pools call for engineering assistance - 800-831-7133, ext. 8465

² Management System contains Contact Vessel or Kit, Injector Assembly, De-Gas Valve, Ozone Destruct and ORP Controller.

³ The MS-200-01 requires the 7-CT-200 tank (PN 521871) to be ordered separately.

INTELLIZONE®

OZONE GENERATOR

-sizing TABLES

1. Recreation/Lap Pool

Pool Size in Gallons†	Part Number	3 Hour Turnover			4 Hour Turnover			6 Hour Turnover		
		Generator	Management System	Booster Pump	Generator	Management System	Booster Pump	Generator	Management System	Booster Pump
0 - 4,999	521655	CD-2G	MS-040-01	+++	CD-2G	MS-040-01	+++	CD-2G	MS-040-01	+++
5,000 - 7,499	521655	CD-2G	MS-040-01	+++	CD-5G	MS-040-01	+++	CD-5G	MS-040-01	+++
7,500 - 14,999	521656	CD-5G	MS-040-01	n/a	CD-5G	MS-040-01	n/a	CD-5G	MS-040-01	+++
15,000 - 24,999	521658	CD-7GV	MS-040-02	20 GPM	CD-7GV	MS-040-02	20 GPM	CD-7GV	MS-040-02	20 GPM
25,000 - 34,999	521658	CD-7GV	MS-040-02	25 GPM	CD-7GV	MS-040-02	25 GPM	CD-15GV	MS-040-03	25 GPM
35,000 - 57,999	521659	CD-15GV	MS-040-03	40 GPM	CD-15GV	MS-040-03	40 GPM	CD-15GV	MS-040-03	40 GPM
58,000 - 74,999	521659	CD-15GV	MS-042-02	55 GPM	CD-15GV	MS-042-02	55 GPM	CD-25GV	MS-042-02	55 GPM
75,000 - 99,999	521660	CD-25GV	MS-042-02	70 GPM	CD-25GV	MS-042-02	70 GPM	CD-25GV	MS-042-02	70 GPM
100,000 - 114,999	521660	CD-25GV	MS-042-02	80 GPM	CD-25GV	MS-042-02	80 GPM	CD-45GV	MS-042-02	80 GPM
115,000 - 119,999	521660	CD-25GV	MS-200-01	85 GPM	CD-45GV	MS-200-01	85 GPM	CD-45GV	MS-200-01	85 GPM
120,000 - 150,000	521661	CD-45GV	MS-200-01	105 GPM	CD-45GV	MS-200-01	105 GPM	CD-45GV	MS-200-01	105 GPM

2. Therapy/Swim School Pool

Pool Size in Gallons†	Part Number	3 Hour Turnover			4 Hour Turnover			6 Hour Turnover		
		Generator	Management System	Booster Pump	Generator	Management System	Booster Pump	Generator	Management System	Booster Pump
0 - 4,999	521655	CD-2G	MS-040-01	+++	CD-2G	MS-040-01	+++	CD-2G	MS-040-01	+++
5,000 - 9,999	521655	CD-2G	MS-040-01	+++	CD-5G	MS-040-01	+++	CD-5G	MS-040-01	+++
10,000 - 14,999	521656	CD-5G	MS-040-01	n/a	CD-7GV	MS-040-01	n/a	CD-7GV	MS-040-01	n/a
15,000 - 19,999	521659	CD-15GV	MS-040-03	30 GPM	CD-15GV	MS-040-03	30 GPM	CD-15GV	MS-040-03	30 GPM
20,000 - 29,999	521659	CD-15GV	MS-040-03	40 GPM	CD-15GV	MS-040-03	40 GPM	CD-15GV	MS-040-03	40 GPM
30,000 - 34,999	521660	CD-25GV	MS-042-02	50 GPM	CD-25GV	MS-042-02	50 GPM	CD-25GV	MS-042-02	50 GPM
35,000 - 50,000	521660	CD-25GV	MS-042-02	70 GPM	CD-25GV	MS-042-02	70 GPM	CD-25GV	MS-042-02	70 GPM

3. Wading Pools

Pool Size in Gallons†	Part Number	1/2 Hour Turnover			1 Hour Turnover			1 1/2 Hour Turnover		
		Generator	Management System	Booster Pump	Generator	Management System	Booster Pump	Generator	Management System	Booster Pump
0 - 999	521655	CD-2G	MS-040-01	n/a	CD-2G	MS-040-01	n/a	CD-2G	MS-040-01	n/a
1,000 - 1,499	521655	CD-2G	MS-040-01	n/a	CD-2G	MS-040-01	n/a	CD-5G	MS-040-01	n/a
1,500 - 2,999	521656	CD-5G	MS-040-01	n/a	CD-5G	MS-040-01	n/a	CD-5G	MS-040-01	n/a
3,000 - 3,499	521656	CD-5G	MS-040-01	n/a	CD-7GV	MS-040-01	n/a	CD-7GV	MS-040-01	n/a
3,500 - 4,500	521658	CD-7GV	MS-040-02	20 GPM	CD-7GV	MS-040-02	20 GPM	CD-7GV	MS-040-02	20 GPM

4. Spa/Hot Tubs

Pool Size in Gallons†	Part Number	1/4 Hour Turnover			1/2 Hour Turnover		
		Generator	Management System	Booster Pump	Generator	Management System	Booster Pump
501 - 999	521656	CD-5G	MS-040-01	+++	CD-5G	MS-040-01	+++
1,000 - 2,999	521658	CD-7GV	MS-040-01	n/a	CD-7GV	MS-040-01	n/a
2,500 - 2,999	521658	CD-7GV	MS-040-01	n/a	CD-15GV	MS-040-00	n/a
3,000 - 5,000	521659	CD-15GV	MS-040-03	40 GPM	CD-15GV	MS-040-03	40 GPM

MANAGEMENT SYSTEM TABLE

Management System	Part Number	5 Parts Included in Management System				
		Contact Vessel or Kit	Injector Assembly	De-Gas Valve	Ozone Destruct	ORP Controller
MS-040-00	521865	1-40 Gallon Tank	7-0515	8-0272	DD-0100	521711
MS-040-01	521866	1-40 Gallon Tank	7-0515	8-0272	DD-0100	521709
MS-040-02	521867	1-40 Gallon Tank	IU-306	8-0272	DD-0100	521709
MS-040-03	521868	1-40 Gallon Tank	IU-306	8-0272	DD-0100	521711
MS-042-02	521869	2-40 Gallon Tank	IU-316	2-8-0272	DD-0100	521711
MS-200-01*	521870	1-200 Gallon Tank	IA-1584-4	8-0272	DD-0100	521711
7-CT-200*	521871					

Special Ordering Notes:

- All management systems include 40 ft of PTFE tubing. The larger two tank systems include 50 feet of PTFE tubing.

Systems Design and Specifications:

- Ozone Anti-Microbial Validation under ANSI/NSF Standard 50, Annex H - All Systems to NSF.

For sizing assistance, please contact us at PoolApplicationRFQ@pentair.com.

COMMERCIAL INTELLICHLOR®

SALT CHLORINE GENERATOR

Featured Highlights

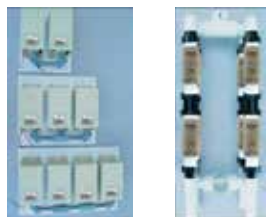
- Each single cell produces up to 2 lbs of chlorine per day
- Manifold systems to 8 cells
- Systems available with 16 lbs of chlorine output per day*
- Color LED status displays
- Performance data captured daily
- Tracking of remaining cell life
- Automatic shut-off feature helps protect and prolong cell life
- Pre-mounted multi-power center configuration
- Works with ORP Control System to generate chlorine on demand
- Self-cleaning
- NSF listed
- UL Listed



IntelliChlor Salt Chlorine Generator Cell

IntelliChlor Salt Chlorine Generator uses common table salt to produce all the chlorine a pool needs, safely, effectively, and automatically. Same sanitation performance as manual chlorine addition without the drawbacks. No need for customers to buy, transport and store chlorine compounds.

Possible Power Center and Manifold Configurations



Output Manifold

- Need 30 GPM per cell in manifold to trigger flow switch
- Power Centers are mounted on PVC boards and pre-wired for 220 VAC and ORP



Compatible with Acu-Trol® and IntelliChem® pH/ORP Control Systems.

Ordering Information

PART NUMBER	DESCRIPTION	NUMBER OF PRIMARY (P) AND SECONDARY (S) IC60 CELLS	NUMBER OF PRIMARY POWER CENTERS (520978)	NUMBER OF SECONDARY POWER CENTERS (520556)	CHLORINE PER DAYS (LBS.) ¹
520970	COMSYS-2	1P	1	0	2
520971	COMSYS-4	1P, 1S	1	1	4
520972	COMSYS-6	1P, 2S	1	2	6
520973	COMSYS-8	1P, 3S	1	3	8
520974	COMSYS-10	1P, 4S	1	4	10
520975	COMSYS-12	1P, 5S	1	5	12
520976	COMSYS-14	1P, 6S	1	6	14
520977	COMSYS-16	1P, 7S	1	7	16

¹ Codes for commercial pools typically require 2 lbs. of chlorine production per every 10,000 gallons. Please consult your local codes for chlorine production requirements.

Note: COMSYS-System includes: Primary Cell, Secondary Cells, Primary Power Center, Secondary Power Centers, and the manifold.

* Call factory for sizing Commercial IntelliChlor systems for pools larger than 80,000 gallons.

Product	Description	Carton Qty.	Carton Wt. (Lbs.)
COMMERCIAL INTELLICHLOR SALT CHLORINE GENERATOR FOR UNITED STATES			
521151	IntelliChlor CIC60P Replacement Primary Commercial Cell	1	7.5
521005	IntelliChlor CIC60S Replacement Secondary Commercial Cell	1	7.0
520978	IntelliChlor IC60P Replacement Primary Power Center	1	14.0
520556	IntelliChlor Replacement Secondary Power Center	1	13.0

RAINBOW™ AUTOMATIC CHLORINE/BROMINE FEEDERS



Rainbow Chlorine and Bromine Feeders

Years of customer use and satisfaction have proven Rainbow feeders to be the performance leader in pool & spa chemical dispensers.

Featured Highlights

- 300 and 320 series filters available in clear amber for easy tablet level monitoring
- Completely enclosed system – no special venting required
- No escaping gases
- 50 PSI maximum operating pressure

In-Line Feeders

- **320 Series.** For permanent installation in return line of new or existing pools or spas. Installs in return line on pressure side of pump downstream of all equipment. Standard with 2 in. slip PVC fittings and adapters for 1-1/2 in.

Off-Line Feeders

- **300 Series.** Retrofits into existing pools or spas. Operates on pressure side of pump. Uses 1/4 in. feeder hoses, control valve and fittings.

Ordering Information

Product	Model	Description	Carton Qty.	Carton Wt. (Lbs.)
IN-LINE FEEDERS				
R171096 ¹	320	Holds 11 large or 98 small Bromine or slow dissolving Trichlor tablets. Treats 6,500 to 27,000 gallons bottom feed and 18,000 to 70,000 gallons top feed.	1	30
R171218 ¹	320C	Holds 11 large or 98 small Bromine or slow dissolving Trichlor tablets. Treats 6,500 to 27,000 gallons in a bottom feed configuration and 18,000 to 70,000 gallons in a top feed configuration with see-through amber body.	1	30
OFF-LINE FEEDERS				
R171016 ¹	300	Holds 11 large or 98 small tablets. Treats 12,000 to 48,000 gallons.	1	26
R171022 ¹	300C	Holds 11 large or 98 small tablets. Treats 12,000 to 48,000 gallons with see-through amber body.	1	26
R171026	302	Spa feeder. Includes spa chamber. Treats 500 to 2,000 gallons. Holds 15 small tablets.	1	28
R171056 ¹	300-19	Spa feeder includes double-capacity 19 in. chamber. Treats 13,000 to 52,000 gallons.	1	5
R171066 ¹	300-29	Spa feeder includes triple-capacity 29 in. chamber. Treats 14,000 to 57,000 gallons.	1	6
COMMERCIAL AND HIGH CAPACITY FEEDERS				
R171070 ¹	300-29X	Heavy duty 1/2 in. control valve and tubing optimizes flow and erosion to provide larger amounts of sanitizer. Dispenses 8.5 lbs. of 1 in. Trichlor Tablets in 24 hours. Holds 29 large or 237 small tablets. Treats 80,000 to 322,000 gallons.	1	8
R171215 ¹	HC-3315	High capacity for 1 in. hard plumbing installations. Holds 15 lbs. of tablets. Treats up to 20,200 gallons with Bromine and up to 97,600 gallons with Trichlor.	1	9
R171230 ¹	HC-3330	High capacity for 1 in. hard plumbing installations. Holds 30 lbs. of tablets. Treats up to 40,000 gallons with Bromine and up to 160,000 gallons with Trichlor.	1	12
R171240 ¹	HC-3340	High capacity for 1 in. hard plumbing installations. Holds 40 lbs. of tablets. Treats up to 61,000 gallons with Bromine and up to 332,000 gallons with Trichlor.	1	14

Note: Rainbow Automatic Chlorine/Bromine feeders are for use with slow dissolving trichlor or bromine tablets only.

¹ NSF listed

RAINBOW™ AUTOMATIC CHLORINE/BROMINE SIZING CHART

Model	Chamber Capacity				Maximum Erosion in 24 Hours ¹	Treats Pool/Spa Size			H	W	D	Service Clearance for Lid Removal
	1 in. Tablet		3 in. Tablet			@ 10 ppm	@ 5 ppm	@ 2-1/2 ppm				
	Qty.	Wt.	Qty.	Wt.								
AUTOMATIC CHLORINE/BROMINE SIZING CHART												
#300	98	3.5 lbs.	11	4.8 lbs.	1.19 lbs.	11,900	23,800	47,600	21 in.	7 in.	12 in.	22-1/4 in.
#302 with spa chamber	15	0.5 lbs.	—	—	0.5 lbs.	500	1,000	2,000	21 in.	7 in.	12 in.	22-1/4 in.
#300-19	153	5.5 lbs.	20	8.8 lbs.	1.30 lbs.	13,000	26,000	52,000	28-1/2 in.	7 in.	12 in.	29-3/4 in.
#300-29	237	9.8 lbs.	29	12.7 lbs.	1.41 lbs.	14,100	28,200	56,400	38-1/2 in.	7 in.	12 in.	39-3/4 in.
#300-29X commercial model	237	9.8 lbs.	29	12.7 lbs.	8.05 lbs.	80,500	161,000	322,000	38-1/2 in.	7 in.	12 in.	39-3/4 in.
#320 bottom feed	98	3.5 lbs.	11	4.8 lbs.	0.67 lbs.	6,700	13,400	26,800	17-3/4 in.	5 in.	10 in.	19 in.
#320 top feed	98	3.5 lbs.	11	4.8 lbs.	1.75 lbs.	17,500	35,000	70,000	17-3/4 in.	5 in.	10 in.	19 in.

WITH 10 in. FEEDER EXTENSION ON #300 – REFER TO #300-19, max. height 11 in. 6 PPM-COMMERCIAL POOLS & SPAS
 WITH 20 in. FEEDER EXTENSION ON #300 – REFER TO #300-29, max. height 21 in. 3 PPM-RESIDENTIAL POOL & SPAS

Note: This chart is only a suggested guide. Consult your local authority to determine their guidelines if needed. Results may vary due to pool/spa equipment and many other factors.



¹ Based on use of 1 in. Trichlor in 24 hours. Use of 3 in. tablets or sticks or bromine tablets will lower results. For 8 hour turnover divide by 3.

RAINBOW™ HIGH CAPACITY CHLORINE/BROMINE SIZING CHART

Model	Capacity	Maximum Erosion In 24 Hours		Treats Pool/Spa Size In Gallons Per 24 Hours		H	W	D	Service Clearance	
		Chlorine	Bromine	Chlorine (10 ppm)	Bromine (10 ppm)					
HIGH CAPACITY CHLORINE/BROMINE SIZING CHART										
HC3315	15 lbs.	29.28 lbs.	13.68 lbs.	97,600	20,200	21-1/2 in.	8 in.	15 in.	22 3/4 in.	
HC3330	30 lbs.	48.00 lbs.	27.60 lbs.	160,000	40,900	39-1/8 in.	8 in.	15 in.	40-3/8 in.	
HC3340	40 lbs.	99.60 lbs.	41.52 lbs.	332,000	61,500	49 3/4 in.	8 in.	15 in.	51 in.	