



Protect Your Patients, Clients and Staff. Reduce Your Liability.

Minimize risk from Legionella with new patent pending water softener technology from Nancrede Engineering.

'LC' LEGIONELLA CONTROL HIGH EFFICIENCY SOFTENER SYSTEMS

The Nancrede 'LC' Legionella Control water softeners reduce Legionella and other harmful pathogen growth by eliminating stagnant water in offline softener tanks while minimizing dead legs by always having two tanks online in series.

- Piping and valving optimization is designed to minimize dead legs and Legionella growth.
- Worker polisher tanks running in series eliminate hard water caused by one softener not functioning or failing to regenerate correctly.
- Salt savings with lower hardness leakage is also achieved by running the softeners in series and always having a working and polishing softener online.
- Adjustable salt level settings allow for optimizing hardness leakage and efficiency.

NEW
★
PATENT
PENDING



STANDARD FEATURES

- Legionella and bacterial reducing design
- High efficiency, double redundancy design
- High efficiency, low pressure loss resin
- Distribution and controls to reduce bacteria
- Bi-directional flow with continuous soft water polishing
- Parallel mode for peak flow rates
- Skid Mounted, pre-piped and pre-wired
- Factory hydro-tested at 100 psig
- Completely NSF 61 rated system

INSTRUMENTATION / CONTROLS

- AB 1400 PLC with BMS communication
- Butterfly valves with air or electric actuators
- 304 stainless steel piping and distribution
- Metered regeneration with timed override
- Adjustable brining settings from 4 - 15 lbs
- Inlet/Outlet pressure gauges & sample ports

OPERATING PARAMETERS

- Inlet pressure: 30 - 100 psig
- Electrical: 120 - 240 VAC, 50 - 60 Hz
- Temperature: 35 - 110 °F

OPTIONS

- Fully integrated sanitization system
- Inline ORP inlet and outlet monitors
- Low flow Legionella reduction system
- Ultraviolet light & Cartridge filter system
- Hard water early warning system
- Inlet and outlet pressure transducers
- ASME code stamped resin tanks
- Stainless steel tank construction
- High pressure & temperature systems
- Additional piping materials, including CPVC
- Seismic zone rated systems
- Premium online hardness monitor

LEGIONELLA CONTROL SPECIFICATIONS LC SERIES

CATALOG NUMBER	EXCHANGE CAPACITY/(Grains) SALT DOSAGE/(Pounds) SALT USAGE/(Pounds) MAX. MIN.		FLOW RATES			PIPE SIZE		RESIN CU. FT.	TANK SIZES		SALT STORAGE LBS
			SERVICE		BACKWASH GPM	SERVICE IN.	DRAIN IN.		SOFTENER IN.	BRINE IN.	
			CONT. GPM	PEAK GPM							
LC-150-1	150,000/	100,000/	21	64	10	1	1	5	20 x 54	24 x 50	700
1-1/4	75/	30/	28	86		1-1/4	1				
1-1/2	75/	30	36	110		1-1/2	1				
2			46	138		2	1				
LC-210-1-1/4	210,000/	140,000/	27	82	15	1-1/4	1	7	24 x 54	24 x 50	600
1-1/2	105/	42/	42	128		1-1/2	1				
2	105	42	53	160		2	1				
2-1/2			76	230		2-1/2	1				
LC-300-1-1/2	300,000/	200,000/	45	136	20	1-1/2	1	10	30 x 54	24 x 60	600
2	150/	60/	61	184		2	1				
2-1/2	150	60	92	280		2-1/2	1				
3			109	330		3	1				
LC-450-1-1/2	450,000/	300,000/	42	126	20	1-1/2	1	15	30 x 60	30 x 60	1000
2	225/	90/	54	164		2	1				
2-1/2	225	90	79	240		2-1/2	1				
3			92	280		3	1				
LC-600-1-1/2	600,000/	400,000/	48	144	30	1-1/2	1-1/2	20	36 x 60	39 x 60	1900
2	300/	120/	73	220		2	1-1/2				
2-1/2	300	120	92	280		2-1/2	1-1/2				
3			116	350		3	1-1/2				
LC-750-2	750,000	500,000/	59	180	30	2	1-1/2	25	36 x 72	39 x 60	1700
2-1/2	375/	150/	92	280		2-1/2	1-1/2				
3	375	150	106	320		3	1-1/2				
LC-900-2	900,000	600,000/	69	210	45	2	2	30	42 x 60	42 x 60	1900
2-1/2	450/	180/	99	300		2-1/2	2				
3	375	180	124	376		3	2				
LC-1050-2	1,050,000/	700,000/	63	190	45	2	2	35	42 x 72	50 x 60	2300
2-1/2	525/	210/	96	300		2-1/2	2				
3	525	210	124	346		3	2				
LC-1200-2-1/2	1,200,000/	800,000/	106	320	60	2-1/2	2	40	48 x 60	52 x 60	2600
3	600/	240/	142	430		3	2				
4	600	240	205	620		4	2				
LC-1500-2-1/2	1,500,000/	1,000,000/	109	330	80	2-1/2	2	50	54 x 60	66 x 46	3300
3	750/	300/	149	450		3	2				
4	750	300	267	620		4	2				
LC-1950-2-1/2	1,950,000/	1,300,000/	111	336	100	2-1/2	2-1/2	65	60 x 60	60 x 66	4000
3	975/	390/	155	470		3	2-1/2				
4	975	390	294	890		4	2-1/2				
LC-2400-3	2,400,000/	1,600,000/	162	490	120	3	3	80	66 x 72	66 x 72	5800
4	1,200/	480/	317	960		4	3				
6	1,200	480	429	1300		6	3				
LC-3000-3	3,000,000/	2,000,000/	168	510	140	3	3	100	72 x 72	82 x 60	7300
4	1,500/	600/	330	1000		4	3				
6	1,500	600	462	1400		6	3				
LC-3600-4	3,600,000	2,400,000/	343	1040	165	4	3	120	78 x 72	82 x 60	6000
6	1,800/	720/	495	1500		6	3				
8	1,800	720	627	1900		8	3				
LC-4200-4	4,200,000	2,800,000/	356	1080	190	4	3	140	84 x 72	90 x 60	7500
6	2,100/	840/	515	1560		6	3				
8	2,100	840	660	2000		8	3				
LC-4800-4	4,800,000/	3,200,000/	396	1200	220	4	4	160	90 x 72	90 x 60	6500
6	2,400/	960/	528	1600		6	4				
8	2,400	960	700	2120		8	4				
LC-5400-4	5,400,000/	3,600,000/	446	1350	250	4	4	180	96 x 72	96 x 60	7700
6	2,700/	1,080/	581	1760		6	4				
8	2,700	1,080	769	2300		8	4				

Non-chemical and chemical bacterial control systems can be packaged with the LC Water Softener System to control Legionella and other harmful pathogens. Consulting for defensible water management programs are also available.

NON-CHEMICAL AUXILIARY LEGIONELLA CONTROL SYSTEMS

- Microfiltration System
- Ultrafiltration System
- Nanofiltration System
- Copper-silver ionization
- Ultra-violet (UV) System

CHEMICAL AUXILIARY LEGIONELLA CONTROL SYSTEMS

- Mixed Oxidant Generation System
- Chlorine Dioxide Generation System
- Advanced Oxidation Process (AOP)
- Chlorine Injection
- Monochloramine Injection