



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

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

LEGIONELLA DOMINATOR™ HIGH EFFICIENCY SOFTENER SYSTEMS

NEW
★
PATENT
PENDING

The Legionella Dominator™ water softener reduces Legionella and other harmful pathogen growth by eliminating stagnant water in offline softener tanks while minimizing dead legs and 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.

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 DOMINATOR™ SERIES SPECIFICATIONS

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 Legionella Dominator™ 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