seresco®

NE Series™
Indoor Pool Dehumidifiers
The industry benchmark in quality and customer satisfaction

hotel **residential** spa/whirlpool
competition swim insitutional **school/university**
fitness club **aquatic center** physical therapy
public/YMCA water park

SERESCO NE Series™ Dehumidifiers:
innovation in natatorium air quality control

Getting what you want and need!

The environment in a natatorium should be the same as in any other room in a building: comfortable and healthy for the occupants and their activity, and provide good air quality.

Relative humidity, air temperature, water temperature and air quality are all key environmental aspects to control. High relative humidity levels are not only a problem to bather comfort and health, but can seriously damage the building structure possibly leading to building component failures. Revenues can also be affected in commercial facilities. Several hotel chains offer a full money-back guarantee should the hotel guest have any complaint regarding their stay.
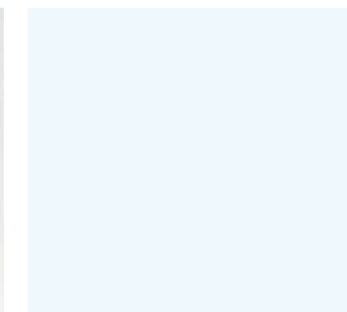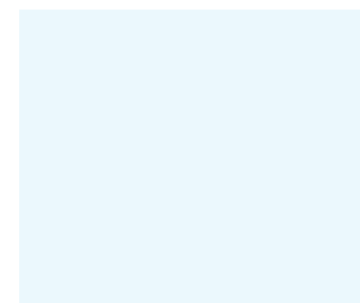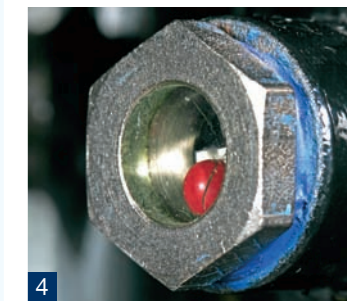
Not Just Another Dehumidifier…

Seresco Technologies Inc. was born from a team with over 50 years of collective industry experience and a desire to embrace technology and use it to produce products that set a new benchmark in the dehumidification and energy recycling industry. Use of new technologies and creative design advances combined with a solid engineering base in mechanical refrigeration, humidity control and manufacturing have together resulted in the launch of the first innovations seen in natatorium air quality control in the past 15 years. The NE Series™ has over 20 new exclusive innovations, making it clearly stand out from the competition.

1 High efficiency corrosion resistant plug fan

2 Direct drive blower, no belts means low maintenance

3 Fully dipped refrigerant coils for maximum corrosion protection

4 Refrigerant sight glass eliminates need to weigh in field charges

5 Pressure tranducers eliminate need for refrigerant gauges

6 2" pleated return air filters

7 Motorized evaporator bypass damper for optimum performance

8 Fully piped/wired factory mounted space heating coils

9 Outdoor air intake with 2" pleated filter and manual air balancing damper (optional motorized damper)

10 WebSentry® internet monitoring – 24/7 control via the Web

See features comparison chart for the many more standard advantages.

Control your Indoor Pool Environment

The **Seresco** NE Series™ is the complete solution for indoor pool environment control, offering innovative features never before seen in the industry. Using adaptive control strategies combined with sophisticated electronics and the latest in internet technology, **Seresco** is the only company that can be connected with a secure web browser to every unit installed worldwide via the Internet.

Seresco systems are the most reliable in the market today. The **Seresco** NE Series™ is truly a new industry standard that advances the benchmark for customer satisfaction.
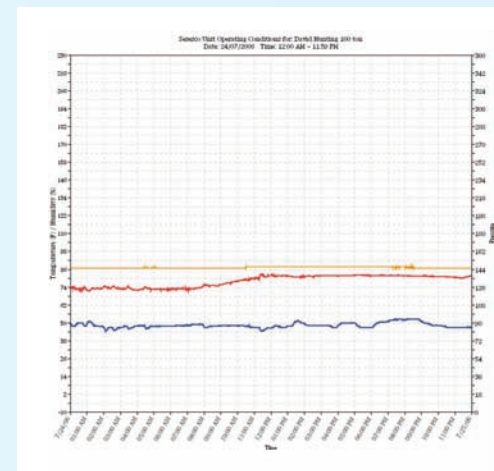
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CommandCenter®

The CommandCenter® is the brains behind the NE Series™ indoor pool dehumidification system. It is an advanced adaptive control system with user friendly features that ensure an optimal indoor pool environment.

The CommandCenter® monitors and controls the NE Series™ via a full range of unit-mounted sensors and is composed of a microcontroller system, a unit-mounted LCD display with keypad, an Ethernet interface, and WebSentry® – our web-based browser remote interface tool.

Monitor in Real Time via the internet!

• Plug and play connection

• 24/7 factory monitoring

• Ensures optimum system operation

• BACnet IP on same cable

• Permanent operating logs

• Eliminates nuisance service trips

• Email and pager alerts

• Simple, secure and reliable

WebSentry® allows owners, operators or service companies to remotely gain access to their Seresco dehumidifier via the internet. All units connected to WebSentry® are also automatically monitored 24/7 by the factory. Seresco systems are factory equipped with a multitude of sensors and refrigerant pressure transducers. All critical unit information is online and automatically updated to a secure central server. This information is permanently kept in a central database to assist in evaluating and optimizing long-term system performance.

Access to WebSentry® is controlled with a secure username and password. It provides an easy-to-use interface to any feature or control that can be accessed from the local CommandCenter® control panel mounted on the NE Series™ system. Setpoints can be adjusted, modes of operation can be tested, operational logs can be examined and more. The Service Mechanic Mode is also available for remote troubleshooting. Current alarms will even generate e-mails and/or pager calls to registered emergency contact persons!

The facility owner, especially those in remote locations will have the peace of mind that their units are being monitored by experienced factory technicians.

WebSentry® is the new standard in customer satisfaction and system reliability.

	MODEL NE	MOISTURE REMOVAL (LBS/HR)	AIR VOLUME RANGE (CFM)	SENSIBLE COOLING STAGE 2 (MBH)	TOTAL CAPACITY (MBH)	TYPICAL POOL SIZE (SQ FT)
900 SERIES	920	11.7	720-1350	15.5	26.9	275
	925	14.3	800-1350	19.2	33.1	330
	930	16.1	960-1350	22.2	37.8	400
	935	18.3	1040-1350	23.9	41.9	450
004 - 016 SERIES	4	23.1	1600-3400	32.7	52.4	400
	5	28.4	2000-3400	40.1	64.6	500
	6	31.8	2400-3400	46.3	73.2	600
	7	37.5	2720-3400	53.2	85.3	750
	8	43.6	3040-6600	60.7	98.3	900
	10	57.0	3680-6600	78.9	128.1	1200
	12	65.7	4400-6600	91.7	148.3	1400
	14	75.6	5120-6600	105.6	170.9	1650
	16	87.2	6400-7200	121.3	196.5	2000
200 SERIES	208	46.2	3200-6800	65.3	104.7	800
	210	56.9	4000-6800	80.2	129.2	1000
	212	63.7	4800-6800	92.7	146.3	1300
	214	75.1	5440-6800	106.3	170.6	1600
	216	87.2	6080-13200	121.3	196.5	2000
	218	100.7	6720-13200	139.6	226.4	2000
	220	114.1	7360-13200	157.9	256.3	2400
	222	122.7	8000-13200	170.7	276.5	2700
	224	131.4	8800-13200	183.5	296.7	2900
	226	141.3	9600-13200	197.3	319.3	3100
	228	151.1	10400-13200	211.2	341.9	3300
	232	174.4	10400-13200	242.6	393.0	4000
018 - 140 SERIES	18	100.0	6400-7200	138.4	225.0	2000
	20	114.1	8000-12000	157.9	256.3	2500
	24	131.4	9600-14400	183.5	296.7	2900
	28	151.1	11200-16800	211.2	341.9	3400
	32	174.5	12800-19200	242.6	393.0	4000
	36	201.3	14400-21600	279.2	452.8	4500
	40	228.2	16000-24000	315.8	512.5	5100
	45	258.3	18400-27600	358.2	580.9	5700
	50	285.2	20000-30000	394.7	640.7	6200
	64	365.0	24000-30000	505.2	820.0	8000
	70	399.3	26250-35000	552.6	896.9	8700
	80	456.3	30000-40000	631.6	1025.0	10000
	90	513.3	33750-45000	710.5	1153.2	11200
	100	570.4	37500-50000	789.4	1281.3	12500
	110	627.4	41250-55000	868.4	1409.4	13800
	120	684.5	45000-60000	947.3	1537.6	15000
	130	746.5	48750-65000	1026.3	1665.7	16400
	140	798.5	52500-70000	1105.2	1793.8	17500

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Based on 82°F and 60% RH space conditions

004-007 Horizontal

004-007 Vertical

008-016 Indoor

200 Series

018 - 140 Series

NE Series™ Features Comparison	900 Series	200 Series	004 - 016 Series	018 - 140 Series
WebSentry® internet monitoring and control	○	●	●	●
CommandCenter® microprocessor control	○	●	●	●
BMS interface - BacNet IP, ModBus or LonWorks	○	○	○	○
Performance enhancing liquid refrigerant sub-cooling circuit	●	●	●	●
Refrigerant high/low pressure transducers	○	●	●	●
Neutral reheat mode for optimum space temperature control	●	●	●	●
Cabinet designed to fit through 32" door	●	●	●	
Service vestibule - compressors out of airstream	●	●	●	●
2 Independent refrigeration circuits		●	○	●
Outdoor package with integral air cooled condenser		○	○	○
Vertical or horizontal cabinet configurations	●	●	●	
2" Double wall cabinet construction	●	●		
High efficiency corrosion resistant plug fan	●	●	●	●
Direct driven blowers	●	●	●	
Multiple supply air orientations	●	●	●	
Sight glasses with float balls in each receiver	●	●	●	
Compact 2 side only service access requirement	●	●	●	●
2 Stages of sensible cooling	●	●	●	●
Outdoor air intake with 2" pleated filter and manual air balancing damper		●	●	●
2" Pleated return air filters	●	●	●	●
Advanced sensor information displayed	○	●	●	●
Alarm status indication	○	●	●	●
Scroll compressors	●	●	●	●
Alternate refrigerants	●	●	●	●
Reliable 2 way solenoid valves	●	●	●	●
ETL listed	●	●	●	●
Fully dipped evaporative coils for maximum corrosion protection	●	●	●	●
Remote CommandCenter® panel	○	○	○	○
Motorized evaporator bypass damper for optimum performance		●	●	●
Purge-economizer mode and heat recovery configurations			○	○
Pool water heating with recycled energy	○	○	○	○
Air-conditioning mode: air-cooled or fluid cooled	○	○	○	○
Unit mounted space heating (including gas)	○	○	○	○

Specifications subject to change without notice, please consult sales for latest information.

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● = standard   ○ = optional

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