

NC NC Series

NG NG Series



Seresco's NG Series Fluid Coolers &
NC Series Outdoor Condensers
Quiet, efficient reliable heat rejection



NC

NC SERIES PERFORMANCE DATA												
Model	^Capacity (Btu/hr)	Min. Circuit Ampacity (MCA)			Max. Fuse (MOP)			*Noise Level @ 10ft. (dBA)	Dimensions (in)			
		230 V	460 V	575 V	230 V	460 V	575 V		Width	Height	Length	
NC-B-1H	75,100	5	2	2	15	15	15	40-50	27	34	37	
NC-B-1V	75,100	5	2	2	15	15	15	40-50	34	31	37	
NC-Z-1H	135,200	5	2	2	15	15	15	40-60	29	38	40	
NC-Z-1V	135,200	5	2	2	15	15	15	40-60	38	33	36	
NC-B-2H	150,200	9	5	4	15	15	15	43-53	27	34	65	
NC-B-2V	150,000	9	5	4	15	15	15	43-53	34	31	66	
NC-Z-2H	270,300	9	5	4	15	15	15	43-63	29	38	76	
NC-Z-2V	270,300	9	5	4	15	15	15	43-63	38	33	72	
NC-Z-4V	540,600	15	7.5	6	20	15	15	46-66	38	33	144	

^95°F ambient air on temperature, 120°F condensing temperature. Data not to be used for product selection.

*Over range of variable speed fan. Values are for free field installation. Noise levels may vary due to installation factor.

NG

NG SERIES PERFORMANCE DATA												
Model	^Capacity (Btu/hr)	Min. Circuit Ampacity (MCA)			Max. Fuse (MOP)			*Noise Level @ 30ft. (dBA)	Dimensions (in)			Max. Fluid Flow 30% Prop. Glycol (GPM)
		230 V	460 V	575 V	230 V	460 V	575 V		Width	Height	Length	
NG-Z-11	71,500	5	2	2	15	15	15	32 / 52	38	33	36	25
NG-V-11	180,000	12	5	4	20	15	15	61 / 69	54	61	52	50
NG-V-12	360,000	24	11	8	40	15	15	64 / 72	102	61	52	80
NG-V-21	360,000	24	11	8	40	15	15	64 / 72	52	61	102	100
NG-V-22	675,000	49	21	16	80	35	25	67 / 75	96	73	100	160
NG-V-31	517,500	36	16	12	60	25	20	65 / 73	52	61	150	150
NG-V-32	1,050,000	73	32	24	125	50	40	68 / 76	96	73	148	240
NG-V-42	1,500,000	97	42	32	150	70	50	69 / 77	96	73	196	320
NG-V-52	1,875,000	121	53	40	200	90	70	70 / 78	96	73	244	400

NGs C/W Pump Kit

NG-V-11	180,000	14	6	5	25	15	15	61 / 69	60	61	52	50
NG-V-12	360,000	27	13	10	45	20	15	64 / 72	102	61	52	80

^95°F ambient air on temperature, 118°F entering fluid temperature. Data not to be used for product selection.

*First value with fan running at low speed, second value at high speed. Values are for free field installation.

Noise levels may vary due to installation factor.

“Our dream was
to design and build
our own proprietary
outdoor condensers
and fluid coolers
to deliver the ultimate
in quality, reliability
and performance
to our customers.”

Imagine

- ...Outdoor heat rejection technology engineered specifically to take advantage of Seresco's advanced control logic and pool dehumidification requirements
- ...Outdoor condensers and fluid coolers with the most advanced, ultra-quiet and energy efficient fan designs
- ...Coated outdoor condenser coils that use micro-channel technology to deliver the ultimate in corrosion resistance and maximum efficiency at lower pressure drops, with reduced refrigerant charge
- ...Compact, light-weight outdoor condensers designed to be packaged, split or even wall-mounted for ultimate convenience, while eliminating the need for roof or ground pad installations
- ...Modular V-configured fluid coolers that provide a minimum fluid pressure drop even with large volumes of fluid

*That's what we imagined
...when we created the NC and NG series.*

Premium Performance – Exceptional Efficiency

Efficient, consistent and controlled heat rejection is the heart of every cooling and condensing technology. That's why as the world leader in natatorium dehumidification technology, we decided to build our own outdoor condensers and fluid coolers.

By designing and building to Seresco's own exacting standards, we've been able to increase heat rejection performance while reducing both the size of each condenser and fluid cooler and the energy it consumes to get the job done – while actually increasing performance!

Seresco outdoor condensers and fluid coolers are more environmentally friendly, with the NC series using a small R410a refrigerant charge and the NG Series using a water/glycol mixture. Both deliver premium performance, exceptional energy efficiency and extraordinary life expectancy in a compact economical footprint.

NC

NC Series



Available vertical or wall mounted

Seresco Outdoor Condenser Advantages

COILS

- Micro-channel coils provide maximum efficiency at lower air pressure drops and lower refrigerant charges
- Coated coils for the ultimate in corrosion protection
- Designed for higher ambient conditions (100°F) without increasing condensing temperatures
- The coil does not get as dirty as traditional coils and can be easily cleaned

ULTRA QUIET FAN AND CONTROL TECHNOLOGY

- Uses the most advanced EC motorized fan technology delivering the highest electrical efficiency possible
- Fan blades are the latest quiet design from the world leaders in condenser fans
- Fans are capable of higher pressure drops and software automatically adapts fan speed to compensate for dirt loading on coils
- Seresco's control logic can:
 - take advantage of cooler weather or when the unit is in pool heating mode to provide the lowest possible operating sound level and power consumption
 - provide lower operating sound levels at night
 - deliver superior head pressure control for stable compressor and unit operation

CABINETS AND CONFIGURATIONS

- Compact, light-weight condensers can be packaged, split or even wall-mounted for ultimate convenience while eliminating the need for expensive roof or ground pad installations
- Fully painted cabinets and fan guards
- Designed to be packaged with our outdoor cabinets in a compact configuration
- Non-fused disconnect is standard
- Modular design allows for one section to run even if another is off
- Fully painted cabinets and fan guards, bases are heavy gauge G90 galvanized steel

OPTIONS

- For NC Series (up to 16 tons) a convenient wall mount option (Ideal for parking garages or places with restricted floor spaces) eliminates expensive roof or pad installations
- Available voltages are 208-240, 480, 600 VAC, single or three phase

Remote Monitoring and Control

When paired with Seresco's dehumidifiers including WebSentry® Monitoring service, Seresco outdoor condensers and fluid coolers can be monitored and controlled remotely 24/7 – in real time. Our WebSentry® remote monitoring systems even records and securely store their performance on our central servers for historical analysis.

Should maintenance be required or trouble alerts occur, WebSentry will email your designated service personnel who can have immediate, secure, remote online access to your unit. Should your service technicians require assistance, Seresco's factory service experts are ready to help.

Learn all the details and see it in action at: SerescoDehumidifiers.com/CondensersandFluidCoolers



NG Series

Seresco Fluid Cooler Advantages

COILS

- Twin 4 row coils with ½” turbo-spiral enhanced copper tubes and 0.075” sine wave fins provide maximum fluid heat rejection and durability
- NG-Z-11 uses coated, micro-channel coils for maximum efficiency and corrosion protection
- Each section is equipped with hose drain valves and air vents
- Outside coils are protected by metal screens against damage from accidental impacts and hail storms

ULTRA QUIET FAN AND CONTROL TECHNOLOGY

- Two-speed fans offer exceptional efficiency (during the majority of the cooling season fans operate at low speed with power consumption at 50% of the high speed)
- Fan blades are the latest quiet and efficient design from the world leaders in condenser fans
- Fans are capable of higher pressure drops and software automatically adapts fan speed to compensate for dirt loading on coils
- Seresco’s control logic can:
 - take advantage of cooler weather or when the unit is in pool heating mode to provide the lowest possible operating sound level and power consumption
 - provide lower operating sound levels at night
 - deliver superior head pressure control for stable compressor and unit operation

CABINETS AND CONFIGURATIONS

- The “V” configuration provides larger coils and higher airflows with the smallest footprint and weight
- Modular V configurations meet the fluid cooling capacity with a minimum of fluid pressure drop even for very large volumes of fluid
- Designed to be packaged with our outdoor cabinets in a compact configuration
- PVC ANSI raised flanges make fluid connections easy

OPTIONS

- Packaged pump kits for NG-V-11 and NG-V-12
- Unit mounted disconnects
- Coated coils for maximum corrosion protection
- Available voltages are 208-240, 480, 600 VAC, three phase (also available in single phase)



Available with packaged pump kit complete with expansion tank for split systems



WebSentry® Premium Extended Warranty

If your Seresco outdoor condenser or fluid cooler is connected to a Seresco dehumidifier with free WebSentry® remote monitoring system on startup, they are automatically covered by an extended 1-year labor warranty, on top of its 2-year parts warranty.

Conditions apply, see Warranty Statement for details

Learn all the details and see it in action at:

SerescoDehumidifiers.com/WebSentryTechnology

Renowned Industry Leading Technology & Innovation

Seresco builds each and every dehumidifier with technology and features that set the industry standard for performance, reliability and value. For applications ranging from small indoor spas to massive waterparks, we manufacture the largest, most comprehensive product line available. Compare us to the competition and you'll see instantly why we're the #1 choice for discriminating customers!



Superior System Design

Protocol Series with up to 85% Less Refrigerant Charge

- Smoothest, most stable room control in the industry
- Easiest and most cost effective installation possible
- Lowest operating and maintenance costs
- Longest lifetime expectancy of any pool dehumidifier

Ultra Compact Designs

- Twice the capacity in half the footprint (200 Series)
- Retrofit designs for on-site assembly
- Flexible cabinet designs for air supply and service access
- Packaged or split system options

Superior Compressor Performance

- Advanced refrigeration pressure monitoring and control technologies, unique to Seresco, ensure optimum compressor operation and protection



Advanced Control Systems

WebSentry® Technology

- Robust online reporting of real-time performance data
- Automated 24/7 performance monitoring
- Factory supervised startup and support via the Internet
- Automated maintenance and system alerts by email
- Browser-based and smart phone access and control

WebSentry® Premium Extended Warranty

- Unrivaled 1-year labor warranty, plus 2-year parts
(Conditions apply, see Warranty Statement for details)

CommandCenter® Control Systems

- The most sophisticated and powerful controller in the industry controlling over 100 performance parameters
- Sophisticated touch screen operator panel
- BACnet, LonWorks and Modbus connectivity

Built-In Refrigerant Pressure Transducers

- 24-7 Monitoring of critical suction and discharge pressures to ensure optimal system performance



Exceptional Energy Efficiency

Direct Driven, Backward Inclined Airfoil Plenum Fans

- Powerful, quiet, efficient, reliable
- No belts to adjust, wear out or replace
- ECM motors or VFD
- Allows for factory installed auxiliary air heating

Energy Recycling Systems

- Free pool water heating with recycled energy
- Heat recovery on exhaust air to preheat outdoor air



Maximum Corrosion Resistance

Separate Mechanical Vestibule

- Virtually all components are out of the corrosive air stream

Fully Dipped Coils

- 100% protected against corrosion

Corrosion Resistant Design, Finishes & Components



Easy to Service

Mechanical Vestibule Outside Air Stream

- On all units
- Easy to service even during unit operation

WebSentry® Remote Analysis & Control

- Instant factory analysis and service support capability via the Internet
- Detailed performance logs available online
- Service technicians have smart phone access and control

