Performance Data Sheet

LINX® 160 Drinking Water System
and
LINX Cooler Module (LCM 160)

with LINX Technology

and Dial-a-Taste® *Mineral Level Control*

Certified by WQA against NSF/ANSI Standard 53 as verified and substantiated by test data for the reduction of nitrate/nitrite.

PIONETICS
Pionetics Corporation
151H Old County Road
San Carlos, CA 94070
650-551-0250
www.LINXwater.com

05-3046-A

System Features

The LINX 160 and LCM 160 (LINX Cooler Module) drinking water systems employ an ion exchange process which uses electricity rather than chemicals for operation. LINX technology does not release chemicals to the environment and it conserves water compared to other drinking water systems that provide similar water quality.

LINX technology provides several important benefits:

- High flow rates: up to 0.75 gallons/minute (gpm)
- Wastes 90% less water than reverse osmosis drinking water systems under typical usage conditions.
- The Dial-a-Taste control allows adjustment of product water mineral level for optimum taste.

The LINX 160 and LCM 160 drinking water systems include:

- One LINX 120 Sediment pre-filter
- One LINX 50 TDS cartridge to reduce nitrate/nitrite contaminants for improved health and total dissolved solids (TDS) for better taste.
- One LINX 120 Carbon (GAC) post-filter.
- Space for an optional third LINX 120 filter (eg. a second carbon filter)
- Operation on either 100-120VAC or 200-240VAC, with a simple connector change
- An internal leak sensor and shut-off valve
- An optional external leak sensor for monitoring remote leaks in other locations

For availability and cost to replace these items, please contact Pionetics Corporation at (650) 551-0250, or www.LINXwater.com.

Refer to the Owner's Manual for installation and maintenance requirements, user responsibility, parts and service availability, performance indicator functions, and manufacturer's limited warranty.

Specification:

Feed Water Quality:	Potable water with maximum TDS of 1000 ppm, <20 grains of hardness (340 ppm hardness as $CaCO_3$), pH 4 – 10; microbiologically safe
Feed Water Pressure:	20-100 psi (130-690 kPa)
Feed Water and Operating Temperature:	33-100˚F (1-40˚C)
Regeneration:	27 minutes
TDS Rejection (Maximum Dial):	≥85% TDS reduction
Flow Rate to Faucet (from Tank):	0.75 gpm (2.7 liters/minute), maximum
Water Output Volume per Cycle:	0-500 ppm TDS feed: 1.5 gallons (6.0 liters) per 30 min regen cycle 501-1000 ppm TDS feed: 1.0 gallons (4.0 liters) per 30 min regen cycle
Rated Capacity:	1.0 gallons/cycle (4.0 liters/cycle)
Rated Life*:	650 gallons (2500 liters) for all replaceable components: LINX 50TDS cartridges, LINX 120 Sediment filter, and LINX 120 Carbon filters
Warranted Water Output per Day:	≤25 gallons (100 liters; if product exceeds 25 gallons per day on average, the warranty is no longer valid)
Water Recovery:	0-500 ppm TDS feed: 70%; 501-1000 ppm TDS feed: 61%
Operating Voltage, Current:	100-120 VAC or 200-240VAC, 50/60 Hz
Outside Dimensions:	13 in (330mm; depth) x 6.6 in (168mm; width) x 14 in (356mm; height)

* LINX 50 TDS cartridge and LINX 120 Sediment/Carbon filter lifetimes are based on extensive testing by the manufacturer.

Specific Contaminant Reduction[1,2,3,4]

Contaminant	Maximum Allowable Concentration (mg/L)	Influent (ave. mg/L)	Effluent (ave. mg/L)	Effluent (max. mg/L)	Ave. Percent Reduction
Nitrate + Nitrite	10	34	Non-detect	Non-detect	>99%
Nitrate	10	30	Non-detect	Non-detect	>99%
Nitrite	1.0	4.0	Non-detect	Non-detect	>98%

(1) Contaminant reduction testing was performed at the minimum Dial-a-Taste setting (power setting), providing the minimum percent reduction of contaminant. When operated at a higher Dial-a-Taste setting, contaminant reduction will be greater. The EPA requirement for nitrate, nitrite and (nitrate+nitrite) is 70% reduction. Testing was performed under standard laboratory conditions. Actual performance may vary based on water quality.

(2) This system was tested according to NSF/ANSI 53 reduction of the substance listed above. The concentration of the indicated substance in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 53.

(3) Note: LINX products' performance depends upon the periodic replacement of the LINX 50 TDS cartridges, LINX 120 sediment filter, and LINX 120 carbon filter as described in the Owner's Manual.

(4) Average concentrations are the arithmetic mean of all reported influent or effluent concentrations (the detection limit value shall be used for any non-detectable concentrations). The percent reduction shall be calculated from the arithmetic mean of the influent and effluent concentrations.

Safety Precautions

- The LINX 160 and LCM 160 products must be installed, serviced and maintained by an authorized dealer to assure that they comply with state and local laws and regulations. A Supplement for Installation and Maintenance Manual is available for dealers.
- Read and follow all instructions carefully before using these LINX products.
- DO NOT open the cell lids or outer enclosure when the LINX products are powered. There is a risk of electrical shock.
- If the detachable power cord is damaged it must be replaced with a certified power cord.
- Use with cold water feed ONLY (33-100˚F; 1-40˚C), and install in the upright position only.
- DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- These LINX products are designed to operate with supply water pressure in the range of 20-100 psi (130-690 kPa). If the pressure exceeds 100 psi (690 kPa), a pressure regulator must be additionally installed.
- These products are not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Systems must be served by a GFCI outlet in Wisconsin.
- Grounding Instructions: These products must be grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electrical current. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is installed and grounded in accordance with all local codes and ordinances.

Warning: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician if you are in doubt whether the appliance is properly grounded. Do not modify the plug provided with the appliance; if it will not fit the outlet, have a proper outlet installed by a qualified electrician.