

SLS filtration equipments feature an excellent design with high quality components to offer high performance. SLS systems are designed for longest life span with minimum energy consumption. Experience greater savings with lower maintenance and operation costs when you install a ROTEK filtration equipment.



### Advantages of Clino-X Sand Filter

#### Hyper Filtration Efficiency

With filtration efficiency in the 3 to 5 micron range, Clino-X's enhanced performance results in down stream cost savings for chemicals, filter cartridges, membrane cleaning, membrane life, etc.

#### Higher Flow Rates

With nominal service flow rates up to 15 gpm/ft<sup>2</sup> in pressure filters, Clino-X allows significant savings in initial equipment costs when compared to traditional medias. Clino-X allows for peak flow rates up to 20 gpm/ft<sup>2</sup>.

#### Superior Water Clarity

Traditional sediment filtration media rely on mechanical straining to remove suspended solids for turbidity reduction. Clino-X filtration media incorporates straining as well as ion exchange, sedimentation and flocculation to produce crystal clear water down to < 0.1 NTU of turbidity.

#### Water Savings

The loading capacity of Clino-X media is up to 1.5 times greater than multi-media and up to 2.8 times greater than sand filters. This results in longer run times with less frequent backwashing, resulting in significant water savings.

#### Lightweight Media

Weighing 50-70% less than traditional medias, using Clino-X will result in substantial freight savings.

### Product Description:

Clino-X is excellent as a water treatment filter. It can be used for commercial and home installations. Swimming pool filters are an especially useful application. Depending on requirement for particulate removal, Clino-X can be either substituted for sand, or used in conjunction with sand. The filter material can be disposed of readily in any outdoor location without harm to the environment, or back flushed in place with salt water. Clino-X is ideal for waste water treatment. It is the material of choice for removal of ammonium, lead and many heavy metal ions.

### Physical Filtration + Surface Adsorption + Chemical Capture

Macro Filtration + Micro Filtration + Ion Exchange

- **>95% Reduction in Turbidity, SS & SDI**
- **Removal of heavy metals**
- **Removal of bad tastes**
- **Control of odours**
- **Reduction in B.O.D & C.O.D.**
- **Softens water**
- **Decreased staining**

The main advantage of Clino-X over sand is that it produces a cleaner, safer, higher quality water. It will, unlike sand, additionally bind and remove contaminants such as ammonia and (N), and when finished the Clino-X in most cases can be applied as a "slow release" fertilizer for gardens, agriculture and horticultural use. Clino-X is lighter than sand making it easier to backwash, plus the physical structure of the processed granules is much blockier and angular shaped, making it pack better in the filter bed and allowing increased rates of filtration.

### Specifications:

Model	Media Volume	Designed Flow Rate		Control Valve	In/Outlet	Tank Dimension
CNX-1035	30 Liters	5.5GPM	17LPM	5600FT	3/4"	10" x 35"
CNX-1054	50 Liters	6.6GPM	25LPM	5600FT	3/4"	10" x 54"
CNX-1354	70 Liters	11GPM	42LPM	5600FT	3/4"	13" x 54"
CNX-1465	100 Liters	13.5GPM	50LPM	WS1-TC	1"	14" x 65"
CNX-1665	120 Liters	20GPM	75LPM	WS1-TC	1"	16" x 65"
CNX-1865	150 Liters	21.5GPM	80LPM	2850FT	1-1/2"	18" x 65"
CNX-2162	200 Liters	24GPM	92LPM	2850FT	1-1/2"	21" x 62"
CNX-2472	300 Liters	36GPM	137LPM	2850FT	1-1/2"	24" x 72"
CNX3672	600 Liters	71.5GPM	270LPM	170	2"	36" x 72"
CNX-4872	1200 Liters	119GPM	450LPM	170	3"	48" x 72"



Clino-X Media  
0.5 - 1.5mm



Small Gravel  
3 - 8mm

### Product Material:

**Control Valve:** Fleck / Clack / Autotrol/ Manual.

**Tank:** glass-fiber reinforced polyethylene.

**Treating material:** Clino-X + Small Gravels

**Distributor:** PE

### Working Conditions:

Max working pressure.....6 BAR

Min working pressure.....2 BAR

Max working temperature.....50°C

Raw water source and quality is the key element that directly effect on the choice of filtration equipments. SLS is a worldwide leader in the residential and commercial water treatment industry. Our mission is to become the most customer-conscious, highest quality, lowest-cost producer in our industry. Please don't hesitate to send us your inquiry and see how SLS can help to meet your water treatment needs.

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