

## Clino-X Sand Filter

### *Iron/Manganese/Arsenic Removal*

ROTEK Auto-control Filter with Clino-X Sand as filtration media excels in design and utilizes high-quality components for exceptional performance. Engineered for longevity and energy efficiency.

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 the 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 wastewater treatment. It is the material of choice for the removal of ammonium, lead, and many heavy metal ions.

## Advantages

- **Hyper Filtration Efficiency** - Clino-X Sand Filter offers enhanced performance with filtration efficiency in the 3 to 5 micron range, leading to cost savings for chemicals, filter cartridges, membrane cleaning, and membrane life.
- **Higher Flow Rates** - Clino-X allows for nominal service flow rates up to 15 gpm/ft<sup>2</sup> in pressure filters, resulting in significant savings in initial equipment costs compared to traditional media.
- **Superior Water Clarity** - With peak flow rates up to 20 gpm/ft<sup>2</sup>, Clino-X combines straining, ion exchange, sedimentation, and flocculation to produce crystal-clear water with turbidity as low as < 0.1 NTU.
- **Water Savings** - Clino-X has a loading capacity up to 1.5 times greater than multi-media and up to 2.8 times, resulting in longer run times and less frequent backwashing, leading to significant water savings.
- **Lightweight Media** - Weighing 50-70% less than traditional media, Clino-X offers substantial freight savings.
- **Environment Friendly** - Unlike sand, Clino-X can bind and remove contaminants like ammonia and (N), and after use, it can often be applied as a "slow release" fertilizer for gardens, agriculture, and horticultural purposes.

Clino-X Sand



## Specifications

Model	Media Volume	Flow Rate	Control Valve	In/Outlet	Tank Dimension
CNX-1054	50L	1000LPH	F67P1	1"	10" x 54"
CNX-1354	70L	2000LPH	F67P1	1"	13" x 54"
CNX-1465	100L	3000LPH	F67P1	1"	14" x 65"
CNX-1665	120L	4000LPH	F67P1	1"	16" x 65"
CNX-1865	150L	5000LPH	F134A1	1.5"	18" x 65"
CNX-2162	200L	6000LPH	F134A1	1.5"	21" x 62"
CNX-2472	300L	8000LPH	F134A1	1.5"	24" x 72"
CNX-3672	600L	15,000LPH	F75B1	2"	36" x 72"
CNX-4872	1000L	25,000LPH	F112B1	2.5"	48" x 72"

### Clino-X<sup>Sand</sup>



Clino-X Media  
0.5 - 1.5mm



Silica Sand  
0.1 - 0.7mm



Small Gravel  
3 - 8mm

### Product Material:

**Control Valve:** Auto-control / Manual  
**Tank:** Glass-fiber reinforced polyethylene  
**Treating material:** Clino-X + Silica Sand  
 + Small Gravels

### Working Conditions:

Max working pressure 6 BAR  
 Min working pressure 2 BAR  
 Max working temperature 50°C

## Clino-X Sand

*Physical Filtration + Surface Adsorption + Chemical Capture*  
*Macro Filtration + Micro Filtration + Ion Exchange*

## Advantages

- >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
- Environment Friendly