



KL

ADVANTAGE:

Filtration Of

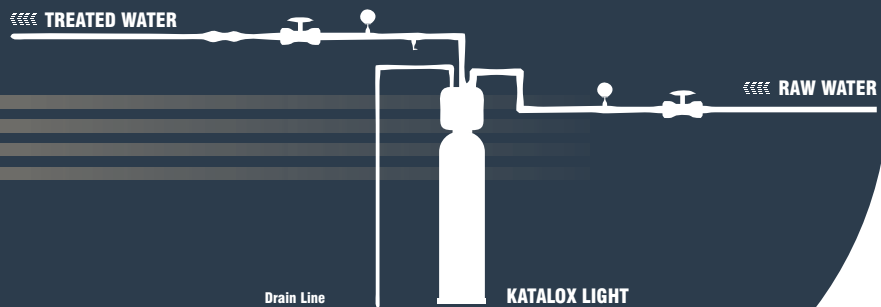
- Less than 3 micron
- Suspended solids
- Sediments
- Turbidity
- Organics
- Color
- OdorZ



KATALOX LIGHT® is a new brand of revolutionary advanced filtration media completely developed in Germany. It's composition simply makes it outstanding against the contemporary filter media available in water treatment industries, like sand, BIRM, Greensand Plus, Manganese Greensand etc. **KATALOX LIGHT®** is manufactured in Germany.

REMOVAL OF

- Iron
- Manganese
- Hydrogen Sulfide
- Arsenic
- Radium
- Heavy Metals
- Radio nuclides



ADVANTAGE:

- High content MnO₂ coating (10%)
- Very High Surface Area
- Contains NO Crystalline Silica
- Light Weight - providing significant savings on backwash water
- Higher Filtration rates
- Filtration of sand, sediment and suspended solids, down to 3 micron
- High efficiency removal capacity of Iron, Manganese and Hydrogen sulfide
- Effective reduction of Arsenic, Zinc, Copper, Lead, Radium, Uranium, radio nuclides and other heavy metals
- Media replacement every 7 - 10 years
- No disinfection by-product
- No mandatory KMnO₄, chlorine or chlorine dioxide dosing
- Low operational costs
- Unique product, unmatched by our Competitors

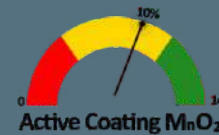
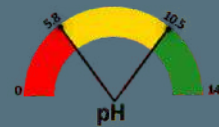
THE FUTURE:

The future of water treatment, as we see it, is going to give us more difficult challenges and we all need more advanced and robust products.

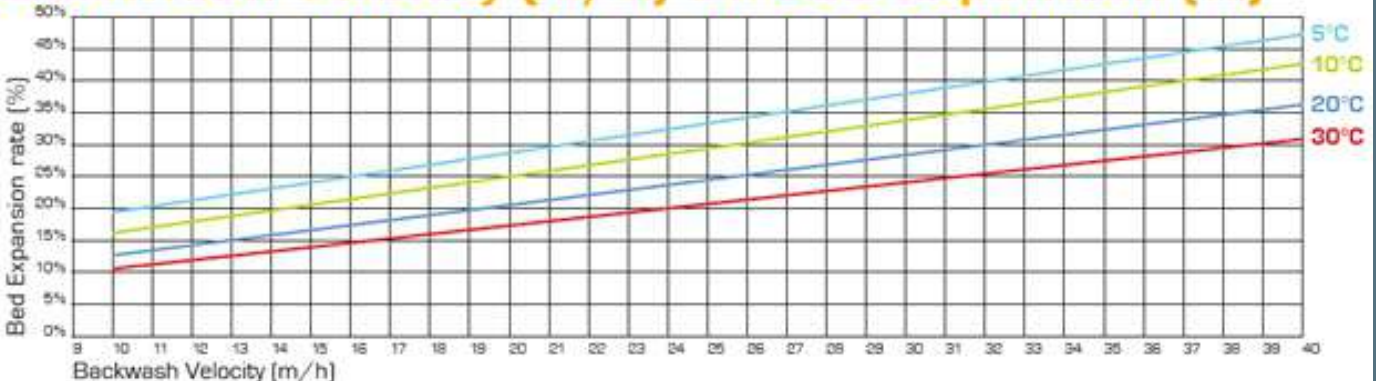
KATALOX LIGHT® can be addressed for advanced concepts like Water Reuse, Controlled Adsorption of Arsenic and Heavy Metals, advanced Membrane pre-treatment, Zero-Discharge Cooling tower etc.

PHYSICAL PROPERTY

Appearance	Granular black beads
Odor	None
Mesh Size	0.6 to 1.4 mm
Bulk Density	1060 kg/m ³
Filtration	< 3 Micron
pH Tolerance L	
Operating Condition	
pH	5.8 to 10.5
Free Board	50 %
Service Flow	10- 20 m/h
Backwash Velocity ***	25 -30 m/h
Backwash Time	10 – 15 Min
Rinse Time	2 – 3 Min



Backwash Velocity (m/h) vs. Bed Expansion (%)



User Information

- Proper start-up is crucial for the normal operation of the product. User needs to calibrate the equipment and instrumentation's and check raw water quality before the operation to ensure all the parameters have reached the predetermined or required level during commissioning or after long-term shutdown.
- The product should not be frozen or exposed to sunlight for long time under any circumstances as it would cause irreversible damage to the product. Anti-freezing solution needs to be used, if necessary to ensure transportation safety in harsh weather conditions.
- Users should follow each step and procedure on user's manual, any unauthorized design or improper use without written consent of Pure N Safe Water Technologies Pvt. Ltd. would invalidate the warranty.
- In case of poor water quality, the flow to be treated, should be increased slowly to match the setting. We suggest 50% of the designed capacity and 2-24 hours operation initially, in particular for wastewater treatment.
- For further information, please refer to User's Manual

