

# Katalox-Light Plus

Katalox-Light Plus is a catalytic filter media that's produced from Magnesium Oxide and Manganese Dioxide.

It is known having manganese in drinking water means also having iron in water. Removal of iron is much easier compared to difficulties involved in removal of manganese. All conventional manganese coated materials can remove iron but not manganese itself. Removal of manganese is almost impossible without raising the pH. No media in the market can increase pH other than Katalox-Light Plus. However it is clear that Katalox-Light Plus is the only process and more effective which makes possible to remove both iron and manganese together in one step.

### Physical Properties:

Appearance		Black uniform beads
Odor		None
Mesh size	US	14 x 30
	SI	0.6 - 1.4 mm
Uniformity Coefficient		≤ 1.5
Bulk weight	US	97.4 lb/ft <sup>3</sup>
	SI	1.55 - 1.56 ton/m <sup>3</sup>
Moister Content		<0.5% as shipped
Removal Capacity	for Fe <sup>2+</sup> alone	3000 mg/l 85000 mg/ft <sup>3</sup> (aprx)
	for Mn <sup>2+</sup> alone	1500 mg/l 42500 mg/ft <sup>3</sup> (aprx)
	for H <sub>2</sub> S alone	500 mg/l 14000 mg/ft <sup>3</sup> (aprx)

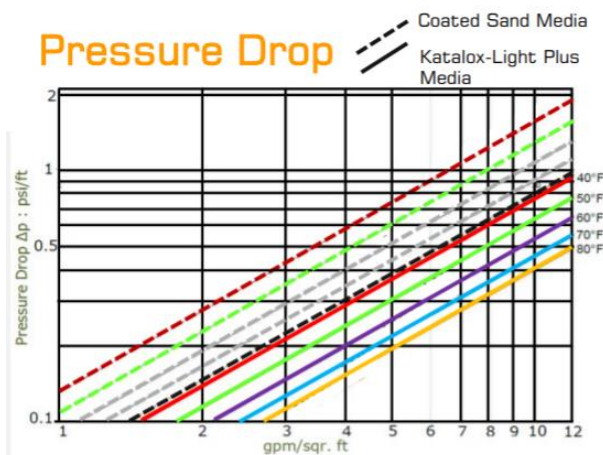
### Purest filtration process ever

*A combined process for simultaneous removal of iron and manganese is summarized as follows.*

- Addition of oxygen
- No Chlorine
- No KMnO<sub>4</sub>
- No Disinfection byproducts

*The addition of Oxygen into the water rapidly kills bacteria and viruses, reducing COD and BOD.*

*This process also eliminates the hydrogen sulfide completely.*



The granulated form makes it ideal for applications demanding uniformity and less pressure-drop. Katalox-Light Plus is very effective at higher differential pressures than any media in the industry. Less pressure drops can provide longer runtime and that means less backwashes and less wastewater that sums up in great savings.