



## WIND CARTRIDGES

Cation-exchange Catalon thread is intended for removal of heavy metals (lead, copper, cadmium, mercury), iron compounds, organic cation exchangers (dyes, surfactants)



## PITCHER CARTRIDGES

Fibrous structure of Catalon material has a high sorption rate and allows to effectively use whole cartridge capacity, guaranteeing lack of tunnel effect. Working together with ion-exchange resin and granular activated carbon, Catalon material provides effective iron, heavy metals, chlorine and organics removal and improves water taste and colour.

Capacity up to 350 L



## OTHER

We offer cartridge manufacturers the source material in the form of Cationite or Anionite



# GEYSER

water filters

UNIQUE  
FILTERING MEDIA

## CATALON



## REMOVAL OF

MANGANESE ■ ZINC ■ COBALT ■ NICKEL ■ MERCURY  
MOLYBDENUM ■ CHROMIUM ■ VANADIUM ■ TUNGSTEN  
IRON ■ COPPER ■ LEAD ■ CADMIUM ■ ARSENIC

# CATALON

Catalon is a polymeric fibrous ion-exchange filtering material (modified polyacrylonitrile), which is able to bind both cations and anions and form consolidated compounds as a result of heavy metals ions adsorption.

## ADVANTAGES



Fe (Catalon) is certified in USA by IAPMO

Treated water temperature up to 60°C

High sorption rate

Effective Reduction of contaminants (up to 99%)

## CATALON'S CAPABILITY OF HEAVY METALS SORPTION

Contaminant	Inlet concentration (ppm)	Amount of sorbed substance*	Reduction (not less than, %)
Iron	2	50	85
Copper	1	55	90
Lead	0,2	95	97
Cadmium	0,1	55	93
Arsenic	0,15	3	96

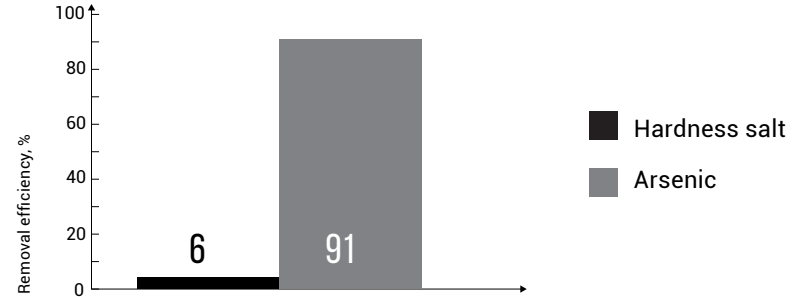
\* Maximal sorption of contaminants (mg) by Catalon material (measured in grams).

Catalon is also able to remove (at pH 5,6) the following contaminants:

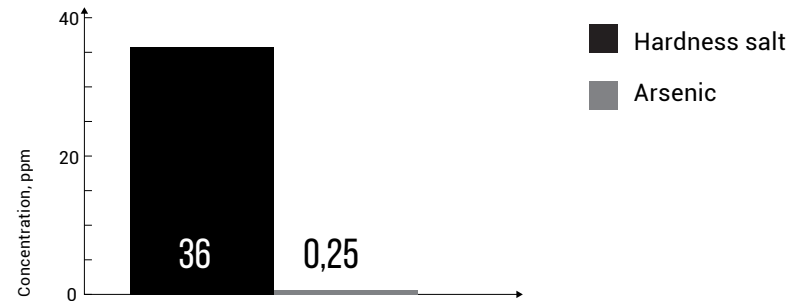
MANGANESE ■ ZINC ■ COBALT ■ NICKEL ■ MERCURY

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## PURIFICATION OF ARSENIC BY CATALON 150



## REFERENCE WATER COMPOSITION



## CATALON UNIQUE FILTERING MEDIA

- Maintains natural mineralization level.
- Safe to use in potable water treatment systems.
- Easily combined with another filtering media (activated carbon) for complex water purification.