

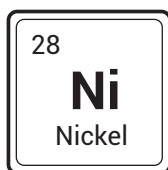
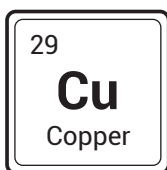
METALICAPT®

Regenerable wound cartridges

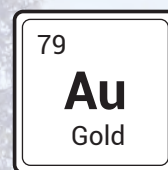
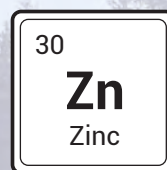
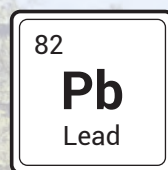
Removal of dissolved metals
from industrial effluents



HEAVY METAL CAPTURE PRECIOUS METAL RECOVERY



Surface Treatment Baths
Neutral - Basic - Acidic



Groundwater
Rainwater

Gold Plating Bath
Mining Effluents

AGRICULTURE

Removal of nitrates and certain pesticides
Runoff water treatment
Fixation of fertilizing substances

CHEMISTRY

Removal of dyes
Removal of corrosive compounds
Purification of organic acids
Separation of biomolecules
Separation of inorganic ions

CATALYSIS

Supported Acid Catalyst
Solid Surface for Catalyst Immobilization
Recovery or Removal of Metals

NUCLEAR MEDICINE

Extraction of iodine-131 from biological samples,
urine, and hospital effluents

Filtration media: ion-exchange fibers

METALICAPT®-B, METALICAPT®-D

Heavy Metal Capture : Cu(II), Ni(II), Zn (II), Pb(II), Cd(II), Co(II), Sr(II), Cr(III), Fe (II) etc.

METALICAPT®-H

Removal of nitrates and corrosive acid compounds

METALICAPT®-P

Recovery of gold, silver

Reduction of storage volumes
for polluted effluents

No discharge of heavy metals
into the natural environment

METALICAPT®

Regenerable wound cartridges

Removal of dissolved metals
from industrial effluents



METALICAPT® ENABLES USERS

- to have industrial liquid discharges compliant with standards
- to anticipate future regulatory thresholds
- to maintain effluent discharges in a natural environment

METALICAPT® is composed of ion-exchange fibers, possessing high mechanical resistance, for a wider range of applications than ion-exchange resins.

TECHNICAL SPECIFICATIONS

- Lengths : 9"3/4; 20"
- Flow rates (at 2 bar): 0.7 - 1 m³/h for 9"3/4; 1.5 - 2 m³/h for 20"
- Maximum pressure : 8 bar
- Dimensions of diameters : outer 118 mm; inner: 28 mm
- Compatible with standard water treatment station filter housings
- Pre-filtration of microparticles recommended
If necessary, clean the cartridge microparticles by rinsing with hot water at 90 °C.

REGENERATION

- The wound cartridge is reusable
- Regeneration of cationic fibers (MFB, MFD) is carried out with 2 BV (20 l max) of 2M HCl acid and conditioning with 2 BV of 1M NaOH
- Regeneration of anionic fibers (MFH) is carried out with 2 BV (20 l max) of 2M NaOH and conditioning with 2 BV of 1M HCl or NaCl 1M
- **Contact AJELIS team for optimization of these protocols for your specific cases**

Optional supplies: fitting(s), support(s), housing(s) for cartridges.

A personalized study can be conducted by AJELIS to meet your needs and provide you with the best service for your effluent pollution issue.