



Product Data Sheet

HIX2-Nano100

HIX2-Nano100 is a hybrid anion exchanger doped with a mixture of hydrated iron oxide and zirconium oxide nanoparticles. HIX2-Nano100 resin is suitable for selective removal of dissolved arsenic (both arsenate and arsenite) present in contaminated waters from the background of other competing ions usually present in much higher concentrations. The parent resin has macroporous structure with polystyrene matrix and divinylbenzene crosslinking. HIX2-Nano 100 is a robust, durable, high capacity* sorbent media that efficiently reduces arsenic in treated water to levels recommended by World Health Organization (WHO). The media is regenerable, can be used for multiple cycles without losing its performance and thereby greatly reducing the cost of treated water.

Physical & Chemical characteristics:

Appearance	Spherical beads, brown/ dark brown
Structure	Macroporous polystyrene beads
Particle size	0.3 – 1.2 mm
Approx shipping wt.	700 – 780 g/L
Temperature limit	60 °C

Application and Bed features:

HIX2-Nano100 offers a significantly high capacity for arsenic sorption working in combination with HIX-1 Nano100 variety.

Recommended contact time [#]	1.5 – 3.0 min
Service flow	Intermittent / Continuous
Backwash	Occasional
Operating pressure	20 – 75 psi

Safety:

WIST as a part of its service program strongly recommends replacement of exhausted media (HIX-2 Nano100) by fresh/ regenerated media for safe, environment friendly handling and disposal of arsenic laden waste.

- Peer-reviewed publications, reference available in www.drinkwellsystems.com
- Quantity to be carefully selected based on the water quality & intrinsic process features