

INDION® RS-F

Resin Selective for Fluoride

Description

INDION RS-F is an ion exchange resin designed to selectively remove fluoride from potable water and industrial waste water*. INDION RS-F performs well, even in the presence of common anions such as chlorides, sulphates.

INDION RS-F can treat potable water having fluorides up to 10 ppm maximum. For optimum performance the influent water should have characteristics TDS as <1200 ppm for ground water treatment. Organics – Nil, Total Suspended solid < 5 ppm. Heavy metals < 0.5 ppm.

Characteristics

Appearance	:	Opaque off-white beads
Matrix	:	Macroporous
Moisture holding capacity	:	50 - 60 %
Shipping weight **	:	800 kg/m ³ , approximately
Particle size range	:	0.3 to 1.2 mm
> 1.2 mm	:	5.0%, maximum
< 0.3 mm	:	1.0%, maximum
Uniformity co-efficient	:	1.7, maximum
Effective size	:	0.4 to 0.5 mm

Operating parameters

Maximum operating temperature	:	45° C
Operating pH range	:	6.5 to 8
Fluoride adsorption capacity	:	0.8-1 g/l
Recommended contact time	:	4.5-5 minutes
Specific service flow rate	:	10 -13 BV/h
Minimum bed depth	:	0.7-1m

* For designing of industrial waste water treatment, please contact on below address.

** Weight of resin, as supplied, occupying 1 m³ in a unit after backwashing and draining.

Packing

HDPE lined bags 25/ 50 lts LDPE bags 1 cft / 25 lts
Super sack 1000 lts Super sack 35 cft MS drums Fiber
drums with liner bags 180 lts with liner bags 7 cft

Storage

Ion Exchange resins require proper care at all times.
The resins must never be allowed to become dry.
Regularly open the plastic bags and check the condition

of the resin when in storage. If not moist, add enough
clean demineralised water and keep it in completely
moist condition. Always keep the resin drum in the
shade. Recommended storage temperature is between
20° C - 40° C.

Safety

Acid and alkali solutions used for regeneration are
corrosive and should be handled in a manner that will
prevent eye and skin contact. If any oxidizing agents are
used necessary safety precautions should be observed
to avoid accidents and damage to the resin.

INDION range of ion exchange resins are produced in state-of-the-art ISO 9001 and ISO 14001 certified manufacturing facilities at Ankleshwar, Gujarat in India.

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice.

INDION is the registered trademark of Ion Exchange (India) Ltd.

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