

# INDION® MB 6 SR (Refill Pack)

## Description

INDION MB-6 SR (Refill Pack) is a pack of a mixed bed ion exchange resins. It is a mixture of super regenerated strongly acidic cation exchange resin (INDION 223) in H form and strongly basic type I anion exchange resin (INDION GS 300) in OH form supplied in a volume ratio of 1:2.

## Applications

INDION MB-6 SR (Refill Pack) is used to produce mixed bed quality water.

### Characteristics

#### Physical

Physical form	:	Spherical beads
Shipping weight *	:	700 kg/m <sup>3</sup> , approximately
Particle size distribution	:	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	:	0.45 to 0.55 mm

#### Chemical

#### Cation resin

#### Anion resin

Matrix	Crosslinked polystyrene	Crosslinked polystyrene
Type	Gel	Gel
Functional group	Sulphonic acid	Benzyl trimethylammonium
Total exchange capacity	1.9 meq/ml	1.0 meq/ml
Ionic conversion	99 %, minimum H <sup>+</sup>	90 %, minimum OH <sup>-</sup>
Moisture holding capacity	47 - 55 %	60 - 70 %

\* Weight of resin, as supplied, occupying 1 m<sup>3</sup> in a unit after backwashing and draining.

## Packing

PVC Jars with inner liner bags	5 / 6 lts
LDPE lined bags	0.5 cft / 1 cft / 25 lts
HDPE lined bags	25 / 50 lts
HDPE drums	50 / 100 / 180 lts

## Storage

Ion exchange resins require proper care at all times. The resins must never be allowed to become dry. The drums should therefore be always kept in shade. Since

INDION MB 6 SR is supplied in highly regenerated condition, any exposure to atmospheric air must be avoided as this will convert it to the carbonate form. The resin drums should therefore be kept in tightly closed condition.

## 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 oxidising 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 facility at Ankleshwar, Gujarat.

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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