



ISO CERT NO. 160067



ISO CERT NO. 190018

FALCHEM DEIONISED WATER

DESCRIPTION:

Deionised water is high purity water that contains low concentrations of dissolved contaminants. Deionised water produced by chemitreat deionizer contains less than 1ppm (parts per million or milligram per liter) of dissolved solids. This deionised water is suitable for use in low and high pressure boilers.

PRODUCTION OF DEIONISED WATER:

Normal tap water contains 50 to 250ppm of dissolved solids. While this is ptable for domestic purposes, it is not suitable for most industrial applications where contamination must be controlled as a low level. For example, in marine and industrial boilers, it is necessary to use water with low concentration of dissolved solids so t minimize scaling problem.

Chemitreat deionizer is used in the production of deionised water. This deioniser contains a mixture of cationic and anionic ion exchange resins. As tap water enters the deionizer, a process of ion exchange takes plase. Dissolved solids in the tap water are exchanged with the hydrogen and hydroxyl ions from the ion exchange resins, hence forming deionised water.

TYPICAL PHYSICAL PROPERTIES

Color : Colorless
Specific gravity (25°C) : 1
Flash Point : >Not applicable

ANALYSIS OF CHEMITREAT DEIONISED WATER:

<u>TEST</u>	<u>RESULT</u>
Cu,Fe	Not detected
Cl,So4	Not detected
Silica	Less than 0.1 ppm
pH	about 7.0 ± 1.0
Supply rate :	1hour.....5 metric tons of deionised water

Parameter conductivity	Unit	Specification
Minimum	µs/cm	0.063
Maximum	µs/cm	0.10

Remarks: The above specification for conductivity is measured on-line without contact with air.



ISO CERT NO. 160067



ISO CERT NO. 190018

SAFETY AND HANDLING

HANDLING	Handle with care. Store in dry, cool and well ventilated environment.
SAFETY	IMMEDIATE ACTIONS
Eye Contact	N.A
Skin Contact	N.A
Inhalation	N.A
If Swallowed	For industrial use only. Not recommended for human consumption
General instructions	Avoid spillage, splashing and mishandling.

PACKING SIZE: 200 LITERS PAIL/DRUM

Read the Material Safety Data Sheet before using this product

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or product label.

ENERCHEM (S) PTE LTD (Manufacturer of trademark FALCHEM®) of or any subsidiaries or associated companies warranties of merchantability and competence, if any, along with any expressed warranties concerning this merchandise, shall not be actionable or pertinent or effective if goods is used contrarily or differently to the directions herein and in no other way may due to impending hazards from inappropriate use of the good explained herein. Merchants might vary insubstantially depending on country of origin. The information provided concerning merchandise is exclusively presented to the customer.