



DATA SHEET

PROJECT: **750 NEI**

WATER SOFTENER

SPC. No.

DATE OCT 2020 Sh. 1 of 1

PLANT Chlorine Caustic Soda Plant

DESCRIPTION	GENERATE SOFT WATER	ITEM NOD2701N
SERVICE	SOFT WATER GENERATOR FOR USING AS COOLING	Q.ty 1
	WATER MAKE UP AND BOILER FEED WATER	P&ID N° -
LOCATION	OUTDOOR	

SPECIFICATIONS

Type	Ion Exchange Resin Bed	
Inlet water maximum flow rate	30	m3/h
Inlet water average flow rate	25	m3/h
Softened water recovery ratio	min. 0.95	
Inlet water hardness	500	ppm as CaCO3
Allowable outlet water hardness	max.40	ppm as CaCO3
Inlet water Conductivity	1200	micros/cm
Service time of each column	24 h **	
Regeneration time	*	
Regeneration solution	Saturated Water-NaCl solution	
Min. Inlet water temperature	4	°C
Max. of ambient temperature	40	°C
Water pressure drop	*	Bar
Inlet water pressure	3.5	Bar

REMARKS:

* To be defined by manufacturer

** Between two Regenerations

0	Issue for order	M. MORADI	O. KARIMI	OCT.2020
Rev.	Description	Drawn.	Checked.	Date