

تاریخ : ۱۴۰۴، ۲/۱۱

شماره :

BAREZ INDUSTRIAL GROUP (Public Corporation)

No. 103.West Hoveizeh St.,Sohrevardi Ave .,P.O.Box:15875-3711,Tehran,I.R.Iran
 Tel: +98(21)88766721-4 , Fax:+98 (21)88767155 , Postal Code : 15536-16411

Specification of RO system		
BAREZ SPECTIFICATION		page 1 of 2
Specification of feed water		
1	Q (m3/h)	30 m3 from the existing RO reject + well water
2	TDS (mg/L)	4000
3	EC (μS/cm)	8000
4	pH	7.8
Specification of permeate		
5	PH	7
6	Q (m3/h)	35
7	TDS (mg/L)	≤50
8	EC (μS/cm)	≤100
9	TH (ppm)	0
Specification of system		
10	Recovery (%)	85
11	Flux (LMH)	≤30
12	Pass	2 pass (Double RO)
13	Number of Vessel	6 Pieces for pass 1 / 5 Pieces for pass 2
14	Number of Elements (Membrane)	72
15	Total recovery of system	0.85
Brand		
Equipment	Brand	
16	Feed pump	Ebara
17	High pressure pump	Ebara / Grundfos
18	UPVC Piping	Cepex /Fip/CH/PIM
19	Steel piping	Taiwan brands
20	Steel flange	Iranian brands
21	FRP Vessel	Palvin / Gm / Winder
22	Membrane	Hydranautics / Dupont
23	Cartridge filter	Big one
24	Sand filter / Carbon filter Tank	FRP
25	Silice and carbon	Iranian brands

تاریخ : ۱۱/۲/۱۴

شماره :

BAREZ INDUSTRIAL GROUP (Public Corporation)

No. 103.West Hoveizeh St.,Sohrevardi Ave .,P.O.Box:15875-3711,Tehran,I.R.Iran

Tel: +98(21)88766721-4 , Fax:+98 (21)88767155 , Postal Code : 15536-16411

Specification of RO system		
BAREZ SPECTIFICATION		page 2 of 2
26	Dosing Pump	Seko / Etaron
27	Dosing tank	Polypropylene
28	Actuator	Proval
29	Pressure switch	danfoss
30	TDS Display	Seko
31	EC meter	Seko
32	Contactor, Relay	Schneider
33	PLC	Siemens-s7-1500
34	HMI	Siemens ktp1200
35	Pressure gage	wika
36	ORP meter	Seko
37	Pump Drive	Siemens
38	Level Switch	Celduc
39	Pressure Transmitter	Wika
40	flow meter	LZS
41	flushing system	Automatic
42	CIP	Automatic
43	CIP Pump	Ebara
44	CIP Tank	Polypropylene
45	Structure	Stainless steel
46	Layout	2.5m*18m


