

SPECIFICATIONS OF REVERSE OSMOSIS PLANT 12000 GPD FAISALBAD INSTITUTE OF CARDIOLOGY, FAISALABAD.

Minimum parts description should be as following


1.	PVC Filter Housing 4.5"X20"	PVC	02 Nos.
2.	Cartridge Filters 4" X20"	PPF	02 Nos.
3.	Inlet valve Auto	1.5"	01No.
4.	Vessel FRP 2X 8040	ROPV	01 No.
5.	Membrane flow rate 14 (3.2) gpm or higher	Make: USA/ EU /Japan	02 Nos.
6.	Boosters pump Multistage	Make: USA/ EU /Japan	01No.
7.	Pressure Gauges	65mm	01 Set
8.	Rejection Control valve	1"	01No.
9.	Skid Channel, Sq. pipe	MS	01 Set
10.	Piping Low Pressure	UPVC	01 Set
11.	Piping High Pressure	SS	01 Set
12.	RO Pump	SS/3 KW, Make: USA/EU/Japan	01No.
13.	Panel M.S. Powder coated	High Temperature Paint)	01 set
14.	Control (Schneider/Eq.)	Auto /Manual	01 No.
15.	Permeate TDS meter (Panel Mounted)	Create	01 Nos.
16.	Permeate Flow Meter	Glass	01 No.
17.	Rejection Flow Meter	Glass	01 No.
18.	NRV	1"	01 No.
19.	Foundation Plate for Pumps	MS	01 Set
20.	Pressure Pipe	6mm	01 Set.
21.	Pressure Nipple	6mm	01 Set.
22.	SS Socket	1/2"	01 Set.
23.	Battery Limit maximum in out		01 Meter
24.	Chemical Dosing Tank 80 L	HDPE	01 No.
25.	Chemical Dosing pumps 5L, 8bar	SEKO Italy	01 No.
26.	Membrane Cleaning System with Multistage Pump-SS		01 Set
27.	Multimedia Filter	20000 GPD	01 Set

➤ Media	Sand/Gravel
➤ Material	FRP
➤ Outer	Enamel Paint
➤ Position	Vertical
➤ Valve/Piping	UPVC

RO Plant Parameter

• Capacity Plant	12000 GPD
• Feed Water TDS	≤2000 PPM
• Recovery	60%~65%
• Rejection	35%~40%
• pH	6.0 ~6.5 Approx.
• Salt Rejection	95~99.5%
• Product Quality	+ /- 10%
• SDI	<3 well water
• Chlorine	Nil well water
• Fe	Nil well water

Note: All kind of civil work if any involved in installation of RO plant will be the responsibility of the bidder, bidder may visit the site during office hours.


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