

ECO Di-on-x Semi-Automatic Deionisers

Adept Pure Water Ltd has produced a range of **ECO Di-on-x Semi Automatic Deionisers** which offer a fast to install system with many options and standard features to make the system produce your De I Water requirements of either < 25 uS/CM or 50 uS/CM Qualities.

Some of the standard features include:

- Simplified design for low running & maintenance costs
- System Skid Mounted to offer quick and easy installation
- PLC/HMI with many built in features & alarms offering excellent operator interface
- 24 VDC control circuits
- Jumo Temperature compensated conductivity Quality Display with relays and 4-20 mA options
- Pump Contactor Built into the control panel
- Single Push Button to activate Regeneration Sequence
- Grundfos JP5 or CM Boost Pump as standard (Depends on Flow rate required)
- Press Control Unit to shut down the pump system during NO Flow situations
- Gemu Variable Weight Flow Meter as standard



- 0-100 psi Pressure Gauge as standard
- Autotrol 255 Valves for simplified and proven Service and Regeneration control
- Purolite Ion Exchange Resins
- Structural Vessels
- Flow Adjustable Service and Rinse Solenoids
- ABS Inlet and Outlet Manifolds
- Hcl Carboy Fume Scrubber and two sets of Chemical Draw Tubes supplied as part of the system
- 2.5 Hr Regeneration Cycle
- Optional Feed Water Tank can be supplied
- Feed Tank comes complete with Class A Air Gap, high and Low Level float switches
- System totally Designed and Built in the UK
- All clients can come and Witness the Pre Delivery Tests and Receive Free of Charge Training at our factory in Wellingborough
- Two Quality Options available Standard Quality and High Capacity using Strong Base and Weak Base Anion Resins
- Flow Rates from 300 – 2,500 Ltrs/Hr Available

Standard Quality 25 uS/CM Reject Point, 20 uS/CM Accept Points

Flow Rates Max Ltrs/Hr	Pressures		Quality		Chemicals		Effluent Total Ltrs
	Min Psi/Bar	Max Psi/Bar	Accept us/CM	Reject us/CM	Hcl (32%) Ltrs	NaOH (32%) Ltrs	
300	30/ 1.9	90/ 6.3	20.00	25.00	2	3	620
800	30/ 1.9	90/ 6.3	20.00	25.00	8	9	620
1,000	30/ 1.9	90/ 6.3	20.00	25.00	12	14	620
1,500	30/ 1.9	90/ 6.3	20.00	25.00	14	18	700
2,000	30/ 1.9	90/ 6.3	20.00	25.00	16	20	750
2,500	30/ 1.9	90/ 6.3	20.00	25.00	18	22	900

High Capacity 50.00uS/CM Reject Point, 40 uS/CM Accept Point

Flow Rates Max Ltrs/Hr	Pressures		Quality		Chemicals		Effluent Total Ltrs
	Min Psi/Bar	Max Psi/Bar	Accept us/CM	Reject us/CM	Hcl (32%) Ltrs	NaOH (32%) Ltrs	
300	30/ 1.9	90/ 6.3	40.00	50.00	3	2	650
800	30/ 1.9	90/ 6.3	40.00	50.00	9	7	650
1,000	30/ 1.9	90/ 6.3	40.00	50.00	13	12	700
1,500	30/ 1.9	90/ 6.3	40.00	50.00	15	15	800
2,000	30/ 1.9	90/ 6.3	40.00	50.00	17	17	850
2,500	30/ 1.9	90/ 6.3	40.00	50.00	19	19	1000

The Listed Chemical Usages and Effluent Discharges are subject to site conditions and have been provided as an example only. These are normally adjusted during System Commissioning.

Please note if Low Silica Levels are required we suggest that the water is polished further using one of our Exchange Cylinders in the I-on-x range.

For more information about ECO Di-on-x Semi Automatic Deionisers please phone:

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