

ELGA PROCESS WATER

Selectron

Water Softeners

Produce up to 4 m³/hr
of softened water



The Selectron range of water softeners produce from 0.08 to 4 m³/hr of softened water for boiler feed, glass washing and general manufacturing applications. The flexible design and programming features of the Selectron systems means that they can be easily configured to meet individual site requirements, thus providing a cost efficient, reliable and easy-to-use solution to the problems associated with hard water.

Features & Benefits

- The Selectron utilises a fully programmable and flexible microprocessor control system with an easy-to-read LCD display to provide constant system status
- Simple to program and use; softener regeneration is automatically controlled and initiated
- The advanced control systems ensure that optimum performance is achieved from the softeners, thus maximising water savings and minimising salt usage
- The control head operates on 24 Volts to ensure safe installation, operation and maintenance
- All units in the range are supplied 'off the shelf' for quick, easy and low cost installation and start up
- Proven design and materials of construction ensures operational reliability

Options

- Selectron units can be upgraded by using the same control, common to the entire range. Similarly, Timeclock systems can be easily upgraded to Watermeter operation

- Solenoid valve prevents hard water to service during regeneration (optional)
- Choice of Timeclock or Watermeter operation

Related Services

- Our AQUAservice maintenance agreements are designed to allow you to choose from our wide range of capabilities the level of support you require to meet your application, operational and budgetary needs
- Our Premium Grade tablet salt is designed for all water softeners, and recommended for those supplied by ELGA Process Water. Our salt is manufactured using the latest techniques, and under the stringent quality control requirements of ISO9001:2000. Delivery is carried out by ELGA Process Water's dedicated vehicles and drivers to ensure an efficient, economical and trouble free service

Selectron

System Performance

Selectron Model		15	30	50	80
Maximum Treated Water Flow	m ³ /hr	1.0	2.4	3.2	4.0
Optimum Treated Water Flow	m ³ /hr	0.7	1.6	2.1	2.7
Minimum Treated Water Flow	m ³ /hr	0.08	0.12	0.15	0.25
Regeneration Time	mins	24	38	56	83
Maximum Flow to Drain	m ³ /hr	0.37	0.60	0.75	1.25
Efficient Volume	m ³	0.17	0.23	0.32	0.45
Pressure Loss at Maximum Flow	bar	0.25	1.67	2.80	3.40
Salt Usage per Regeneration	kg	1.95	3.90	6.50	10.40

Volume of Softened Water per Regeneration

Selectron Model		15	30	50	80
Raw Water - Soft 100mg/l	m ³	8.20	16.50	32.50	52.00
Raw Water - Average 200mg/l	m ³	4.10	8.25	16.25	26.00
Raw Water - Hard 400mg/l	m ³	2.00	4.12	8.12	13.00

Note: volumes stated above are based on systems running at optimum flow rates.

System Dimensions, Weights & Connections

Selectron Model		15	30	50	80
Height	mm	1110	1120	1605	1577
Depth	mm	575	575	575	575
Width	mm	760	760	760	760
Recommended Headroom	mm	500	500	500	500
Approx. Shipping Weight	kg	60	70	90	145
Approx. Service Weight	kg	200	240	275	400
Inlet	inches	3/4	3/4	3/4	3/4
Outlet	inches	3/4	3/4	3/4	3/4
Drain	mm	13	13	13	13
Salt Tank Overflow	mm	13	13	13	13

Treated Water Quality

	Hardness
Selectron at Optimum Flow	<10 mg/l as CaCO ₃

Feed Water Supply Quality

Potable water free from organic contamination and suspended solids.
 Supply Pressure: min. 1.7 bar max. 8.5 bar
 Temperature: min. 5°C max. 35°C

Electrical Supply

All models 240V single phase, 50Hz.

For higher flow rate applications consult ELGA Process Water.

Material Specifications

Pressure Vessels	Composite Plastics
Control Valve	Noryl Plastic
Salt Tank	Polypropylene

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 **VEOLIA**
 WATER
 Solutions & Technologies

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