

WATER SOFTENERS



ASSET REFERENCE:		WS 1 option 1	WS 1 option 2	ION 1 option 1	ION 1 option 2
DESIGN INFORMATION	System	Process Cold Water	Process Cold Water	Process Cold Water	Process Cold Water
	No off	1	1	1	1
	Equipment Description	Base Exchange Softener	Base Exchange Softener	Ioniser	Ioniser
	Softened Water Flow Rate Max (l/s)	0.11 l/s	0.11 l/s	0.11 l/s	0.11 l/s
	Pressure Loss at Max Flow Rate (bar)				
	Daily water usage (typical)	2,000 l	2,000 l	2,000 l	2,000 l
	Raw Water Total Hardness (mg/litre CaCO3)	500 mg/l	500 mg/l	500 mg/l	500 mg/l
	Softened Water Total Hardness (ppm CaCO3)	<10	<10	<10	<10
	Resin vessels	1 no.	1 no.		
	Resin (L)	85 L	30 L		
	Brine Tank	1 no @ 400 litre	-200 litre		
	Pressure range (min/max - Bar)	2.0 - 8.65	1.7 - 4.76		
	Max Water Temp (degC)	38 degC	49 degC	38 mins	38 mins
	Salt Storage (Kg)	320 kg	91 kg		
	Regen Cycle Time (mins)	90 mins			
	Regen Cycle Salt Usage (Kg)	5.5 kg	1.7 - 5.3 kg		
	Water used per regeneration m3	0.57 m3			
	Water Inlet Pressure (bar)	5.0 bar	4.5 bar	5.0 bar	5.0 bar
	Metered	Yes	Yes	Yes	Yes
	Connection Sizes	50 mm	25 mm	15 mm	Connection tube -20mm
Size (L x W x H)	1700 x 700 x 1850mm	464 x 464 x 1280mm		230mm diameter	
Weight		55 kg		18 kg	
Working Pressure (bar)	5.0 bar	5.0 bar	5.0 bar	5.0 bar	
Comments	Simplex unit c/w controls	C/W controls & PRV to 4.5 bar	C/W controls. Total output 0.2 l/s of alkaline ionized water and 0.02 l/s of acidic water to drain	C/W controls: P1/50: analog conductivity meter for wall mounting	
LOCATION	Building Name	Example Name	Example Name	Example Name	Example Name
	Building Reference	Example Reference	Example Reference	Example Reference	Example Reference
	Floor	Ground	Ground	Ground	Ground
	Grid Ref (x-y) coord				
	Room Name	Boiler Room	Boiler Room	External Plant Area	External Plant Area
INSTALLATION	Manufacturers Name	Tapworks® Water Softeners Mill Road Stokenchurch High Wycombe Bucks HP14 3TP Tel: 01494 480621 Fax: 01494 484396	Tapworks® Water Softeners Mill Road Stokenchurch High Wycombe Bucks HP14 3TP Tel: 01494 480621 Fax: 01494 484396	Envirolyte Industries International Ltd. Tallinn, Estonia Tel: +372 6626630 Fax: +372 6626631 e-mail: envirolyte@envirolyte.com	Siemens Water Technologies Fahrenberg 8.22885 Barsbuttel Germany Tel +49 40/6 70 868 6 Fax +49 40/6 70 868 44 globallab.water@siemens.com
DATA	Model /Type	PA 102	Northstar NSC 40 UD1	ECO-800	SG-2000
	Serial No				
	Installation Date	2014	2014	2014	2014
	Life Expectancy (yrs)				
	Initial Value (£)				
ELECTRICAL DATA	Electrical Supply	240 v 1 ph	24v via transformer	241 v 1 ph	241 v 1 ph
	Power (W)	<100	<100		

Looks more commercial but more expensive