

ProEconomy

orca | KB1 Unit

SPECIFICATION SHEET



THE
KB1
2 POD
5-100 litres
per minute

Number of silver pods	1
Number of copper pods	1
Pipe size	1.5 inch
Water Pressure	9 bar (can be tested higher)
Width	948mm
Height	1387mm
Depth	131mm

Features

Touchscreen	✓	Making the system very user-friendly
Anti – scaling technology	✓	Proprietary software that reduces scale build up on the electrode surface
Customizable pod spacing for differing water qualities	✓	3D printed pod inserts allow for pods to be physically customised according to water quality.
BMS compatible	✓	Modbus BMS
Auto adjusting pods	✓	Proprietary software adjusts electrode current according to various factors including the wear of the electrodes.
Ongoing microbiological and engineering support	✓	Headed up by Dr Birgitta Bedford, the ProEconomy client relations team monitor all systems and results, attend water safety groups and offer advice and guidance.
Bleed values for system sampling	✓	Post electrode bleed valve for sample analysis.
Silver electrodes	99% pure	
Copper electrodes	99% pure	
Proportional ionisation	✓	Ionisation is proportional to flow
High quality WRAS approved flow meter	✓	Accurate flow meter is crucial to operation
Bypass valves for system maintenance	✓	Allows the system to be bypassed for easy maintenance.
Pressure tested	✓	Independently pressure tested at 9 bar before the system is shipped.
240 Volt standard spur	✓	
Internet connection	Ethernet, Wifi, LAN	Numerous connectivity options.
Pressure drop across the system	None	



BY APPOINTMENT TO
HER MAJESTY THE QUEEN
WATER TREATMENT SERVICES
PROECONOMY LIMITED
MILTON KEYNES

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Features continued...

Results analysed by independent UKAS approved laboratory	✓	All results are analysed by an external independent UKAS approved laboratory
Self-diagnostic fault detection	✓	If a problem is detected the system will either try and clear it or, if it can't, will shut down and transmit an error message.
Low-flow software	✓	Low water flow rates can increase the rate of scaling to very high levels. Software developed by and unique to ProEconomy counteracts this very effectively.
Multiple ionisation legs.	✓	On bigger systems - if one pod fails the others are programmed to take up the load.
Overload detection and safe mode operation.	✓	If the system runs at over 90% of its full capacity for more than an hour it reduces down to 10% for the next hour, preventing overheating.
Pod Cartridges cleanable on site	✓	The electrodes within the pods can be easily removed for cleaning and changing. ProEconomy are the only company that offers this functionality.
5 Year Warranty	✓	5 year warranty includes all parts and repairs. See terms and conditions.

Tetras

Online monitoring of water quality results	✓	Login and monitor water sample results from the Tetras portal
Online trending of water quality results	✓	Trend and filter water quality results over time via the Tetras portal
Online monitoring of pod usage	✓	Chart electrode usage via the Tetras portal
Downloadable results within excel workbook	✓	Export water quality data
Online system servicing log book	✓	Available via the Tetras portal
Online monitoring of sample usage	✓	Available via the Tetras portal
Online feedback and communication system	✓	Available via the Tetras portal
Online system maintenance scheduling	✓	Available via the Tetras portal
Online real-time operational coverage	✓	Available via the Tetras portal
Online ability to change system settings	✓	Available via the Tetras portal
Online monitoring of system metrics	✓	Available via the Tetras portal. This includes water usage, system errors and system run time.
Secured desktop with password protected login	✓	Tetras is designed with security in mind
Pressure drop across the system	None	

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Compliance

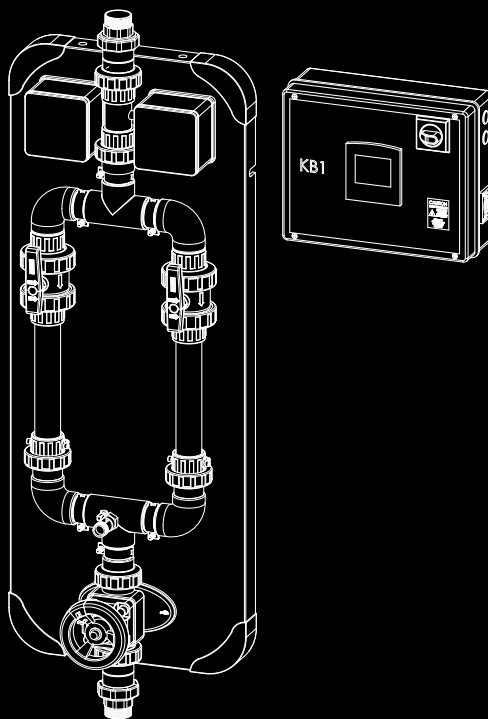
WRAS approved	✓
HSG274	✓
ACOP-L8	✓
Founding member of the silver task force	✓
Founding member of the copper task force	✓
Article 95 listed for silver	✓
Article 95 listed for copper	✓
HTM04-01	✓
ISO 9001	✓
Legionella Control Association member	✓
Water Management Society member	✓
Construction Line & Safe Contractor certificates	✓
Products CE marked	✓

"Since installation of the Orca system we have effectively eradicated Legionella."

Kidderminster Hospital

"It's the first time, after 20 years in estates, I've come across a system that's so effective in managing your water system. It's a blessing"

Head of Operational Estates at Churchill Hospital



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