# Pro*Economy*

# orca | KB2 Unit
## SPECIFICATION SHEET

| | |
|---|---|
| Number of silver pods | 1 |
| Number of copper pods | 5 |
| Pipe size | 1.5 inch |
| Water Pressure | 9 bar (can be tested higher) |
| Width | 1500mm |
| Height | 1388mm |
| Depth | 253mm |
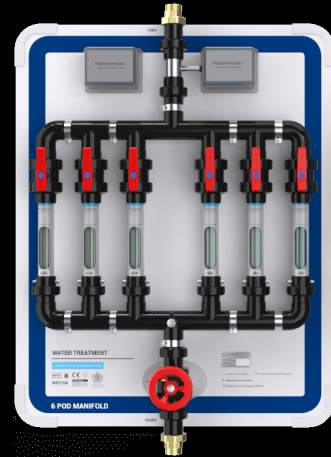


THE
**KB2**
6 POD
100-250 litres
per minute

## 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, Wifl, LAN | Numerous connectivity options. |
| Pressure drop across the system | None | |

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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 |

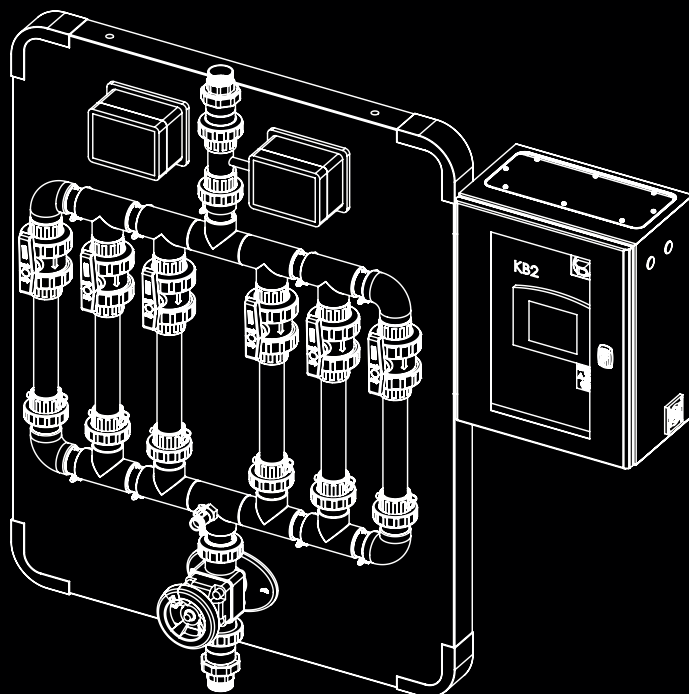# orca | KB2 Unit
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### Compliance

| | |
|---|---|
| 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 | ✓ |
| IS0 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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