



SIZES:
400, 600 & 800
LITRES

ionicsystems.com/portage



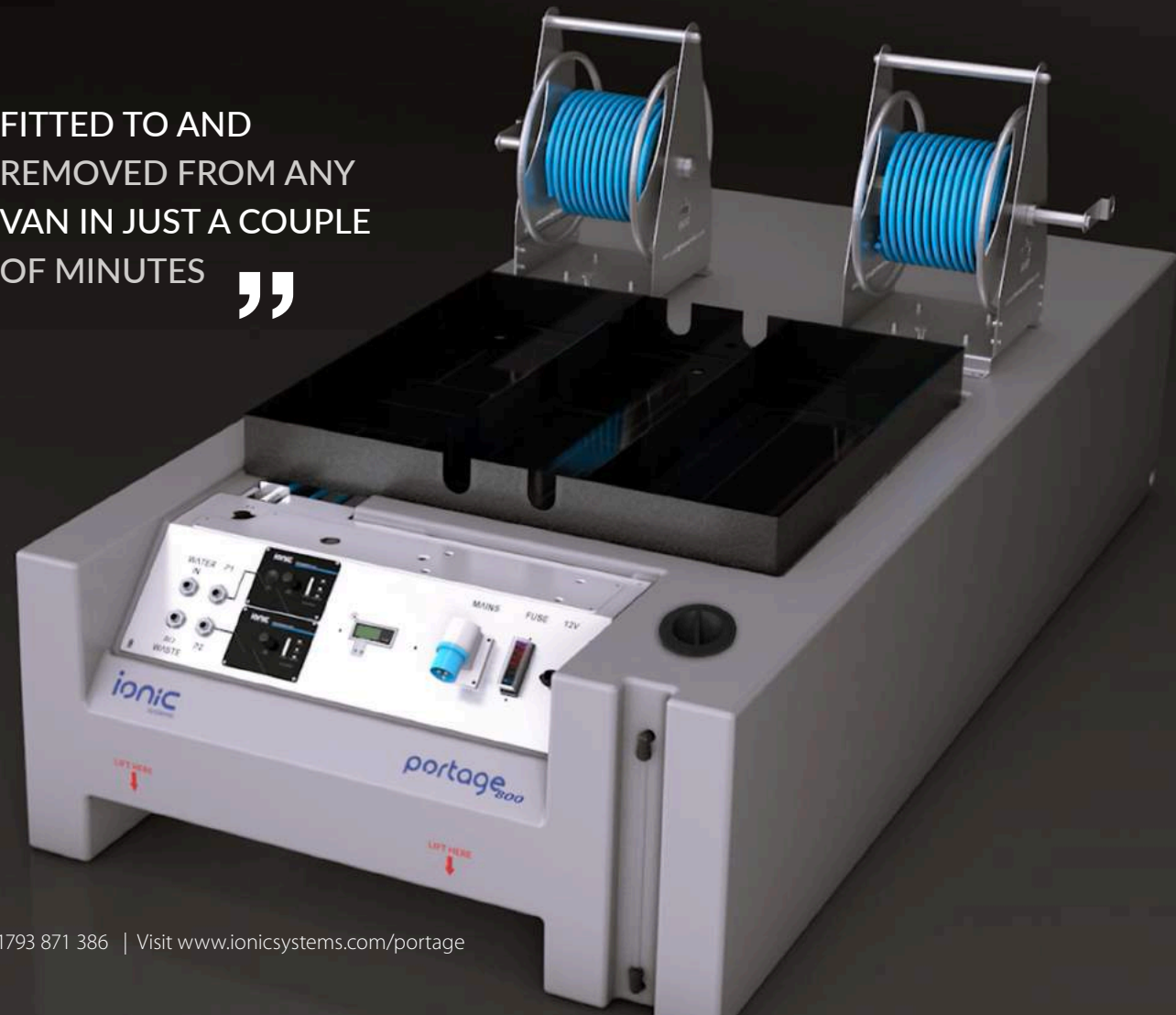
INTRODUCING
portage[™]
A DE-MOUNTABLE
TANK SYSTEM

portage™



“ FINALLY A DE-MOUNTABLE
TANK SYSTEM SO YOU
CAN USE YOUR VAN FOR
WORK DURING THE WEEK
AND FOR PLAY AT THE
WEEKEND ”

“ FITTED TO AND
REMOVED FROM ANY
VAN IN JUST A COUPLE
OF MINUTES ”



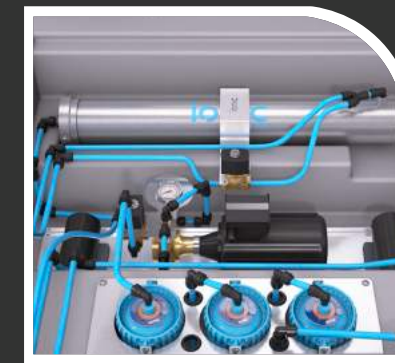
Call 01793 871 386 | Visit www.ionicsystems.com/portage

portage™

The solution for a safe yet de-mountable tank system for window cleaning has arrived in the shape of Ionic's latest product offering, the Portage™.

A low-profile tank available in 400, 600 & 800 litre capacities that can be fitted and removed to and from any van in just a couple of minutes.

Simply undo the battery quick connector, remove the mounting pin and the tank can be portaged out of your van and stored until needed for the next days work.



Four stages of filtration delivering the purest water that surpasses zero point five parts per million water quality.



“ THE UNDENIABLY VERSATILE
DESIGN COMFORTABLY FITS
A DIVERSE RANGE OF VANS &
PICK-UP TRUCKS. ”

portage™ SYSTEMS

Portage™ is available in a number of different specifications. For those who have a static pure water system or operate in soft water conditions Portage™ has a quick fill cap so it can be used as a simple delivery system with 12v pumps and DI filtration.

For hard water areas Portage™ can be configured with full RO/DI filtration with such features as Fast-fill boost pump, ROMS™, PDI™, PFS™ (See page 9) and fully automatic RO flush.

Unlike other flat tank systems, the underside of the Portage™ tank has been carefully designed to ensure that 100% of tank capacity runs to the 12v delivery pumps. So unless you're parked on a steep incline you'll be able to use every drop of the tanks water capacity even when the water level is low.

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portage™ 400 600 800

Both the 600 & 800 litre tanks have mounting points for the optional multi-position stainless steel hose reels positioned for easy access via the side loading doors.





EASY FILTER ACCESS

The filter media cartridge is simply replaced when spent.

TWIN PUMPS

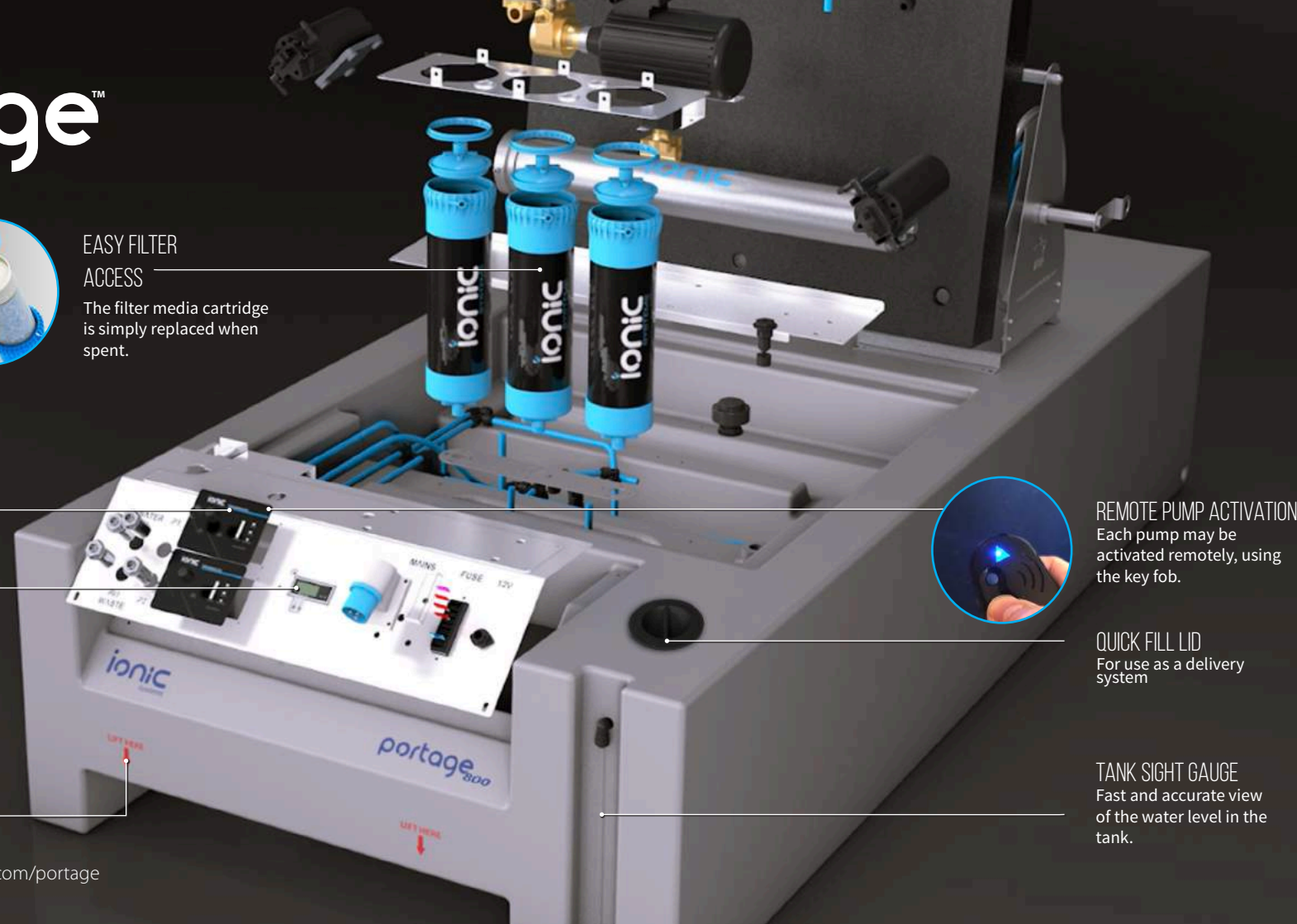
Two independently controlled pumps allowing more than one pole to be used at the same time.

DUAL TDS MONITORING

The TDS of the water at critical stages is monitored.

LIFT HANDLES

Front and rear handles for easy carrying when installing or removing the system



REMOTE PUMP ACTIVATION

Each pump may be activated remotely, using the key fob.

QUICK FILL LID

For use as a delivery system

TANK SIGHT GAUGE

Fast and accurate view of the water level in the tank.

CONFIGURATION OPTIONS

PFS™ – Periodic Flush System. On start up this feature automatically flushes the Reverse Osmosis Membrane for a period of 2 minutes. Thereafter the RO is flushed for 2 minutes every hour during the filling process.

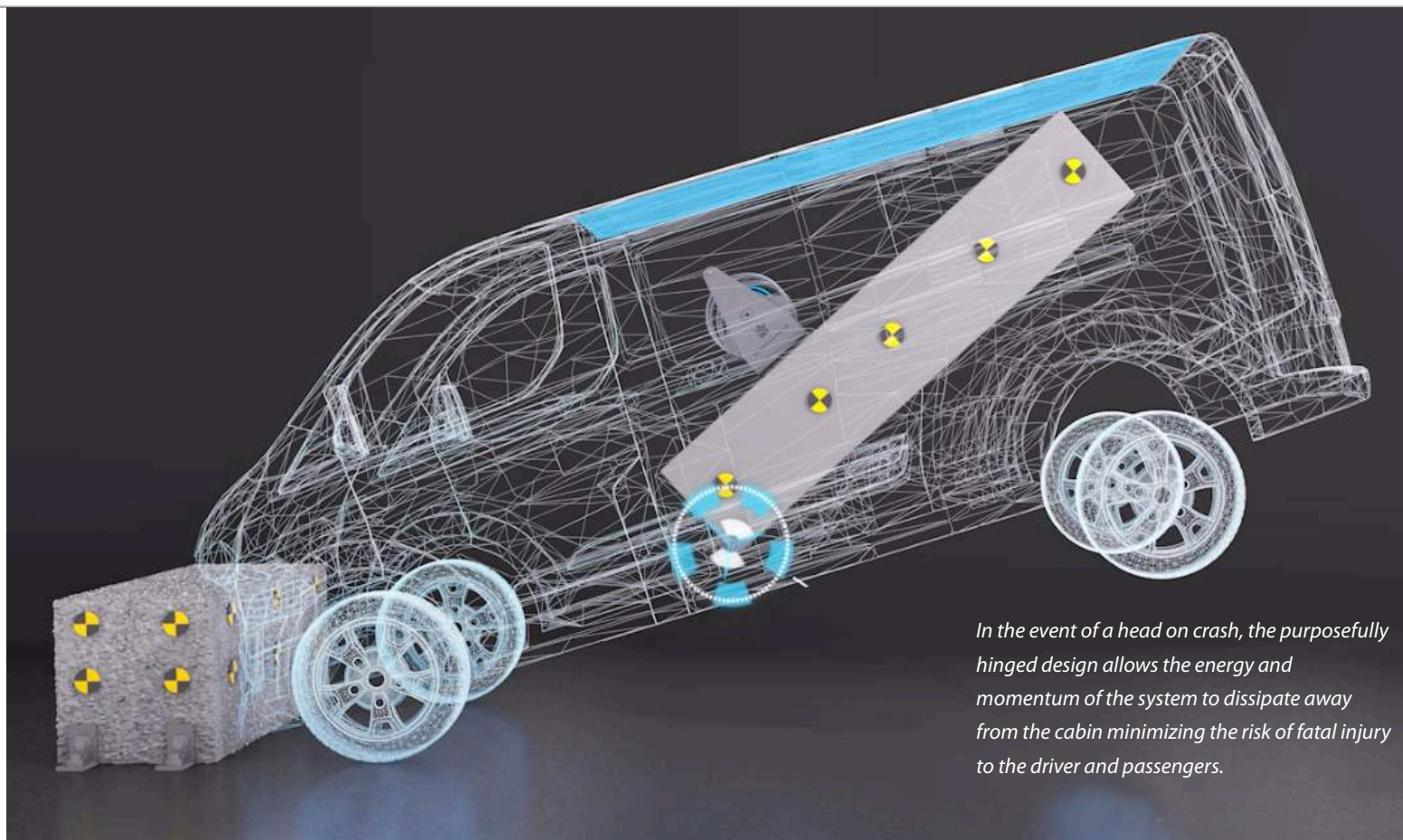
ROMS™ – Reverse Osmosis Maintenance System. At the end of each tank fill, pure water is diverted to the RO membrane housing. Leaving the RO membrane bathing in pure water between fills ensures that dissolved solids (found in tap water) do not foul the membrane. Further, dissolved solids that are not removed from the membrane surface during Periodic Auto Flush cycles are absorbed by the pure water during the 'rest period' to be flushed away during the first flush on startup.

PDI™ – Perpetual De-ionisation. This feature considerably extends DI resin contact time. Ultra purification is achieved by repeated exposure of purified water to the final DI polishing stage.

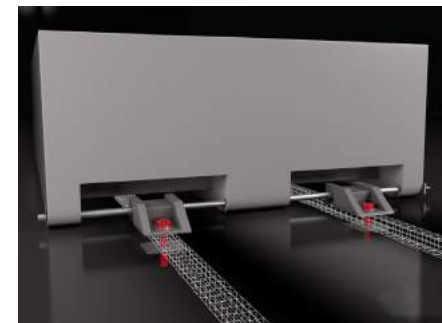
SAFETY FIRST

Window Cleaner safety has always been our highest priority, the Portage™ design was inspired after re-watching hours of crash test footage from our 2003 Thatcham crash test program. The lifting forces generated during a certain phase of a head on crash are considerable.

For that reason most of the clamping on our other FMVSS-208 tested designs can be found at the rear of the framework. In a head on crash with Portage™ fitted in a van the absence of clamps at the rear of the tank allows the tank to lift and be arrested by the roof of the van instead.



In the event of a head on crash, the purposefully hinged design allows the energy and momentum of the system to dissipate away from the cabin minimizing the risk of fatal injury to the driver and passengers.



The dimensions of the tank and the FMVSS-208 brackets that fix the tank securely to the chassis at the front combine to prevent the heavy water filled tank from colliding with the driver and passenger seats to avoid fatal crush injuries. The benefit of this design is that whilst security is maintained the tank can be removed in minutes leaving the vehicle free for other uses.



WATCH THE VIDEO!

Watch our video which explains all the features of the Portage in more detail. Scan the QR code or visit the video gallery on our website.
www.ionicsystems.com





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