

TRION



TRION™ PORTABLE TROLLEY

Quality without compromise

ionic[®]
SYSTEMS



Quality without compromise

PORTABLE SYSTEM THAT GOES ANYWHERE

The Trion™ on-site solution is a 3-stage Reverse Osmosis and De-ionisation Reach & Wash® system. Trion™ is powerful enough to deliver pure water to two waterfed poles, so that multiple operators can clean at the same time. Trion™ requires a water supply and mains power supply, and it's boosted pump provides enough power for a steady supply of water up to 80ft. It's ideal for a range of applications where access is limited, including courtyards, rooftop and atrium cleaning, as well as use in combination with cradles and rope access.

Trion™ is a compact yet powerful point of use system, capable of producing up to 6 litres of pure water per minute, bringing the benefits of spot-free cleaning to a wide range of applications. Incorporating a powerful (240V (or 110V) mains-electric pump, Trion™ can supply pure water to multiple waterfed poles even when water pressure is relatively low.

On-site building maintenance teams also use Trion™ for in-house window and façade cleaning duties as well as spot-free car washing.

Lightweight and easy to transport, Trion™ can be taken almost anywhere making it a truly flexible and versatile system with many uses.

Trion™ incorporates a highly efficient 40" reverse osmosis membrane, as well De-ionisation and Carbon filters. It's capable of producing pure water economically, even when the local water is hard.



TRION™ PORTABLE TROLLEY



Stainless Steel Chassis and Filter Housings are covered by our 10-Year Warranty

HIGH PRESSURE STAINLESS-STEEL HOUSING

The Trion™ has a stainless RO housing to enable an even better production rate.

4040 REVERSE OSMOSIS

Hard water membrane, removes up-to 99% of dissolved solids in tap water.

12" CARBON FILTER

Removes chlorine and protects the RO membrane

PNEUMATIC TYRES

Robust pneumatic tyres for ease of transport.

EASY REPLACEABLE FILTERS

The filter cartridge is simply replaced when spent

12" DE-IONISATION FILTER

Polishes water to zero parts per million

MANUAL FLUSH VALVE

For RO Flushing

PRESSURE GAUGE

Accurately measures the pressure of water being delivered

MAINS POWERED PUMP

A powerful mains-powered pump enables an excellent production rate

TRION™ IS THE PERFECT SOLUTION FOR SITES WHERE THERE IS ACCESS TO A WATER AND POWER SUPPLY

Because the Trion™ is able to provide a strong supply of ultra-pure water for cleaning directly from any mains water connection, it is particularly suited to work on commercial buildings.

It may be employed at ground level with long-reaching waterfed poles, or it can be used to supply pure-water for cradle work.

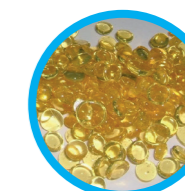
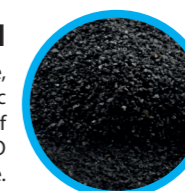
The Trion™ is also perfect for abseiling work, where the pure water is supplied from the roof.



3-STAGE WATER TREATMENT

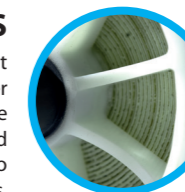
ACTIVATED CARBON

Effective at removing chlorine, sediment, and volatile organic compounds (VOCs) from water. If not removed, they damage the RO membrane.



REVERSE OSMOSIS

An advanced water treatment process where water is forced under pressure through a semi-permeable membrane. Highly effective and economical, RO removes up to about 98% of the dissolved solids.



DE-IONISATION

Special ion-exchanging resins are used to switch remove any remaining dissolved impurities to bring the water to 0ppm

FEATURES



BOOSTED FILL

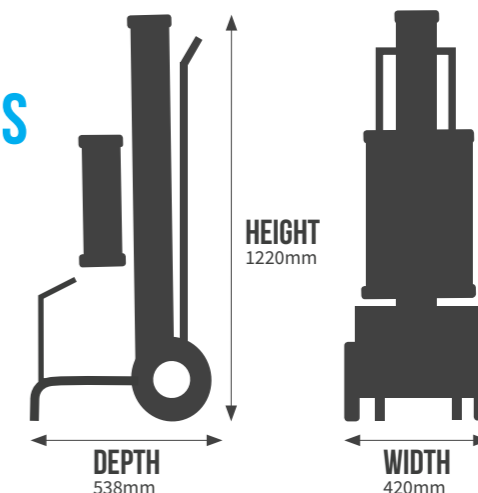
A powerful, mains-powered water pump boosts the pressure of the inlet water when filling, which dramatically improves the rate of pure-water production. Boosting the inlet pressure can enable filling up to three times faster than mains pressure alone.



STAINLESS HOUSING

The Trion features high-pressure stainless steel RO filter housing. This enables the reverse osmosis system to operate at even higher pressures, further improving the rate at which pure water is produced.

TRION™ DIMENSIONS & WEIGHT



APPROXIMATE WEIGHT



TRION™

Trion™ Specification

- 3-Stage Water Treatment:
 1. Carbon Filter - Removes Chlorine, protects RO membrane.
 2. RO Filter - Mechanically filters water, rejects up to 98% of remaining impurities.
 3. DI Filter - Polishes water to zero parts per million.
- Shut-off Valve
- Mains powered Water Pump
- Pressure gauge
- High-Pressure Stainless Steel Filter Housing for increased RO Pressure and greater water-production.



EXAMPLES OF WHERE THE TRION™ TROLLEY IS USED



COURTYARDS

Many buildings have courtyards inaccessible to vehicles. The Trion™ fits through normal doorways and enables window and façade cleaning from the safety of the ground.



PEDESTRIANISED AREAS

Modern town centres usually have large pedestrianised areas where vehicles cannot get near, but glass needs to be cleaned. Trion™ is the perfect solution in these circumstances.



'NO-PARKING' ZONES

City centre streets are becoming increasingly difficult to park, and this presents a problem for window cleaners using Reach & Wash® systems. With a Trion™ Trolley, it's possible to drop off a worker with a waterfed pole for an hour or two to complete the work.



ABSEILING

High-rise buildings can be cleaned with a Trion™ system secured to the rooftop producing & supplying pure water. With a Trion™ Trolley and short waterfed pole, window cleaning while abseiling is faster, more efficient and easier.



Stainless Steel Chassis and
Stainless Steel filter housing are
covered by our 10-Year Warranty



Ionic Systems Ltd, Westerngate, Hillmead Enterprise Park
Swindon, Wiltshire, SN5 5WN

Telephone: (01793) 871 386

E-mail: info@ionicsystems.com

www.ionicsystems.com

