

ReedInov8

Technology for trades



QINOV8

AQUAPEA®

THE FUTURE
FOR LEAK REDUCTION

LASTING INLINE REPAIRS WITHOUT EXCAVATION

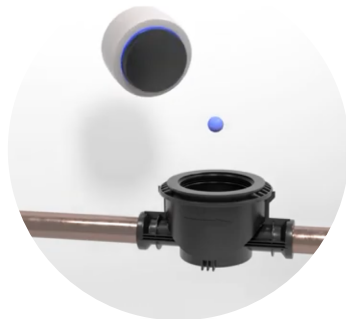
AQUAPEA® revolutionises water distribution networks pipe repair and maintenance.

By introducing our advanced formula polymer AQUAPEA® into the water system, you can repair leaks within an hour, and without having to carry out costly excavations

HOW AQUAPEA® WORKS

STEP

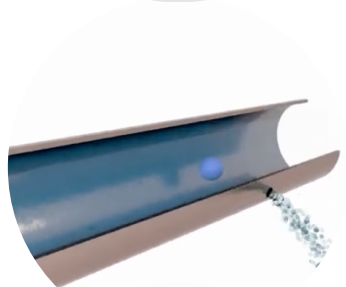
1



Introduce the AQUAPEA® into the water at an external meter chamber or via an AQUAPEA® insertion kit.

STEP

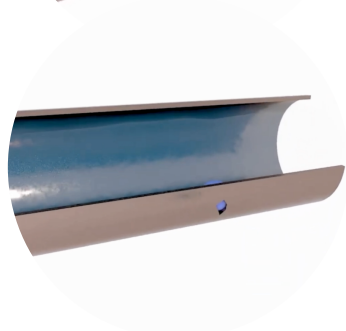
2



The AQUAPEA® is drawn to the leak by the flow of escaping water.

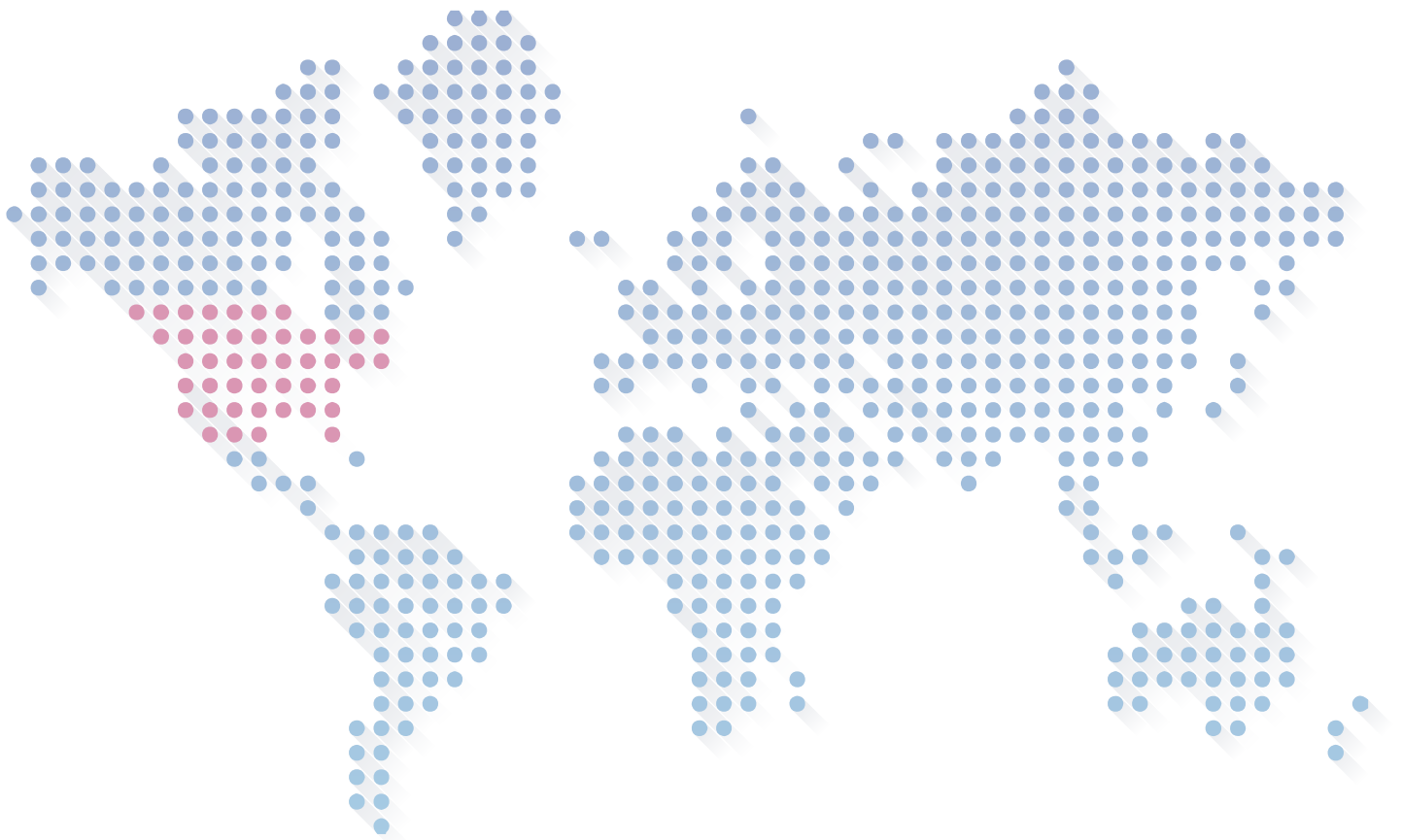
STEP

3



Kept under pressure, the advanced polymer forms through and around, sealing the leak.

GLOBAL SUCCESS



US
98%
SUCCESS IN
REDUCING LEAKAGE*
*COPPER PIPE

UK & REST OF WORLD
71%
SUCCESS IN
REDUCING LEAKAGE
ACROSS MULTIPLE PIPE
MATERIALS *ALKATHENE,
COPPER, LEAD & MIXED



WATER SAVINGS ARE
MADE GLOBALLY
AVERAGE WATER SAVING
PER 100 LEAKS
1,000,000
LITRES EVERYDAY

QUICK RESULTS, LONG-TERM SAVINGS



Immediate response

AQUAPEA® can be implemented as soon as the leak is discovered and validated.



Easy to use

AQUAPEA® can be used without needing to excavate or replace pipework.



Planet saving

Eliminates onsite excavations. This dramatically reduces the environmental impact of any pipe fix.



A long term solution

Laboratory tests prove the Aquapea is a long term solution as the polymer bonds strongly, adhering to any type of commonly used pipe material.



Fast customer satisfaction

AQUAPEA® gets to the leak and repairs it fast, giving customers a fix within one hour.



Multiple cost savings across networks

AQUAPEA® can be used across networks to reduce the cost of repairs and leakage.

CUSTOMER SATISFACTION



The AQUAPEA® has been a fantastic addition to our leakage toolbox. It has given us new opportunity to reduce/fix leakage the day we find it.

We have been using the product for nearly a year now and have seen some fantastic results. It has been successful around 70% of the time and given an average leakage reduction of 60%.*

It's an affordable and effective solution to dealing with leakage that will also provide a great customer experience"

Severn Trent Water,
Leak Management Team.



71%

SUCCESSFUL
APPLICATIONS



£970+

AVERAGE SAVING
PER APPLICATION
COMPARED TO
TRADITIONAL METHODS

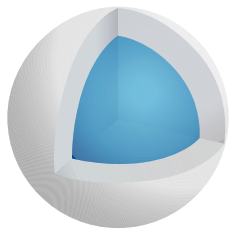


10,000

LITRES OF
WATER SAVED
PER APPLICATION

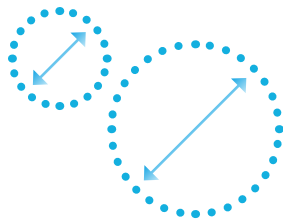
*.The above figures represent the actual savings made by Severn Trent Water.

SIMPLE YET SOPHISTICATED TECHNOLOGY



AQUAPEA® is created using two components:

- Specially formulated polymer outer cover
- Central polypropylene floatation and plug-in aid



Ideal use for:

- Any material of pipework
- Fixes and reduces leaks in pipework from 15mm - 50mm.

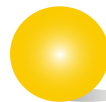


The range:

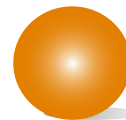
- The AQUAPEA® comes in a range of 4 sizes
- Each is colour coded depending on the application and the size of the hole or split in the pipework.



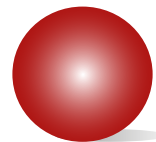
Ø 4-10 LPM*



Ø 10-15 LPM



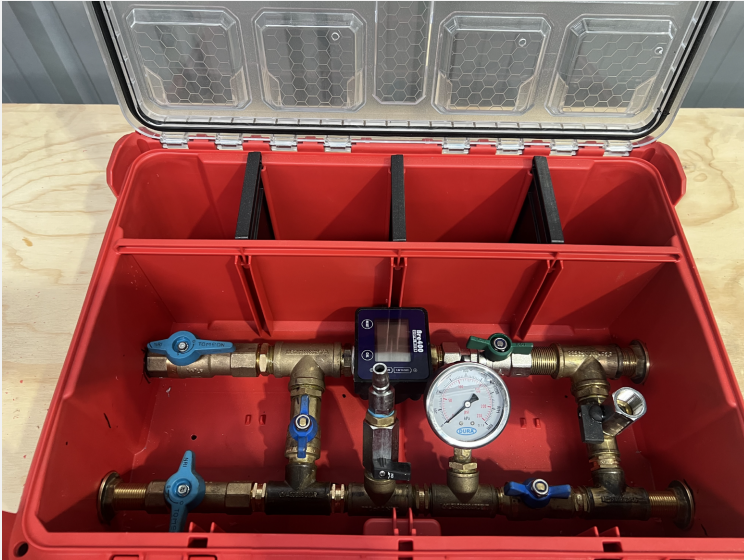
Ø 15-20 LPM



Ø 20-25 LPM

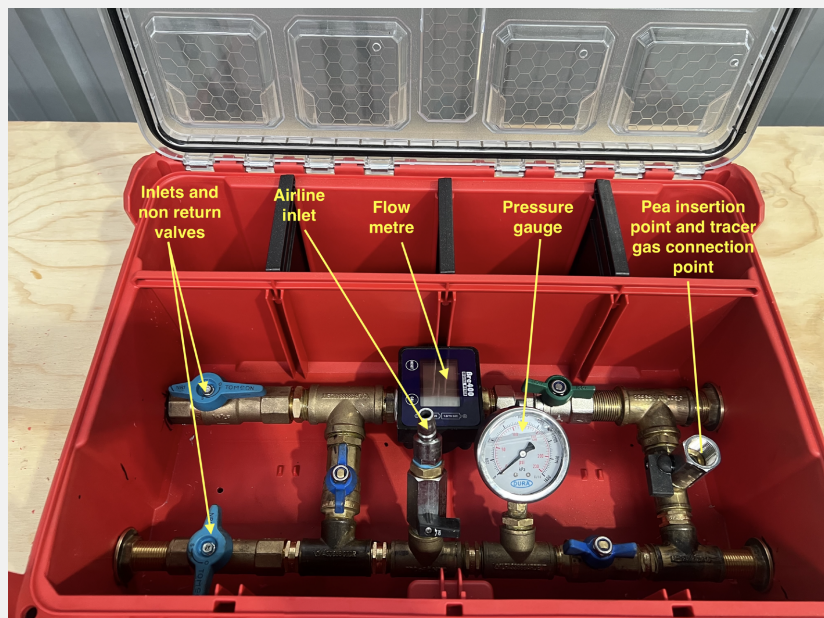
*Litres per minute

AQUAPEA® KIT INFORMATION



Inside the Aquapea insertion kit is:

- Inlet lines with non return valves.
- Pressure gauge to determine pressure of water line, conduct static testing.
- Flow metre to measure the water loss that also helps decide what size pea is to be used.
- Air line compressor connection point: can be used to help get the pea into position or for leak detection and assist with leak detection.
- Valve for pea insertion or to connect tracer gas to be used for leak detection.



ACCREDITATIONS & AWARDS

A major goal of our development was to give our customers the complete confidence of full accreditation. We're proud to say we've also picked up a number of awards and some major partners along the way.



Product Conformity Scheme (PCS)-
Type Test Certification

AQUAPEA® (Polymer Repair Material) has been examined and found to be in conformity with the requirements of the standard **AS/NZS4020:2018**.

Testing of products for use in contact with drinking water



Having won 3 National Innovation Awards the AQUAPEA® has now won the prestigious QUEEN'S AWARD FOR ENTERPRISE in INNOVATION 2022.



AQUAPEA® has material approval for use within domestic water supplies by the Water Regulations Advisory Scheme (WRAS). Meeting the requirements of BS6920-1:2000 and/or 2014.



AQUAPEA® is officially NSF/ANSI/CAN 61 Certified. Meeting the regulatory requirements for the US, Canada and many other countries too. This provides customers with assurance that the product does not leach harmful contaminants into drinking water.

FACTS THAT SPEAK
FOR THEMSELVES

99%

REDUCTION
IN CARBON
FOOTPRINT

LEAKS FIXED IN
1 HOUR

AWARD
WINNING

ZERO
EXCAVATION

10,000

LITRES PER DAY SAVED
PER APPLICATION

THE MORE EFFECTIVE FIX

There needs to be a leakage volume of at least 4 litres a minute to successfully launch and operate AQUAPEA®

The operating temperature range is between -20°C and 100°C.

Insert into the supply pipe via a water meter chamber or an AQUAPEA® insertion kit

Once the AQUAPEA® seals the leak, it takes 15 minutes to cure and bond to the pipe, and tests show it can stay in place for over 30 years.

TECHNICAL SPECIFICATIONS

KNEADING/MIXING POLYMER TIME 30 SECONDS

POLYMER CURING TIME 15 MINUTES

MINIMUM LEAKAGE RATE REQUIRED 4 LITRES PER MINUTE/
1 GALLON PER MINUTE

MAXIMUM LEAKAGE RATE REQUIRED 25 LITRES PER MINUTE/ 6.5
GALLONS PER MINUTE

PRODUCT CERTIFIED TO NSF/ANSI/CAN 61 AND CONFORMS
TO NSF/ANSI/CAN 372, TO THE REQUIREMENTS FOR "LEAD
FREE" PRODUCTS AS DEFINED BY CALIFORNIA, VERMONT,
MARYLAND AND LOUISIANA STATE LAWS AND BY SECTION
1417 OF THE US SDWA. TESTED UP TO 23°C

PRODUCT HAS PASSED THE WATER REGULATIONS
APPROVAL SCHEME (WRAS) HAVING MET THE
REQUIREMENTS OF BS6920-1:2000 AND/OR 2014
'SUITABILITY OF NON-METALLIC PRODUCTS FOR USE
IN CONTACT WITH WATER INTENDED FOR HUMAN
CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE
QUALITY OF THE WATER'. TESTED UP TO 23°C

PRODUCT HAS PASSED ISRAELI
STANDARD 5452 (2016)

PRODUCT HAS PASSED AS/NZS
4020:2018 COMPLIANCE

CURES IN TEMPERATURES FROM 20°C TO 100°C

HIGH RESISTANCE TO ACIDS, OILS,
PETROLEUM AND SOLVENTS

ENVIRONMENTAL SPECIFICATIONS

ON AVERAGE EACH APPLICATION SAVES 4.5 KW/H OR 108 KW/D OF ELECTRICITY (ENOUGH
ENERGY SAVED TO POWER 10 HOMES EVERY DAY)

CARBON EMISSIONS ZERO PER SUCCESSFUL APPLICATION
EXCAVATIONS ZERO PER SUCCESSFUL APPLICATION
BACKFILL AND FINISHED GROUND MATERIALS REQUIRED ZERO PER SUCCESSFUL APPLICATION
DUST EMISSIONS ZERO PER SUCCESSFUL APPLICATION

APPLICATIONS/MARKETS

RESIDENTIAL HOUSES, APARTMENTS, FLATS
BUNGALOW, COTTAGES, ETC

COMMERCIAL OFFICES, RETAIL PARKS, HOTELS,
MANUFACTURING FACILITIES, EDUCATION
FACILITIES, RETIREMENT HOMES, NURSING
HOMES, HOSPITALS, GOVERNMENT
BUILDINGS, MILITARY ESTABLISHMENTS

ON ALL LEAKING PIPEWORK FROM 15MM TO 50MM