

# LIFESAVER C1

The brand new LifeSaver® C1 revolutionises community and off-grid water purification. As with all our water purification products, it allows the user to take an existing or potential fresh water supply and make it potable. The LifeSaver C1 marries the benefits of mass water purification for larger communities with the simplicity and efficiency of LifeSaver's smaller water purification devices.

Capable of producing up to 500,000 litres of safe drinking water at the turn of a tap. The C1 is easily shipped and installed, even to the most remote communities. Ideally suited for connection to overhead water storage tanks or municipal piped supplies where water quality may be compromised, a C1 brings clean drinking water in an easy to connect, install and portable package.

All that is required is for water to be stored at a height of 2 metres or more above the C1. This generates enough pressure for the water to pass through the LifeSaver C1's patented ultra filtration cartridge. Alternatively, a pressurised municipal feed or water pump with sufficient pressure would work just as well.

Just one LifeSaver C1 will provide a community of 100 people daily drinking water for up to 4 and a half years at a negligible cost per litre.

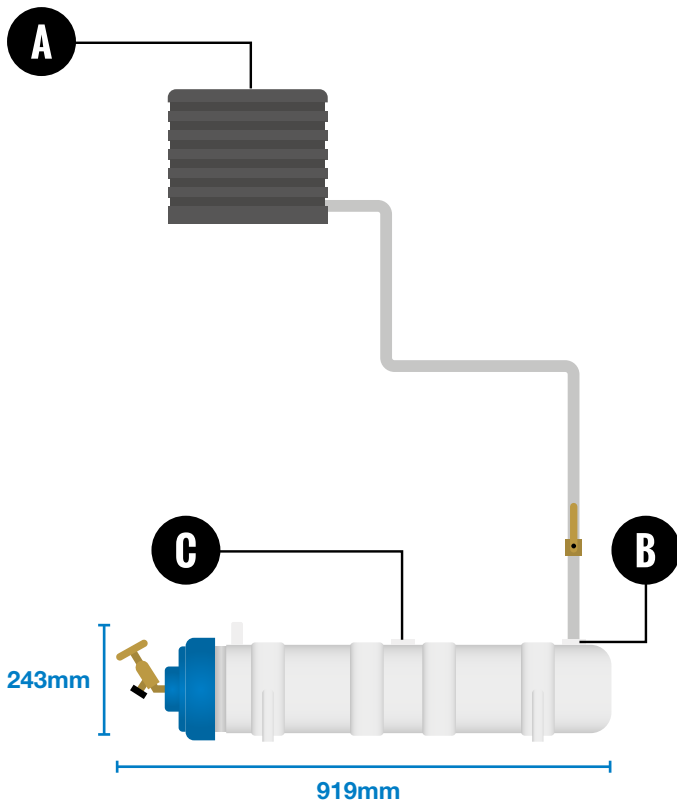


## KEY FEATURES:

- Purifies up to 500,000 litres of water
- Safe drinking water at the turn of a tap
- Removes
  - Viruses – 99.99%
  - Bacteria – 99.9999%
  - Cysts – 99.99%
- Drain port incorporated for routine cleaning and flushing of filter
- Product materials and water effluent both BPA and BPS free
- Easy change, replaceable filter cartridges
- Fast flow rate
- No chemical or electricity required
- FailSafe technology – Once the filter membranes are blocked, water cannot pass through, keeping users safe
- Lightweight and robust, with quick connect fittings, making it perfect for emergency or disaster response
- Multiple C1 units can be daisy-chained together, running from the same source, multiplying the output

 **LIFESAVER**<sup>®</sup>  
ESSENTIAL FOR SURVIVAL

# LIFESAVER C1



- A** Pressurised municipal feed or water tank stored at height
- B** Standard 3/4" NPT connection
- C** Option to daisy-chain to additional C1 units

## MICROBIOLOGICAL FILTRATION EFFICACY

Exceeds a suitable adaption of NSF P231 testing as per the EPA Guidelines for microbiological purifiers:

Bacteria retention***	>99.9999 % (Log 6)
Virus retention***	>99.99 % (Log 4)
Cysts retention***	>99.99 % (Log 4)

## LIFESAVER COMPLIANCE

Testing is based on a suitable adaption of NSF/ANSI P231.

These units are tested with two different types of water to challenge the filtration capability beyond the standard use. All figures quoted are taken from the stressed challenge phase of the test imitating sewage contaminated water.

\* After first use the product should be protected against freezing

\*\* Flow rates and service rating dependent on the composition, temperature and turbidity of the feed water

\*\*\* Tested by BCS laboratories issued 05/01/16 based on an adaption of NSF/ANSI P231 Protocol

## DISCLAIMER

The information and data contained in this document are based on our general experience and are believed to be correct. They are given in good faith and are intended to provide a guideline for the selection and use of our products. Since the conditions under which our product may be used are beyond our control, this information does not imply any guarantee of final product performance and we cannot accept any liability with respect to the use of our products. The quality of our products is guaranteed under our conditions of sale. Existing industrial property rights must be observed.

All details given on this data sheet are believed to be correct at the time of creation. We reserve the right to make improvements and/or modifications to the equipment herein.

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## PERFORMANCE AND TECHNICAL DATA

Minimum storage temperature*	0°C (32°F)
Maximum storage temperature	50°C (122°F)
Minimum operating temperature	>0°C (32°F)
Maximum operating temperature	50°C (122°F)

Estimated flow rate equivalents:\*\*

Feed Tank Height (Metres)	Pressure Equivalent (Psi / Bar)	Projected Flow rate (l/min)
2	2.85 / 0.2	5
3	4.3 / 0.3	5.5
4	5.7 / 0.4	6
5	7.1 / 0.5	6.5

Combined safety pressure relief valve and bleed valve to allow 1.5 bar (22Psi) (15m Head Pressure) maximum operation.  
Dry weight of product fully assembled approx 6kg (approx 13 lb).