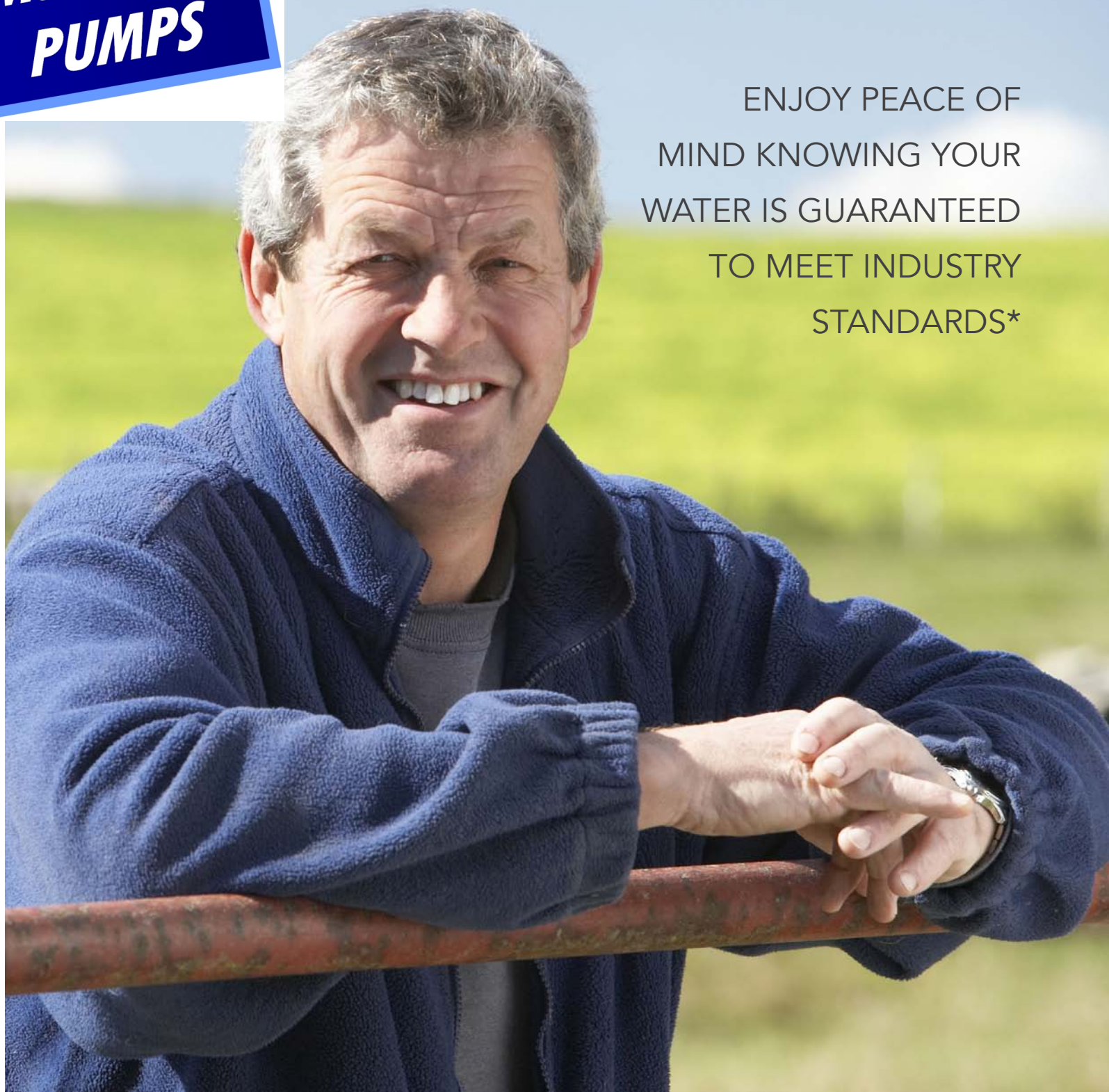


**McQUINN
PUMPS**

ENJOY PEACE OF
MIND KNOWING YOUR
WATER IS GUARANTEED
TO MEET INDUSTRY
STANDARDS*



INNOVATIVE WATER SOLUTIONS
FOR THE DAIRY SHED...

Introducing the ultimate in water filtration, the GE Homespring uses Ultrafiltration technology, is self cleaning and provides water guaranteed to meet NZ drinking water & industry standards*

General Information

The Homespring™ Ultrafiltration System continuously provides high quality potable water by physically removing pathogens, particulates and impurities from virtually any water source*. It provides consistent and dependable operation, the assurance that you are using proven technology and the confidence that your water filtration system can help meet current and future regulations.

Features & Benefits

- Effectively blocks and removes bacteria, viruses and cysts from water supplies**.
- Significantly reduces colloids, turbidity, and organics.
- Utilises the same membrane technology chosen by large-scale water filtration plants.
- Effectively treats ground, surface or rain water sources at the point of entry.
- Simple installation and operation results in cost-effective operation and maintenance.
- Automated and efficient self-cleaning cycle flushes impurities down the drain.
- Requires minimal water pressure to operate.
- Easily connects to existing plumbing.
- Single units can be grouped together to meet increased water demands, or even integrated with other technologies to create portable or permanent treatment systems.
- Product performance validated by independent testing**.

Ultra-Filtered Water for the Dairy Shed



Physically removes

- 99.9999% of bacteria (eg, Salmonella, E. coli, Legionella and Campylobacter),
- 99.999% of viruses (eg, Norwalk, Hepatitis, and Polio) and
- 99.99% of protozoan cysts (eg, Cryptosporidium, Giardia) from ALL water sources**

*Subject to water analysis

**Certified by NSF, detailed international certifications available on www.homespring.co.nz



homespring™

Ultrafiltration System by GE



System Tested and Certified by NSF International against NSF/ANSI 42 and 53 for:

- Cyst Reduction
- Turbidity Reduction
- Particulate Reduction - Class 1
- Chlorine, Taste and Odour



The Homespring™ UF211 & UFC211 Water Purifiers have been Tested and Certified by the Water Quality Association (WQA) to the USEPA's Guide Standard and Protocol for Testing Microbiological Water Purifiers (OPP Task Force Report, 1987) as interpreted by the WQA and to NSF/ANSI 42 and 53.
* Applies to the following models: UF211, UFC211



System Capacity

Continuous Flow***: 17 LPM

Peak Flow***: 42 LPM

- 1 INLET**
Ultrafiltration membrane technology filters municipal, bore, rain, lake and river water. It is easy to install in a dairy shed application.
- 2 PRE-FILTER**
An optional Activated Carbon Pre-filter improves taste and minimises unwanted odours.
- 3 ULTRAFILTRATION MEMBRANES**
Ultrafiltration membranes are an effective block against undesirable turbidity and particulates.
- 4 CONTINUOUS SUPPLY**
The Homespring Ultrafiltration System by GE uses normal water pressure to provide a continuous supply of crystal clear, microbiologically purified water. If the power fails, the system continues filtering.
- 5 DRAIN**
The Homespring Ultrafiltration System by GE effectively flushes all rejected impurities down the drain during the automatic cleaning cycle.
- 6 OUTLET**
Ultrafiltered water flows from the Homespring Ultrafiltration System to the the desired application.

How the GE Homespring Ultrafiltration system compares with other technologies:

Other treatment methods can't match the superior performance of the Homespring™ Ultrafiltration System by GE (as shown on the table below)

Typical System Capabilities	Homespring™ Ultrafiltration System by GE	Ultra-Violet Systems	Ozone Systems	Reverse Osmosis Systems	Chlorine Systems	Chlorine Dioxide Dosing Systems	Carbon Filters
Physically removes bacteria and viruses*	YES	NO	NO	NO	NO	NO	NO
Removes parasites*	YES	NO	NO	NO	NO	NO	SOME
Self-cleaning	YES	SOME	NO	YES	NO	NO	SOME
Keeps filtering when power fails	YES	NO	NO	YES	SOME	NO	YES
Improves taste**	YES	NO	SOME	SOME	NO	NO	YES
Removes cloudiness (turbidity)	YES	NO	NO	YES	NO	NO	YES

** When installed with the optional activated carbon pre-filter.

Technical Overview

At the heart of the GE Homespring™ Ultrafiltration System System is a hollowfiber ultrafiltration membrane that physically removes harmful bacteria, cysts and viruses from the water supply. Millions of microscopic pores on the membrane surface allow water molecules to pass freely through the membrane, but contaminants which are much larger in size are effectively blocked out of the drinking water distribution system. The system has been tested to block 99.9999% of bacteria, 99.95% of cysts and 99.99% of all viruses from your water supply*.

Technical Specifications	
Continuous Flow Rate	17 LPM
Peak Flow Rate	Up to 42 LPM
Min. Temperature (Fo/Co)	>32/0
Max. Temperature (Fo/Co)	>100/38
Approximate Flush Volume	45 Litres
Typical System Water Efficiency	95%
Controller Voltage (VAC)	120/230
Bacteria Removal*	>99.9999% (6 log)
Virus Removal*	>99.99% (4 log)
Cyst Removal*	>99.95%

*Please see certification and testing data for more information. Applicable to model # UF211, UFC211

* Subject to water analysis. Requirements vary from region to region. See local regulations for specific requirements.

** Please see certification and testing data for more information.

*** Flow for individual system. Increased flow can be achieved by grouping multiple systems.

How It Works

