



ESSENTIAL  
FOR DRINKING  
WATER

# CalRO Pro

Smart direct flow Reverse  
Osmosis System



600 G  
DIRECT FLOW  
REVERSE OSMOSIS SYSTEM



Advanced technology  
eliminating contaminants and  
keeping your water ultra-safe

BUY WITH CONFIDENCE

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## Smart direct flow Reverse Osmosis System

### How it works

The mains water to be treated enters the RO unit through the sediment and carbon cartridge where the suspended particles, such as chlorine, its derivatives and other organic substances are removed.

The passage of water into the RO unit is controlled by a cut-off solenoid valve.

The water, after being treated by the filtration stage. Is driven towards the RO membrane and the equipment incorporates a pump to increase the pressure, and the pressure of the water on the membrane makes the reverse osmosis process possible by trapping all of the contaminants.

The osmotised water comes out of the RO unit through the smart tap for consumption. Reject water or the water with excess salts and other dissolved substances is re-directed to the drain waste.

When water is not requested through the smart tap, the RO unit stops operating by the means of a maximum pressure switch with an automatic cut-off.

The RO unit also incorporates a minimum pressure switch as a safety system, which protects the pump from pressure drops, stopping the RO unit and preventing its operation in a vacuum.

Unlike traditional RO units, our RO Pro unit which has fast-filtering capabilities ensures a standard glass can be filled in 12 seconds due to the high water flow rate of the 600 gallon per day membrane.

The slimline design of the RO unit compliments any kitchen and fits neatly underneath the kitchen sink which saves space and looks aesthetically pleasing in any home by combining the traditional 5 filtration unit to 2 filters.

The advanced technology eliminates more than 1000 contaminants keeping your water safe from chlorine, limescale, sediment, bad taste, heavy metals, odour, and also combats both chemical and organic contaminants such as arsenic, asbestos, benzene, fluoride, formaldehyde, nitrate, nitrite and trichloromethane.



### CONTAMINANTS REDUCED BY REVERSE OSMOSIS

Algae	<b>98%</b>	Chlorides	<b>97%</b>	Magnesium	<b>98%</b>	Silver	<b>98%</b>
Aluminium	<b>98%</b>	Chlorine	<b>99%</b>	Mercury	<b>96%</b>	Sodium	<b>98%</b>
Antimony	<b>96%</b>	Chromium	<b>99%</b>	Monochloramine	<b>94%</b>	Sulphate	<b>98%</b>
Arsenic	<b>98%</b>	Copper	<b>99%</b>	Nickel	<b>98%</b>	THM's	<b>99%</b>
Asbestos Fibres	<b>99%</b>	Cysts	<b>99%</b>	Nitrates	<b>98%</b>	Total Hardness	<b>98%</b>
Bacteria	<b>98%</b>	Dichloramine	<b>92%</b>	Odours	<b>99%</b>	Total dissolved solids	<b>94%</b>
Barium	<b>99%</b>	Fluorides	<b>98%</b>	Pesticides	<b>99%</b>	Total alkalinity	<b>91%</b>
Benzene	<b>90%</b>	Herbicides	<b>99%</b>	Phosphate	<b>98%</b>	Turbidity	<b>98%</b>
Beryllium	<b>99%</b>	Iron (soluble)	<b>98%</b>	Potassium	<b>86%</b>	Viruses	<b>98%</b>
Cadmium	<b>99%</b>	Lead	<b>99%</b>	Radon	<b>95%</b>	Zinc	<b>99%</b>
Calcium	<b>97%</b>	Manganese	<b>98%</b>	Selenium	<b>90%</b>		



- ✓ **Click**  
Quick connections maximum security
- ✓ **Filter Control**  
Automatic maintenance warning
- ✓ **Solenoid Valve**  
Immediate control safety mesh
- ✓ **Aquastop**  
Automatic leak detection system
- ✓ **Direct Flow**  
RO water direct production
- ✓ **LED Status**  
Light indications
- ✓ **High performance motor**  
Better performance
- ✓ **Electronic Adapter**  
Greater security and efficiency
- ✓ **Double flow**  
Higher flow of water dispensed
- ✓ **Direct Access**  
Easy access and maintenance
- ✓ **Sound Warnings**  
Sound indications
- ✓ **High Efficiency**  
Recovery in production
- ✓ **Exclusive Membrane**  
Original membrane
- ✓ **Smart Faucet**  
Filter change warnings

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## Benefits

**CF** CF Filter  
change warning

**MRO** MRO Membrane  
change warning

 Direct Flow

 Easy and fast  
filter change



 Leak sensor

 Smart tap  
with control  
warning lights

 Anti-flush  
membrane - every  
30 minutes to  
ensure good  
quality water

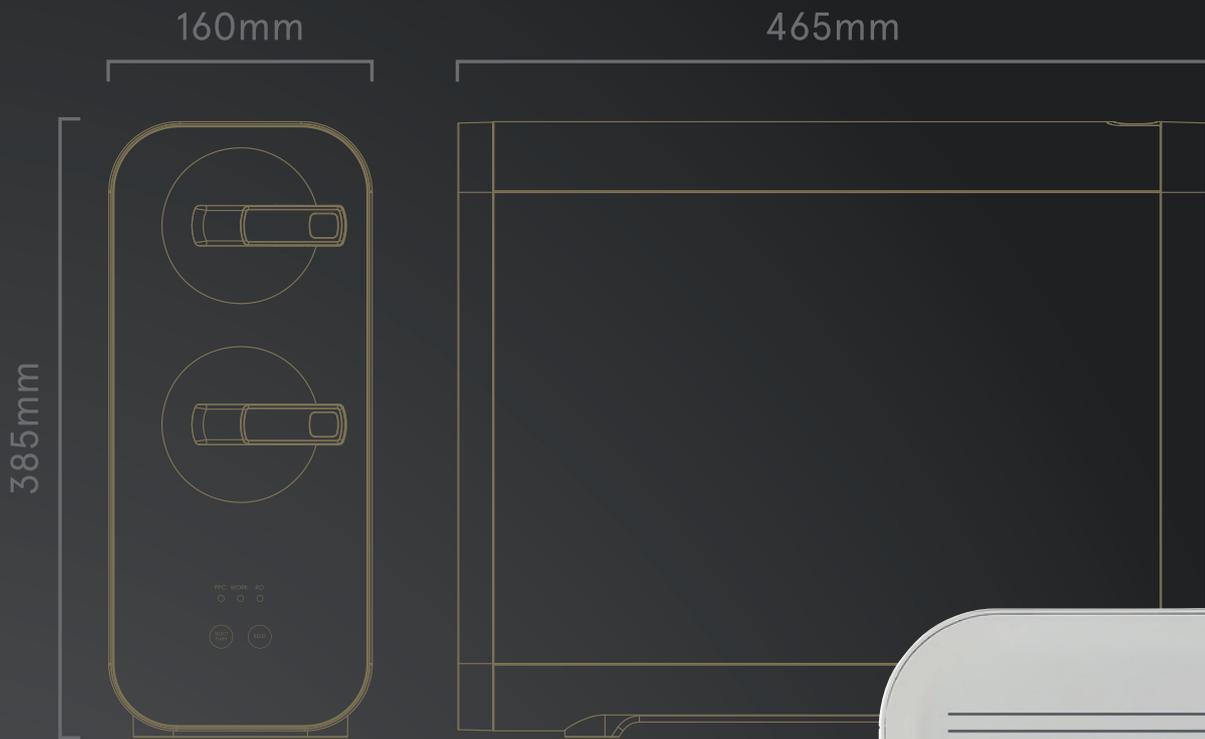


Easy  
maintenance





Ultra comfort and suitable for any place



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## Easy and fast change of filter - saving time

With an easy twist motion and without moving the RO unit, simply push and pull the cartridge to remove and replace.



## Long life filters - saving time and money

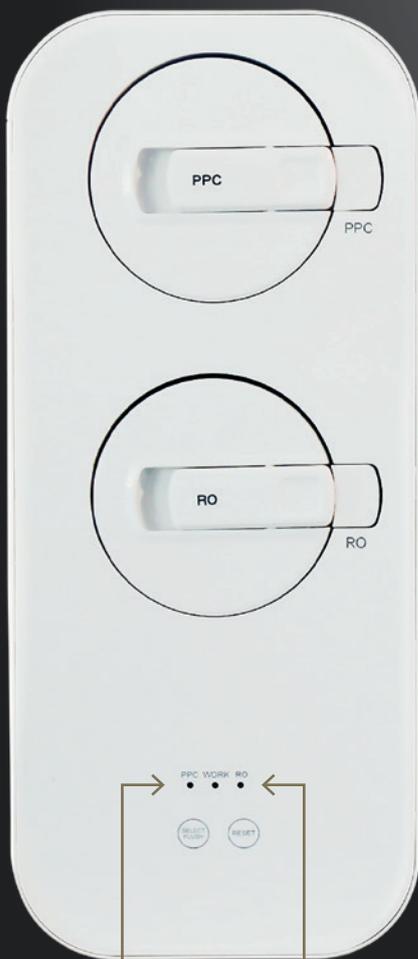
PPC cartridge - replacement recommended every 12 months. 600 GPD membrane - replacement recommended every 36 months.





## Smart display

Front light display indicates filter changes.



Filter life span indicator

Membrane life span indicator

## Smart tap

Check the quality of the filters quickly thanks to the multicolour LEDs:

- ✓ Filter working correctly
- ✓ Filter about to expire
- ✓ Filter needs replacing





# Guaranteed confidence in water quality

Calmag's **fresh, innovative approach** to water quality has led to the development of the most extensive and effective range of water treatment solutions within the UK water treatment industry - our products are designed with the **needs of our customers** in mind - the merchant, installer and consumer. Calmag's philosophy is based on providing products and services to meet the real needs of all our customers - we don't simply produce what we think you should buy - Calmag have the **unique design** and production capabilities to produce what you want - when you want it!

## Beware of imitations!

There have been a number of instances when customers have been under the impression that they have bought a Calmag product but, in reality, have been supplied with an alternative and inferior product that fails to match the industry-leading performance and aesthetic appeal of ours. So we strongly advise customers to **ask for our product by name**. Other products may seem to offer similar qualities, but if it isn't Calmag, it simply won't perform to our standards.

There are **two key ways to check** that you've purchased a genuine Calmag product: they carry the **WRAS approval** on scale inhibitors, and **BuildCert** approvals on a range of chemical inhibitors through the **BEAMA** association.



Condensate Neutralisers



Water Softeners



Water Filtration



Powerflushing

For more information regarding all Calmag products and services please go to [www.calmagltd.com](http://www.calmagltd.com)

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\* All figures are taken from various published figures