

Hydromos – Reverse Osmosis System

The Hydromos system uses the principal of reverse osmosis to produce very pure quality waters from a standard mains water input. The phenomena of osmosis states that if two salt solutions are separated by a 'semi permeable' membrane then water will always flow from the lower concentrated solution to the higher concentrated system so that the two systems become equalised. The Hydromos system uses pressure to reverse this natural flow and thus can cause pure water to flow through a membrane from a high concentration to a low concentration, producing a very high quality stream, known as the permeate and a waste stream known as the concentrate.

Under design conditions the membranes will last for 5 to 10 years, depending on useage patterns and input water quality.

The Hydromos system employs a 5um pre filter which should be changed on an annual basis.

To maintain the efficiency of the Hydromos unit, a precautionary clean of the membrane should be performed on an annual basis, this is to remove any organic or inorganic foulants that may have accumulated here.

Hydromos Reverse Osmosis Service Schedule

- ❑ The agreement will run for twelve months and signed contracts will be automatically renewed annually.
- ❑ All replacement and repairs due to manufacturing faults will be carried out free of charge during this period.
- ❑ Replacement or repairs due to circumstances outside of Hydrotec UK Limited control (i.e. contaminants within the water supply) will not be covered and maybe charged at preferential rates separately.
- ❑ Labour for these 'outside circumstances' can be covered under the numerous Call Outs associated with each of the packages laid out below.
- ❑ Hydrotec will endeavour to carry out all 'Additional callouts' not accounted for under each of the levels within seven days of an order being received.
- ❑ The membranes are not deemed to be covered by this contract.

1st YEAR SERVICE VISIT	
What's included	What's not covered
Checking all plant performance parameters, including an analysis of inlet and outlet water quality	Replacement of membrane due to misuse/incorrect conditions
Replacement of 5 um prefilter	
Cleaning of the conductivity sensing system	
Checking joints and seals for leaks	
Checking of on-board diagnostic system	
Checking high pressure pump protection system	
Membrane clean to remove organic and inorganic foulant materials	
STANDARD 2 MAINTENANCE AGREEMENT	
What's included	What's not covered
All elements of 1 st Year Service visit	Replacement of membrane due to misuse/incorrect conditions
<i>Total of two extra call outs</i>	
STANDARD 5 MAINTENANCE AGREEMENT	
What's included	What's not covered
All elements of Standard 2 Maintenance Agreement	Replacement, repair or cleaning of unit/components due to misuse/incorrect conditions
<i>Total of five extra call outs</i>	