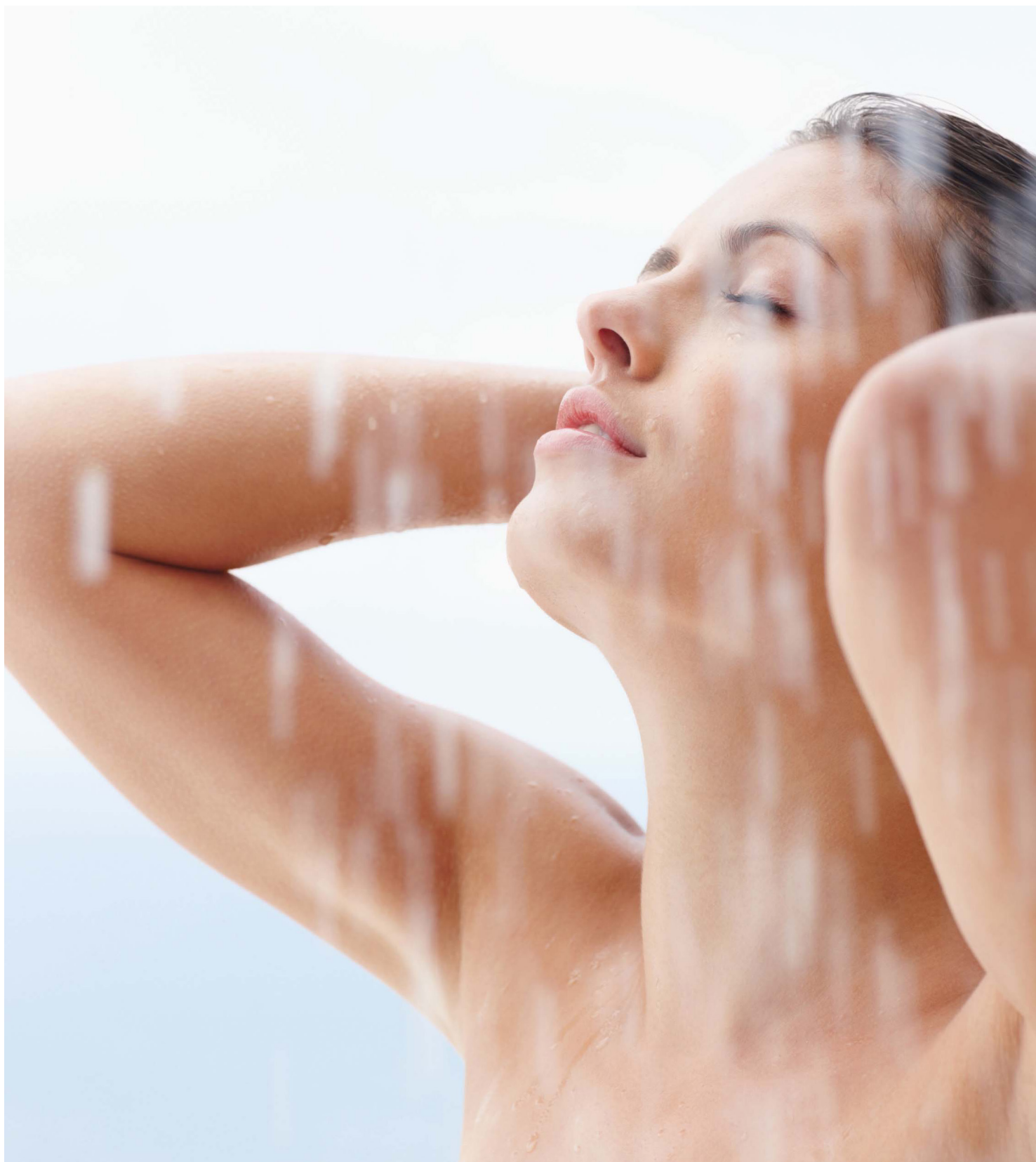


PUREH2O > FILTERPRO > TECHNICAL SPECIFICATION

FilterPro RANGE

*PureH2O Deep bed activated carbon filters,
the professional way to clean water.*

PUREH2O™
WHOLE HOME WATER TREATMENT



PRODUCT FEATURED >

FilterPRO™

FilterPro RANGE

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the professional way to clean water.*

BENEFITS

Granular Activated Carbon (GAC) is a widely available media that can be used in a range of applications, water and air treatment processes. Activated through super heating of the carbon granules and cleaning with steam or acid washing the crevices in each granule of carbon produce a massive surface area that captures organics. To give some indication as to its efficacy, it is widely used in military respirators for the removal of Nuclear Biological and Chemical agents and is highly effective.

At PureH2O, we manufacture the **FilterPro™** range of deep bed Activated Carbon filters for the treatment of water in the home or as pre-treatment to our Reverse Osmosis plants.

They can be used on mains water, bore hole water and surface water. In conjunction with our multi-media, Ultra-Filtration and Ultraviolet systems we can remove many of the waterborne impurities to produce water that is closer to the source quality, soft and fresh - more pleasurable to bathe in whilst protecting water using appliance from the typical scale build-up we see in hard water areas in the UK.

Radon in the UK poses some dangers to homes through gas and permeation into ground water supplied. **FilterPro™** provides the quickest and most cost-effective solutions to removal of radon at the point of use to homes making it safe for all applications.

FilterPro™ MODEL RANGE

FilterPro™ MODEL	FilterPro-15™	FilterPro-22™	FilterPro-28™	FilterPro COMMERCIAL™
Flow rate	1cmh @ 4BarG.	2-3cmh @ 4BarG.	3-4cmh @ 4barG.	Subject to URS.
Chamber size	Height 370mm	Height 890mm	Height 890mm	Subject to URS.
Valve type				Subject to URS.
Inlet/outlet port size	1/2" (m)BSP	1" (m)BSP	1" (m)BSP	Subject to URS.
Voltage	N/A	N/A	N/A	240VAC
Vacuum Breaker				Subject to URS.
Max. working pressure	4BarG	4BarG	4BarG	4BarG
Ambient water temperature	16-22°C	16-22°C	16-22°C	16-22°C
Optional service reminder	Yes	Yes	Yes	Yes
BMS contact	No	No	Chlorine sensor	Chlorine sensor

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FilterPRO™

Water filtering by the FilterPro™

- For removal of organic pollutants, including chlorine, chemicals, pesticides, herbicides and biological agents. For the full list of contaminants removed, see table on the next page.
- Installed as stand alone or post-softener.
- Alleviates skin irritation e.g. eczema and psoriasis.
- Rubber bases and rubber 'bumper bands' and addition filament winding to cope with the inevitable minor knocks.



TECHNICAL INFORMATION

FilterPro™ 'point of entry' deep bed filters are effective for the treatment of VOCs (Volatile Organic Chemicals), chemical compounds, pesticides herbicides and in particular THM (trihalomethanes) that are ever present in mains water supplies and recently proven to be carcinogenic. Our systems can also be used to remove odours in the home or work-place. In conjunction with our ozone product range we can provide an effective solution to sterilise air and surfaces in a matter of minutes.

Generally, adsorption takes place because all molecules exert forces to adhere to each other. Activated carbon adsorbs organic material because the attractive forces between the carbon surface (non-polar) and the contaminant (non-polar) are stronger than the forces keeping the contaminant dissolved in water (polar).

The typical surface area for Activated Carbon is approximately 1,000 square meters per gram (m²/gm). The adsorption capacity is approx 0.1Kg organics per Kg GAC at a flow rate of 8litres per minute per 0.03 cubic meters (m³) in a bed depth of approx.1m.

PureH2O FilterPro™ carbon is produced in the UK and certified to British Standards.

FilterPro RANGE

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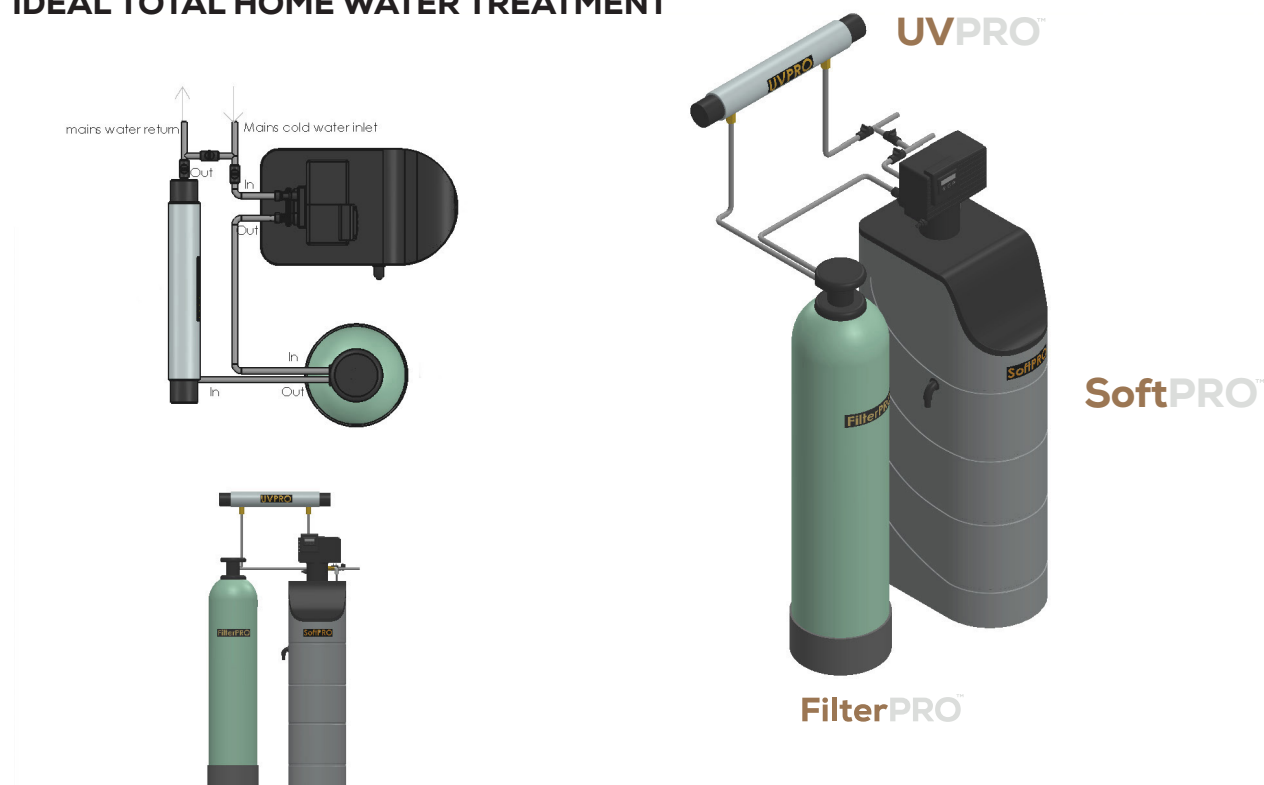
ORGANIC COMPOUNDS REMOVED BY THE FilterPro™ FILTRATION PROCESS

ORGANIC COMPOUNDS LIST *Priority pollutants	ORGANIC COMPOUNDS LIST *Priority pollutants	ORGANIC COMPOUNDS LIST *Priority pollutants
Acetic Acid Acetophenone Acetone * Acrolein * Acrylonitrile * Alaclors * Aldrin Ammonia Aniline * Anthracene Atrazine * Benzene Benzoic Acid Benzonitrile * BHC O, O Biphenol * Bis-(2-Chloroethyl) ether * Bromodichloromethane 2-(Bromoethyl) benzene * Bromoform Butaclor 2-Butoxyethanol Butyl alcohol Butylphenylether Carbofuran * Carbon Tetrachloride Chlorine * Chlorodane * Chlorobenzene 1-Chlorobutane 3-Chloro-2-(Chloromethyl)-1-propane 2-Chloro-2,6-Dinitrophenol 4-Chloro-2,6-Dinitrophenol * Chloroethane 2-(Chloroethyl) benzene * Chloroform 2-Chloro-N(methylethyl) N-phenylacetamide * 2-Chloronaphthalene 1-Chloro-3-nitrobenzine * O-Chlorophenol Chlorotoluene Cresol Diamino Toluene	* 1,2-Dichlorobenzene * 1,3-Dichlorobenzene * 1,4-Dichlorobenzene 2,3-Dichlorobutane Dichlorocyclohexane * 1,2-Dichloroethane * 1,1-Dichloroethylene Dichloroethylether Dichloroisopropylether * Dichloromethane * 2,4- Dichlorophenol * 1,2- Dichloropropane * DDD * DDE * DDT * Dieldrin N,N-diethylbutanamine N,N-diethylethanolamine Diethyl Ether Di-(2-ethylhexyl) phthalate * Diethyl phthlate Dimethylaniline N,N-dimethylbutylamine Dimethylhydroxybenzofuran Dimethylmalonic Acid * Dimethylphenol * 2,6-Dinitrotoluene 2,4-D * Endrin Epichlorhydrin Ethyl Acetate Ethyl Acrylate * Ethyl Benzene * Heptachlor Heptanoic Acid * Hexachlorobenzene * Hexachlorobutadiene * Hexachlorocyclopentadiene Hydroquinone 4-Hydroxy-4-methyl 2-Pentanone Indene Indole Isobutylraldehyde Isopropyl Alcohol	* Isophorone * Lindane O-Methyl Allyl Phenol Methyl Carbonate Methyl Cyclohexane Methyl Ethyl Ketone Methyl Parathion 4-Methyl-2-Pentanol 4-Methyl-2-Pentanone * Methylene Dichloride (Dichloro Methane) * Naphtalene Naphthol Nitro Aniline Nitro Benzene * 2-Nitrophenol * 4-Nitrophenol * N-Nitrosodi-n-propylamine Parathion * Pentachlorophenol * Phenol Phenylacetic Acid p-Phenylene Diamine N-Phenyl Formamide Phthalic Acid Propylamine Pyradine Quinoline Radon Resorcinol Styrene * 1,1,2,2-Tetrachloroethane * Tetrachloroethylene Tetrahyrdofuran * 1,2,4-Trichlorobenzene * 1,1,1-Trichloroethane * Trichloroethylene * 2,4,6-Trichlorophenol Triethylamine * Toluene Toluenediamine * Toxaphene Trihalomethanes * Vinylchloride Vinylidene Chloride Xylene

WHOLE HOME

Luxurious bathing water; SoftPro™, FilterPro™ and UVPro™ provide total home water treatment solutions.

IDEAL TOTAL HOME WATER TREATMENT



Left

SoftPro-15™, FilterPro-15™ and UVPro-15™

Whole Home installation.
Suitable for 1 cubic meters/
hour treatment. Sub-
counter installation.

Right

SoftPro-22™, FilterPro-22™ and UVPro-22™

Whole Home installation.
Suitable for 2 cubic meters/
hour treatment



PUREH2O™
WHOLE HOME WATER TREATMENT

**Call 01483 617000 to book an installation
or find out more at pureh2o.co.uk**

The PureH2O™ E&OE

**MADE
IN GREAT
BRITAIN** 

riba
product
selector

n55Plus