FilterPro RANGE

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

PUREH2O™
WHOLE HOME WATER TREATMENT

PRODUCT FEATURED >

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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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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 and 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.

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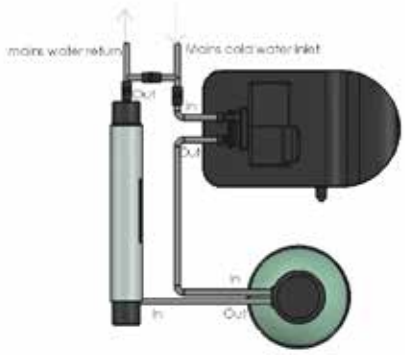
ORGANIC COMPOUNDS REMOVED BY THE FilterPro™ FILTRATION PROCESS

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

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The PureH2O™ E&OE