AQUA nouveau
A new concept in water quality

Drinking water system comparison chart

AESTHETIC PROBLEMS / IMPURITIES / CONTAMINENTS / DISSOLVED SOLIDS		PRODUCT CHOICE					
		Sediment Filters	Carbon Filters (GAC, block etc.)	KDF ™ & Carbon mix filters	Distillers	Ultraviolet (UV) systems	Reverse osmosis
AESTHETIC	*Colour*		✓	✓	●		●
	Odour		✓	✓	●		●
	Taste		✓	✓	✓		●
PARTICULATE MATTER	*Cloudiness*	✓	✓	●	●		●
	Dirt and silt	✓	✓	●	●		●
	Rust particles	✓	✓	●	●		●
	Sand	✓	✓	●	●		●
INORGANICS	*Aluminium*			⊘	●		●
	Arsenic			✓	●		●
	Barium			⊘	●		●
	Cadmium			✓	●		●
	Calcium (hardness)		❹		●		●
	Chloride				●		●
	Chlorine		✓	✓	●		●
	Chromium			✓	●		●
	Copper				●		●
	Flouride			⊘	●		●
	Iron		❸	✓	●		●
	Lead		❸	✓	●		●
	Magnesium (hardness)		❹		●		●
	Mercury			✓	●		●
	Nitrate			⊘	●		●
	Phosphates		❸	⊘	●		●
	Pottasium				●		●
	Selenium			✓	●		●
	Sodium				●		●
	Silver				●		●
	Sulphate				●		●
	Zinc				●		●
ORGANICS	*Benzine*		✓	✓	●		●
	Herbicides & Pesticides		✓	✓	●		●
	PCB's		✓	✓	●		●
	Petroleum		✓	✓	●		●
	Trichloromethanes		⊘	✓	●		●
	Tannins		✓	✓	●		●
BIOLOGICAL	*Algae*				●	●	●
	Bacteria	❶	❶/❷	❶/❷	●	●	●
	Viruses				●	●	●

The list of substances has been compiled to show the excellent performance characteristics of some systems and does not imply existence in a municipal water supply.

Notes:

❶ Most domestic filters are rated 5 to 10 micron. All filters below 1 micron absolute will remove bacteria, including giardia and crytosporidium

❷ Some activated carbon filters are impregnated with silver or contain KDF™ or other media which will inhibit bacteria growth.

❸ Carbon filters are available with selective resins and bone charcoal to reduce specific inorganics such as nitrates and heavy metals.

❹ Some on-line carbon filters are now being specifically designed to compete with jug filters and remove water hardness.

Key:

✓ Indicates effective reduction and improvement.

● Indicates outstanding reduction & improvement.

⊘ Indicates partial removal, improvement or modification.

Important: Water has a highly complex make-up. The reduction and removal characteristics can be adversely affected by certain imbalances, excessive contamination and pH. Independent advice should always be sought concerning private well and bore hole supplied water.

Tel: 01256 844044
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Aqua-Nouveau Limited
Unit 20, Basingstoke Enterprise Centre, West Ham Lane
Basingstoke RG22 6NQ. E-mail: *enquiries@aqua-nouveau.co.uk*
Fax: 01256 844045. Web site: *www.aqua-nouveau.co.uk*