

M.A.D.[®] protection against waterborne pathogens

The Mechanically Advanced Disinfection (M.A.D.[®]) technology in Pure Hydration's water purification systems can help to protect you against a broad spectrum of disease causing contaminants that may be found in water used for drinking. The following examples include a number of the principal causes of such as travellers' diarrhoea, together with potentially more serious diseases.

Causative pathogen	Disease (incl. where travellers' diarrhoea is a symptom)
BACTERIA	Note that additional complications may occur
<i>Campylobacter jejuni</i>	Campylobacteriosis, travellers' diarrhoea.
<i>Escherichia coli</i> (<i>E. coli</i>). There are 6 pathotypes which cause TD: <ul style="list-style-type: none"> • Shiga toxin-producing <i>E. coli</i> (STEC) also referred to as Verocytotoxin-producing <i>E. coli</i> (VTEC) or enterohemorrhagic <i>E. coli</i> (EHEC). <ul style="list-style-type: none"> • Enterotoxigenic <i>E. coli</i> (ETEC) • Enteropathogenic <i>E. coli</i> (EPEC) • Enteroaggregative <i>E. coli</i> (EAEC) • Enteroinvasive <i>E. coli</i> (EIEC) • Diffusely adherent <i>E. coli</i> (DAEC) 	Travellers' diarrhoea.
<i>Salmonella enterica</i> spp.	Non-typhoidal Salmonellosis, travellers' diarrhoea.
<i>Salmonella enterica</i> serotypes Typhi and Paratyphi (A-C)	Typhoid & Paratyphoid Fever.
<i>Shigella</i> spp. <ul style="list-style-type: none"> • <i>Shigella sonnei</i> • <i>Shigella flexneri</i> • <i>Shigella boydii</i> • <i>Shigella dysenteriae</i> 	Shigellosis, travellers' diarrhoea.
<i>Vibrio cholera</i>	Cholera.
VIRUSES	
Hepatitis A	Hepatitis A.
Hepatitis E	Hepatitis E.
Norovirus (Norwalk)	Travellers' diarrhoea.
Poliovirus	Poliomyelitis (Polio).
PARASITIC PROTOZOA	
<i>Cryptosporidium parvum</i>	Cryptosporidiosis, travellers' diarrhoea.
<i>Cyclospora cayetanensis</i>	Cyclosporiasis, travellers' diarrhoea.

PARASITIC PROTOZOA continued	
<i>Entamoeba histolytica</i>	Amoebiasis (including amoebic dysentery), travellers' diarrhoea.
<i>Giardia intestinalis</i> (also referred to as <i>Giardia lamblia</i> and <i>Giardia duodenalis</i>)	Giardiasis, travellers' diarrhoea.
HELMINTHS	
<i>Ascaris lumbricoides</i> nematode (roundworm)	Ascariasis
<i>Cyclops</i> copepod which is the intermediate host of the nematode (roundworm) <i>Dracunculus medinensis</i> (Guinea worm)	Dracunculiasis (Guinea worm disease)
<i>Echinococcus</i> cestode (tapeworm) <i>Echinococcus granulosus</i> <i>Echinococcus multilocularis</i>	Cystic echinococcosis (CE - Hydatid disease) Alveolar echinococcosis (AE)
<i>Taenia solium</i> cestode (tapeworm) eggs (which develop into larvae in human tissues)	Cysticercosis (incl. neurocysticercosis)

This list is for indicative purposes only, and is not exclusive. There are a number of additional pathogens that may cause infection from drinking contaminated water. Mechanically Advanced Disinfection (M.A.D.®) technology works to reduce all bacteria, viruses and parasitic protozoa (cysts) to levels that meet and exceed international standards for individual water purification products (see separate summary of independent testing results for performance), keeping you safe wherever you source your drinking water.*

Mechanically Advanced Disinfection (M.A.D.®) technology can also provide protection against heavy metals, pesticides, and volatile organic chemicals (VOCs) in drinking water (see separate summary of independent testing results for performance).



aquapure
traveller

The aquapure traveller™ is a personal individual water purifier (IWP) designed to provide protection against waterborne disease for overseas business and vacation travellers, expedition teams, and government, humanitarian aid and remote location workers.

Why choose the aquapure traveller™?

Protection against waterborne contaminants:

- ✓ Bacteria
- ✓ Parasitic protozoa (cysts)
- ✓ Viruses
- ✓ Helminths (worms incl. eggs and larvae)
- ✓ Heavy metals
- ✓ Pesticides
- ✓ VOCs

The integrated Mechanically Advanced Disinfection (M.A.D.®) purifier meets and exceeds the level of performance required by the US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers for the removal of microbiological pathogens. Additionally tested to US standards and proven to reduce chemical contaminants in drinking water.

The easy-to-squeeze FDA approved low density polyurethane bottle is impregnated with an antimicrobial to stop microbes growing on the surface.

The aquapure traveller™ is capable of quickly turning up to 350 litres (92 gallons) of potentially contaminated water into clear, clean, and safe drinking water.

Compact, lightweight*, extremely robust and simple to use, with no wait time before drinking, the aquapure traveller™ requires no batteries, no chemical additives, and fails-to-safe, while helping you to avoid the frequently neglected risk of dehydration.

*Capacity: 700ml (24 fl. oz.) with purifier cap fitted. Weight: 125g (4.4 oz.)

aquapure traveller™ can be used on creeks, streams, rivers, and lakes, and also protects from water of dubious quality from hotel taps, standpipes and fake bottled water wherever you may travel.

To see the aquapure traveller™ in action, scan the QR Code or click the link: <http://trvlr.com/mar185>

Designed and engineered in the United Kingdom to ISO 9001:2008 Quality Management Standard
The Design and Manufacturer of Personal Water Purification Systems

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M.A.D.® InLine Purifier Assembly
Mechanically Advanced Disinfection

Safe drinking water from contaminated sources using hydration reservoirs

The M.A.D.® IPA is a personal individual water purifier (IWP) to convert hydration reservoirs into purification systems. It is designed to provide protection against waterborne diseases for outdoors and overseas travellers, expedition teams, and humanitarian aid and remote location workers.

Why choose the M.A.D.® IPA?

Protection against waterborne contaminants:

- ✓ Bacteria
- ✓ Parasitic protozoa
- ✓ Viruses
- ✓ Helminths (worms)
- ✓ Heavy metals
- ✓ Pesticides
- ✓ Volatile Organic Chemicals (VOCs)

The Mechanically Advanced Disinfection (M.A.D.®) purifier meets and exceeds the level of microbiological pathogen reduction required by the US EPA Guide Standard and Protocol for Testing Microbiological Water Purifiers and the World Health Organisation (WHO). It has been additionally tested to US standards and proven to reduce chemical contaminants in drinking water.

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Compact, lightweight*, extremely robust and simple to use, with no wait time before drinking, the M.A.D.® IPA requires no batteries, no chemical additives, and fails-to-safe, while helping you to avoid the frequently neglected risk of dehydration.

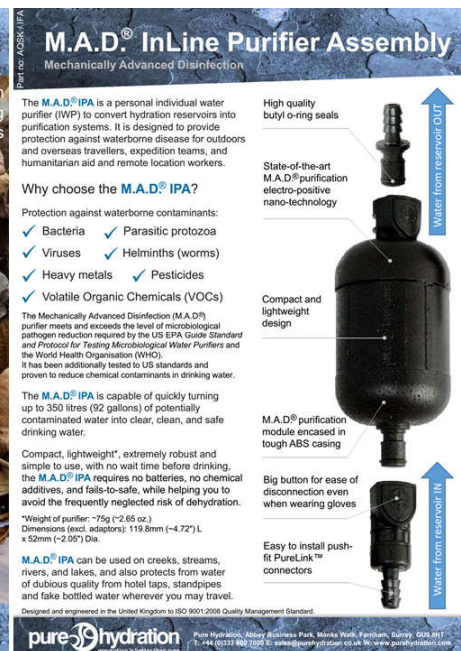
*Weight of purifier: 75g (~2.65 oz.)
Dimensions (exc. adaptors): 119.8mm (~4.72") L x 52mm (~2.05") Dia.

M.A.D.® IPA can be used on creeks, streams, rivers, and lakes, and also protects from water of dubious quality from hotel taps, standpipes and fake bottled water wherever you may travel.

Exceeds international standard requirements for removal of:
bacteria, viruses, parasitic protozoa and harmful chemical contaminants including metals, pesticides, volatile organic compounds

Designed and engineered in the United Kingdom to ISO 9001:2008 Quality Management Standard

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High quality butyl o-ring seals

State-of-the-art M.A.D.® purification electro-positive nano-technology

Compact and lightweight design

M.A.D.® purification module encased in tough ABS casing

Big button for ease of disconnection even when wearing gloves

Easy to install push-fit PureLink™ connectors

Water from reservoir/DUT

Water from reservoir/IN

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*Not for use with salt-water including sea water and brackish water sources.