

Aquathin Rural



DESCRIPTION:

- Raw/Source water is poured through a felt filter at the top of the upper tank. This filter removes solids including coarse sediment.
- The hand pump is then operated, which pumps the water through 2 filters:
 - an Aquathin Granular Activated Carbon filter which removes discolouration, tastes, odours and most organic compounds
 - an Aquathin Aquashield filter. This removes and inhibits the growth of bacteria, viruses and cysts.
- The filtered water then runs into the lower tank, from where it can be drawn off using the tap at the bottom.

SPECIFICATION:

- Frame: Aluminium or Steel
- Dimensions: 75cm x 60cm x 150cm (height) Mass : 45Kg - Aluminium unit.
- Tanks: Upper - 22 litres, Lower - 110 litres. Material - Food Grade UV-Resistant Polyethylene
- Felt Filter: 50 micron approx. Needle Felt Filter
- Pump: Heavy Duty Cast Iron Hand Operated Pump
- Aquathin Carbon Filter: 10 micron Unidirectional Granular Activated Carbon Filter. Requires annual replacement or earlier if taste of water deteriorates

- Aquathin Aquashield Filter: 1 micron. 11 litres per minute maximum flow rate. Contains integrated antimicrobial "Microban". Microban is non-leachable, non heavy metal, tasteless, odourless and colourless, and has an antimicrobial life of one year.

ADVANTAGES:

- Effective against cholera, plus a wide range of other microbes
- Can be used where no piped water or electricity are available.
- No waiting time - water can be used immediately.
- One year effective anti-microbial filter lifespan
- Externally mounted filters can be easily replaced in minutes without contaminating water in lower tank.
- Cost is less than the cost of treating one cholera infected family in hospital.
- Unit can deliver up to 100 litres per hour - satisfying the needs of several families.