

BSF Guidance Manual #7

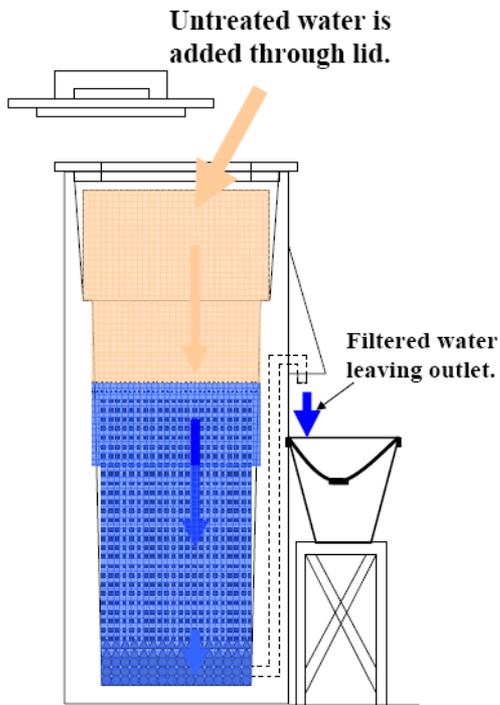
Responsibility and the BioSand Water Filter

January 2009

Dr. David H. Manz, P. Eng., P. Ag.

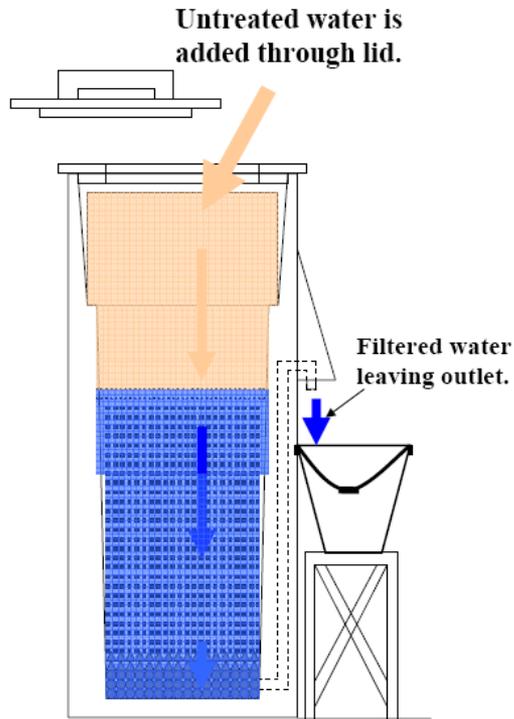
Copyright claimed by David H. Manz January 2009

Introduction

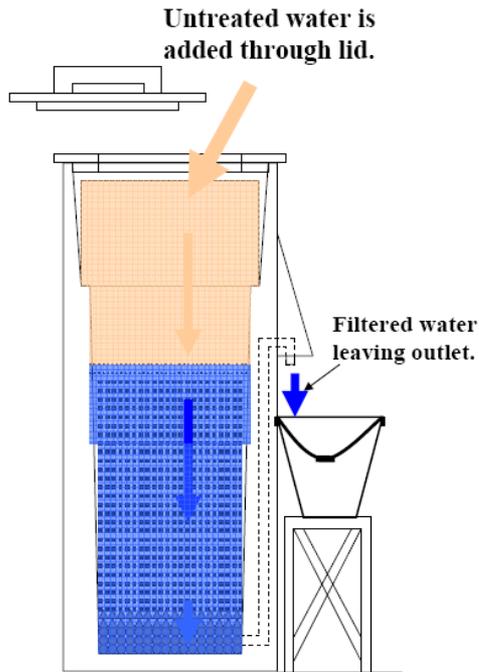


It is two decades since the beginning of the development of the water treatment technology known as the BioSand Water Filter. It has been a process of learning, thinking, discovering, experimenting, evaluating, engineering, communicating, sharing, discussing, explaining, educating and then repeating all or part of the process over and over again. The process continues at an ever accelerating rate involving many thousands of individuals and organizations around the world.

The introduction of the BioSand Water Filter, and the BSF technology in general, has been successful because access to clean, safe drinking water is important to everyone; and, the development of the BSF has welcomed anyone in the world to participate, responsibly, in the development process. The BSF technology is intended to be used by people throughout the world – to be effective, desirable and affordable everywhere.



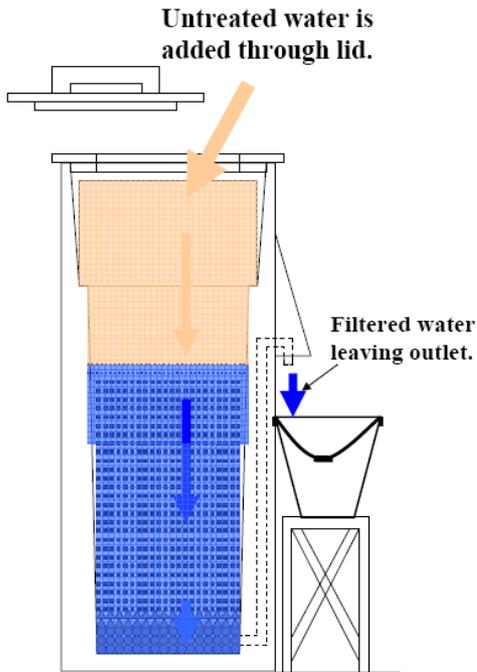
The success of the BSF technology requires responsible dissemination of the BSF technology to the tens of thousands of people from all walks of life, in all of the world cultures, to reach the millions and billions of people who would benefit from having access to water safe for drinking. The objective has always been to share the task of reaching out to the world in a manner which can harness the enormous and unpredictable motivation, passion, skills, resources and creativity of each of the participants. Each of the new 'trainers' promised to adhere to follow the design, installation, commissioning, operation, cleaning, and representation of the BSF technology to the consumers and to the 'new trainers'. The 'integrity of the dissemination process', the 'training of the trainers' and the 'responsibility of the trainers' was always recognized as the first critical step and the greatest risk to the 'BSF project'.



The responsibility of the trainers remains to transfer the technology to the intended user in exactly the same ‘honest’ and ‘correct’ manner that it was provided to them.

Over the many years of introducing the BioSand Water Filter to numerous individuals and organizations around the world it has become apparent that license is taken in the design, operation and every other aspect of the BioSand Water Filtration technology.

As well there have been many individuals and organizations who have elected to evaluate

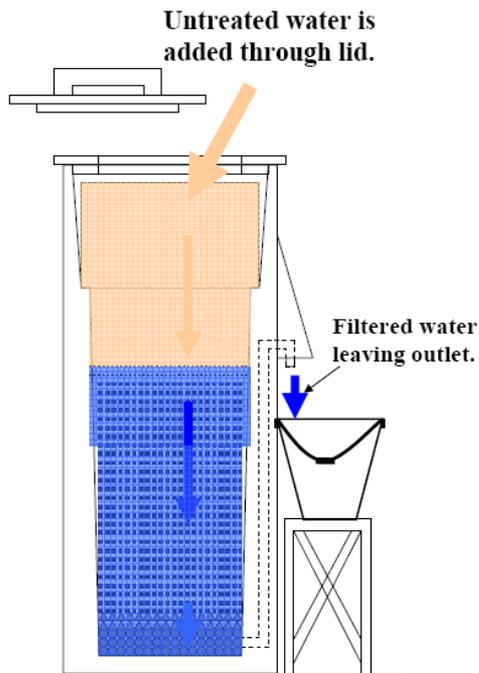


Continuity

It is true that the BSF technology can be successful for ten or more years. However, the most successful introductions of the BSF technology have provided for continuous long-term support to the recipients of the technology (local or otherwise – local is best).

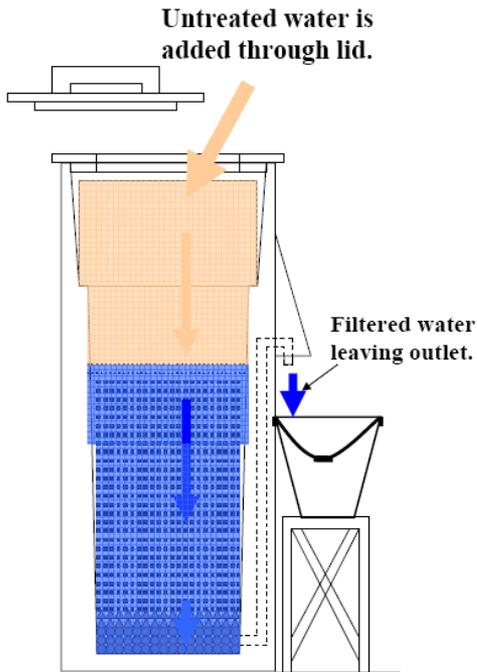
There is absolutely nothing unusual about this need. Every technological intervention requires the same kind of local support.

‘Improved Variations of the BSF’



‘Developing new variations’ of the BSF in an effort to overcome short term challenges (too heavy, etc.) is not usually constructive. The ‘new improved local variations’ typically result in some form of disconnect from the typical design of the concrete technology as described on the web site: www.manzwaterinfo.ca, which the ‘well meaning innovators’ do not replace. The beneficiaries of the ‘innovations’ are often left on their own and these BSF introductions are often not sustainable – by design. If the concrete BSF is too heavy use plastic, such as available on www.hydraid.org.

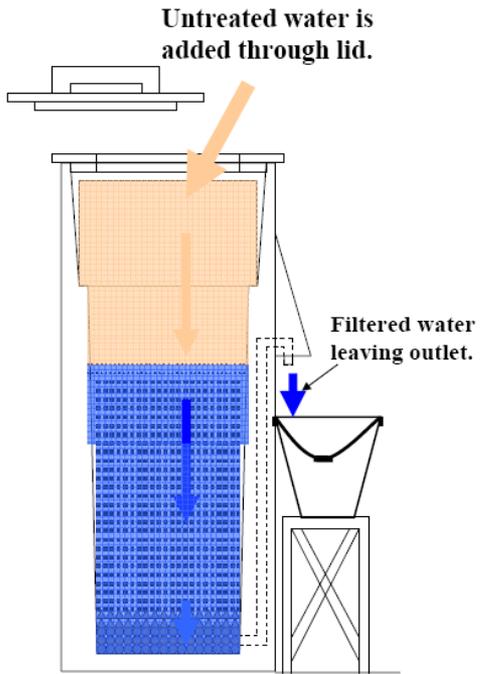
Recall, only the concrete version of the BSF is available without royalty. The only organization that has been licensed to manufacture and distribute the plastic and other versions of the BSF is International Aid (www.hydraid.org). Otherwise, a license is required from the owner of the BSF technology, Pure Filtered Water Ltd. of Calgary, Alberta, Canada who can be contacted at the web site: www.purefilteredwater.com.



Performance Evaluation of the BSF

It is very important that the performance evaluation of the BSF consider the discussion in BSF Guidance Manual #5.

Collection and dissemination of inaccurate data purporting to evaluate the performance of the BSF technology cannot be accepted as it is very damaging to the efforts to deliver opportunities to provide safe drinking water to the world.



Good Luck!