

20th Anniversary

IE expo China 2019

April 15-17, 2019. Shanghai New
International Expo Center (SNIEC)



Manz Engineering Ltd.

Manz Filter Systems and the **CABIN** "Clean Water Filter"

Dr. David H. Manz, P. Eng., AOE, FCAE
President

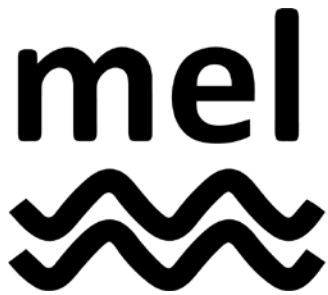


Manz Engineering Ltd., Calgary, AB, Canada.

Email: davidmanz@shaw.ca

Web site: www.manzwaterinfo.ca & www.cabincleanwaterfilter.com





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Dr. David H. Manz, P. Eng., AOE, FCAE
President

**Manufactures and markets the MEL
Filter System – a unique slow sand
filter that is cleaned using backwash:**

- **Manz Engineering Polishing Filter**
when treating water for removal of
suspended solids.
- **Manz Engineering Biological Filter**
when treating water for removal of
pathogens as well as suspended solids.
- **Manz Engineering Carbon Filter** for
removal of dissolved organics.
- **Manz Engineering Roughing Filter** for
removal of larger suspended solids.

曼兹工程过滤系统可用于处理：

- **曼兹工程 - 抛光过滤器**
用于清除水中的悬浮物体。
- **曼兹工程 - 生物过滤器**
用于清除水中病原体 and 悬浮物体。
- **曼兹工程 - 碳过滤器**
用于去除溶解的有机物。
- **曼兹工程 - 粗加工过滤器**
用于去除较大的悬浮颗粒体。



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Manz Engineering Filter Systems may be used to treat:

- Surface water (direct filtration and substitute for traditional slow sand filtration.)
- Ground water (substitute for multi-media and greensand filters).
- Ground water under direct influence of surface water (direct filtration and substitute for traditional slow sand filtration).
- Pretreatment for membrane, electrodialysis reversal and other processes requiring feed water with low silt density index.
- Municipal wastewater that has been treated to tertiary (perhaps secondary) standards.
- Rainwater.
- Storm water.

曼兹工程过滤系统可用于处理:

- 地表水（直接过滤和替代传统的慢速砂过滤）。
- 地下水（替代多媒体和绿砂过滤器）。
- 地表水直接处理后生成的地下水（直接过滤和替代传统的慢速砂过滤）。
- 预处理过滤膜，电渗析反转和其他需要低泥沙密度指数给水过程的预处理。
- 已经处理为三级（可能是二级）标准的城市污水。
- 雨水。
- 雨雪融化水。



2m x 4m x 2m SS



Pilot Filter



4m x 4m x 2m SS



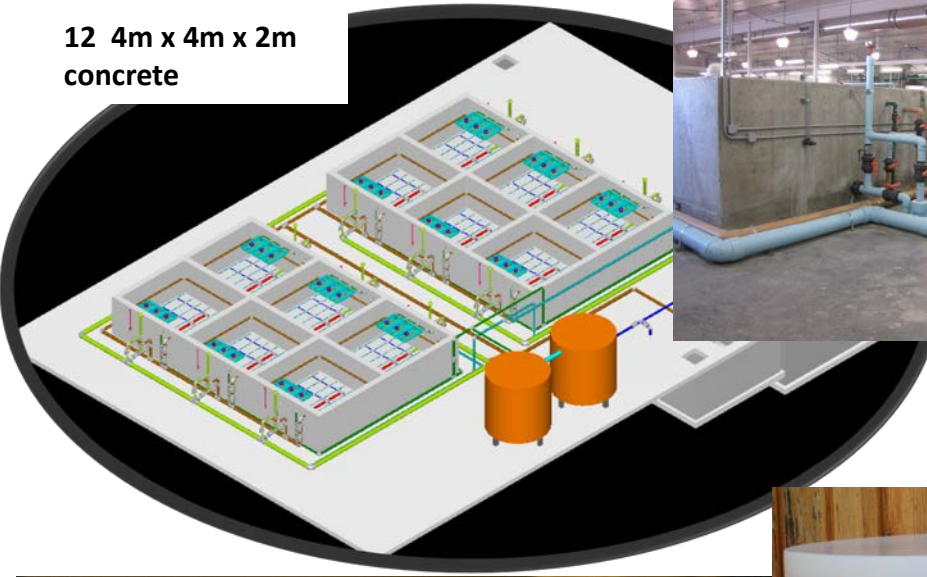
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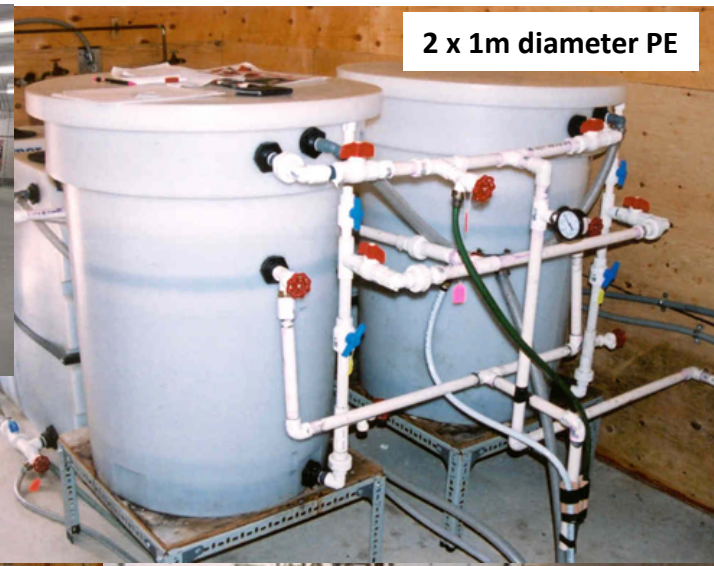
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12 4m x 4m x 2m
concrete



2 x 1m diameter PE



8 x 2m diameter PE



9 x 3.5m diameter PE
1 x 5m diameter SS

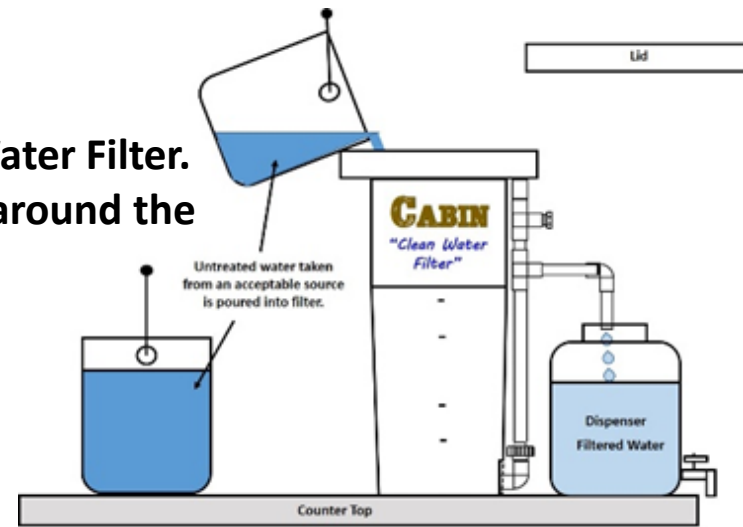


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- Improved type of BioSand Water Filter.
- More than 2,000,000 in use around the world.
- 25 years of experience.



Provide safe water for:

- Rural communities (homes, apartments, schools, clinics, hospitals, businesses, hotels, restaurants).
- Urban communities (homes, apartments, schools, clinics, hospitals, businesses, hotels, restaurants).
- Community development (provision of safe water throughout developing world).
- Emergency relief (flood, earthquake, cyclone, hurricane).
- Emergency backup.
- Humanitarian aid (provide safe water to developing countries).
- Camps.
- Boats.
- Mobile homes.



可为以下各个方面提供安全用水：

- 农村社区（家庭，公寓，学校，诊所，医院，企业，酒店，餐馆）。
- 城市社区（家庭，公寓，学校，诊所，医院，企业，酒店，餐馆）。
- 新开发社区（在整个世界发展中国家提供安全用水）。
- 紧急救援（洪水，地震，龙卷风，飓风）。
- 紧急备用。
- 人道主义援助（向发展中国家提供安全的用水）。
- 野营地。
- 船只。
- 移动房屋。

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Treat:

- Groundwater (wells, springs).
- Surface water (rivers, lakes).
- Rain water.
- Piped water (treated or previously treated supplies).
- Trucked water (any type of delivered water).

可处理:

- 地下水（井水，泉水）。
- 地表水（河流，湖泊）。
- 雨水。
- 管道水（已经过处理或已前处理过的用水）。
- 罐装水（任何类型的输送水）。



- Effectively treats water in BOTH rural and urban communities to a quality safe for drinking (same as any of the Manz filters).
- Treats up to 12 L/h.
- Simple to use correctly (manual or automated).
- Acceptable to consumer.
- Inexpensive to consumer.
- Inexpensive to manufacture with very good quality control.
- Easily transported (by any means).
- Easily marketed in both rural and urban communities anywhere in the world (potential for internet marketing).

Market potential in China is very large.

Export potential is larger.



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My objectives:

1. To find partner(s) to manufacture and market the Manz Engineering filter technology and the Cabin Clean Water Filter in China.
2. To find partner(s) to manufacture and market the Manz Engineering filter technology and the Cabin Clean Water Filter throughout the world.

Opportunity for Chinese Companies to participate in 'Corporate Social Responsibility' projects in China and around the world.

参与合作的中国公司将有机会参加“企业社会责任”项目在中国和世界各地的合作项目。



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Thankyou.



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