

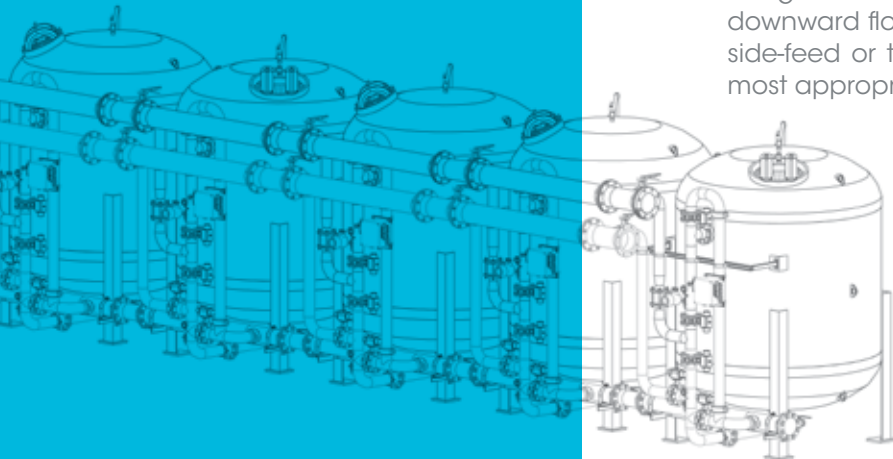
# Pressurized Filters

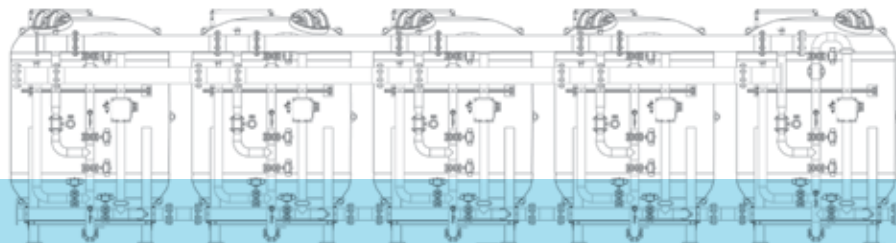


H<sub>2</sub>O Innovation® designs a variety of pressurized filters for water purification. Our experience enables us to combine the best pressure vessel materials of construction, the most suitable media, and the most effective methods for their automation and control.

Our commitment and expertise are your guarantee of:

- **Materials that are a perfect match for the needs of your application:** Whether they are made of fibreglass, reinforced plastic composites (FRP), stainless steel of various grades, or carbon steel, you can be sure of the superior quality and reliability of filters designed and manufactured by H<sub>2</sub>O Innovation®. Our experts ensure that every one of our products employs materials that are compatible with the water to be treated and the filtering media, so that our systems are robust and long-lasting.
- **High-performance media selected to match the filtration process:** Based on detailed analysis of the water or fluid to be treated, H<sub>2</sub>O Innovation® works with you to identify the ideal medium for the process: anthracite, sand of various grain-sizes, tiered media or resins for the removal of miscellaneous elements and compounds. For most of the traditional applications, we can offer you an effective, tested solution. In some cases, we may recommend a pilot-scale unit to identify the appropriate medium. In such cases, we are able to offer this service at minimum cost, using our existing units, available on short notice.
- **An optimal filtration mode:** For certain applications, the method of filtration is a critical aspect of the treatment process. Our experts develop custom solutions in which all aspects of the problem are taken into account. This ensures an optimal design for the filtration process. Whether it requires an upward or downward flow, a vortex effect, vertical or horizontal tanks, with side-feed or top-feed headers, we will always recommend the most appropriate flow path for increased system performance.





**Automation to match your needs:** H<sub>2</sub>O Innovation<sup>®</sup>, a UL (and CSA) recognized company, designs and manufactures its own control panels to ensure an automatic system that operates in perfect harmony with the treatment process. We can offer you a variety of options, from simple control boxes to the most sophisticated PLC and SCADA systems, depending on your needs and your budget.

## TYPES OF MEDIA EMPLOYED

- Anthracite
- Greensand
- Multimedia
- Limestone bed
- Ion-exchange resins: Cationic, Anionic, Mixed bed

## HIGHLIGHT PROJECTS

- Coolidge (AZ)**  
 2.05 MGD (323 m<sup>3</sup>/hr)
- City of Winkler (MB)**  
 1 MGD (158 m<sup>3</sup>/hr)
- Sousse (Tunisia)**  
 0.81 MGD (127.5 m<sup>3</sup>/hr)
- Hydro-Québec / Carillon power house (QC)**  
 172,800 GPD (27.25 m<sup>3</sup>/hr)
- Hydro-Québec / Chute Bell power house (QC)**  
 172,800 GPD (27.25 m<sup>3</sup>/hr)
- De Beers (ON)**  
 72,000 GPD (11.36 m<sup>3</sup>/hr) and 36,000 GPD (5.68 m<sup>3</sup>/hr)

## SOLUTIONS FOR THE REMOVAL OF

- Calcium
- Iron
- Manganese
- Nitrate
- Hardness
- Acids
- Colour
- Arsenic
- Barium
- Sulphides
- Uranium
- Organic colloids



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