

PURE SOLUTIONS WATER TREATMENT INC.

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RE: PERFORMANCE OF HALLETT UV UNITS

We have found that the Hallett system with its patented Crossfire technology is far superior to conventional ultraviolet units due to its unique design. The UV lamp is outside of the water flow which alone reduces baked on build up on the quartz sleeve and the units also have an additional device to remove any deposits that may travel with the source water and contact with the sleeve.

The first units that were installed in Western Canada, October 2003, went into a ski cat operation in Fernie, BC. Two Hallett 30 units were installed to provide the treatment for the entire resort. I was skeptical at first but welcomed the opportunity to install these units since softening equipment would constitute an additional cost and dealing with the back wash water was another concern. With the Hallett system, I didn't need to add a softener.

The mineral source that supplies Island Lake Resort with its potable water has a hardness level of 650ppm or 38gpg, which causes horrendous maintenance problems with any conventional ultraviolet unit, even those with automatic cleaning devices.

Water quality is crucial in UV treatment and when the hardness minerals in this water build up on the quartz sleeve, these minerals reduce the ability of ultraviolet light to disinfect the water. UV Pure has designed a unit that deals with this hardness issue and also higher concentrations of common metals.

The Hallett design is by far the most advanced ultraviolet treatment unit for water that we have used. In our experiences we have not seen any unit out perform the Hallett unit, especially when dealing with high hardness in the water.

We do not hesitate to endorse this product.



Ian D. Bourne, CTech
Pure Solutions Water Treatment Inc.
