

## FiberFlo® Hollow Fiber Filters

### APPLICATION BRIEF: HOT WATER SANITIZATION OF HOLLOW FIBER FILTERS

This Application Brief pertains to Heat Compatibility of Hollow Fiber Devices. In particular, the FiberFlo® endotoxin retentive filter products and whether these filters can be used during hot water sanitization and/or disinfection modes of operation.

The filter construction will tolerate limited hours of high temperature operation with water. Excessive operation at temperatures above 65°C will damage the filter integrity. The damage to filter integrity is related to the actual temperature and the number of hours at that temperature. Therefore, with regard to operation at greater than 65°C, be advised of the following guidelines with operation in water only:

- Feed water pressure must be maintained below 20 psi and less than 2.5 pressure drop across the filter cartridge.
- Testing and field data indicates that the filters can tolerate 100 sanitization/disinfection cycles at less than 85°C over 6 months without compromising the filter's integrity.
- A sanitization/disinfection cycle is defined as a 4 hour temperature ramp up and a 1 hour hold period, then a 30 minute cool down to ambient temperature. It is important to control the temperature to less than 85°C at all times.
- Unlimited or excessive hot water cycles will damage the filter integrity and void the warranty.

