

CASCADIAN® ICS-TP Specifications and Operating Conditions:

| Item Number | Raw Water Parameter | Condition for Operation | Details | |
|---|-----------------------------------|-------------------------|---------------------|---------------------|
| ICS-TP (Taste & Odor / PolyHalt®) | Bacteria | None Allowed | Dimensions | 7.5" x 8.5" x 29.5" |
| | Chlorine | <3 ppm | Connection | 1" |
| | Colloidal Iron | NA | Max Capacity | 12 months |
| | Hardness | Max 25 grains (427 ppm) | Best Treatment Flow | 4-8 gpm |
| | Hydrocarbons, oils, or lubricants | None Allowed | Max Flow | 15 gpm |
| | Hydrogen Sulfide | None Allowed | Max Pressure | 120 psi |
| | Iron & Manganese (Clear Only) | <6 ppm Combined | Min Temperature | 39.2° F |
| | Iron & Manganese (Colored) | <0.3 ppm | Max Temperature | 113° F |
| | Iron Bacteria | None Allowed | No. of Filters | 1 |
| | Organic Iron | None Allowed | Dry Weight | 18 pounds |
| | pH | >6.0 and <8.5 | | |
| | Sediment | >5 micron | | |
| | Silica | <100 ppm | | |
| | Tannin / Organics | None Allowed | | |
| | Turbidity | <1 NTU | | |

General and Common Information for all ICS Systems:

- If Raw Water Parameter Condition for Operation = “NA” the systems will not affect and is not affected by concentrations of that parameter typically found in drinking water
- If Raw Water Parameter - Condition for Operation = “None Allowed” Remove through adequate pre-treatment
- If Raw Water Parameter - Condition for Operation = “Not for extreme levels” The cartridge useful life may be shortened and require more frequent replacement.
- Water conditions outside of the above specified limits may lead to a shortened filter life.
- All stated flow rates are intermittent flows. Constant flows may affect results.
- Extreme levels of any parameter may shorten useful cartridge life
- Stated “Max Capacity” is just that, it is the maximum capacity of the filter. Your water chemistry may reduce Max Capacity and more frequent filter replacement may be required
- Iron and manganese treatment does not include iron in the following forms:
 - Colloidal (submicron sized iron particles)
 - Organically Bound (iron that is bound to an organic substance such as tannins)

Typically, the presence of colloidal and organic iron and manganese is determined after the usual treatments for iron and manganese are inadequate or fail. There are specialty treatments for iron and manganese in the colloidal and organic forms. Please contact us for assistance.

WARNING:

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after unit.

