

WHY USE FILTRATION ?

The BRS systems provide staged filtering. This helps clarify the brine. The cleaner the brine, the more effective the treatment process.



Filtration

Filters are designed to trap various kinds of debris, dirt, and organic particles that will otherwise enter your equipment and/or plumbing system, restrict flow and create a breeding ground for bacteria. Filtration is the first line of defense. **The first step in achieving clean water/brine is to install a filtration device that effectively removes particulate matter and similar debris.** Filters used in staged filter housings are configured as illustrated on BRS system trade ads. If fluid conditions require additional micronic particle trapping for enhanced results, mesh filters for ST/ST tanks are available in various micronic sizes (providing flexibility & adaptability to meet the needs of all fluid conditions & applications).

WHY USE OZONE TREATMENT?

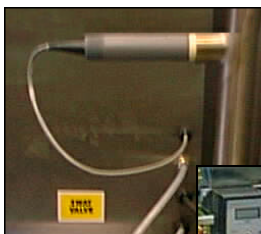
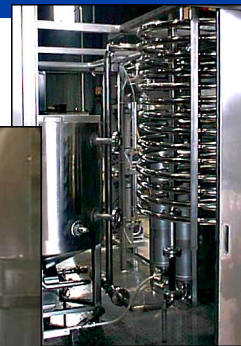
The system operates with an ozone generator that provides the ozone to accomplish brine clarification and disinfection.

Ozone Generator

Ozone is a natural, safe way to purify fluid in many different applications. The Ozone Generator converts oxygen (O_2) into Ozone (O_3) by the action of the corona discharge system. Ozone is then injected into the fluid where it destroys viruses, bacteria and many other microorganisms.

Ozone System Bypass

A manual bypass is integrated into the treatment system. **Ozone bypass will allow for periodic review and adjustment of the ozone injection system, for quality control measures.** When the system is in bypass mode, TWT deposit control, UV disinfection & recirculation ability will ensure continual (uninterrupted) disinfection and bacterial reduction, during review and adjustment period .



ORP (Oxidation Reduction Potential)

The ORP monitor and adjustable controller continually monitors the ORP (a proxy for ozone content) of the fluid and automatically adjusts the ozone generator accordingly to achieve a stable ORP (and therefore ozone content) via an inline sensor.



For additional information on why TWT Deposit Control Technology, UV Disinfection/Purification and other related processing equipment is used in the BRS Treatment Systems contact your distributor