

Applications

Below is a list of the 18 product applications identified to date, separated into three sectors.

Municipal

- a) Membrane Systems using R3F Technology as Pre-treatment.
- b) Small Community Water Treatment Systems in developed countries where the focus is on low cost methods to remove 2 to 15 micron particle size range as a method to eliminate pathogens in potable water**
- c) Filtration Packages for Large Water Treatment Utilities.
- d) Arsenic Removal Treatment Systems using the R3F Technology to manage adsorption or ion exchange media.**
- e) Municipal Waste Water Treatment for reuse as irrigation waters, wash waters, fire protection, aquifer recharge, etc.**
- f) Small Community Water Treatment Systems for Developing Countries (Third World Market).

Industrial

- a) Sediment Removal for waters being discharged to watercourses from industrial or construction sites.
- b) Metal Removal for ground water remediation.
- c) Hydrocarbon Removal for groundwater or oil and gas exploration facilities.
- d) Pre-treatment for Boiler Feed Water Systems.
- e) Filtration of Produced Water/Oil-Gas Production.
- f) Filtration of Aquaculture water (fish farms).
- g) Filtration of Cooling Water Systems.
- h) Waste water reuse
- i) Powder Activated Carbon –fixed bed applications for organic removal.
- j) Powder Ion Exchange Resin systems for ion exchange

Agricultural

- a) Filtration for Irrigation Systems.
- b) Animal Feeding Operations filtration systems.**