

## Ultipor® GF Plus Nuclear Grade Filters

### Description

Pall nuclear-grade disposable cartridges use proprietary Pall Ultipor® GF Plus media as a fundamental resource. The medium uses a binder resin which coats the glass fibers, imparting a positive zeta potential in aqueous service. These filters also have an integrally bonded fixed pore structure that produces a rugged composite medium, which resists unloading or media migration.

### Applications and Performance

The Ultipor® GF Plus medium is available with ratings as fine as 0.1µm, and is capable of electrostatically stopping even smaller negatively charged particles. Ultipor GF Plus medium's higher void volume enables higher flow rates at lower initial pressure drops, resulting in longer on-stream life. The medium's exceptional dirt-holding capacity and high efficiency also enables plants to reduce the frequency of change-outs.

The nuclear-style disposable filters are available in over 160 different types. Pall-Fit cartridges for direct replacement of other commercially available string-wound cartridge or basket assemblies are also available. These disposable cartridges, designed for irradiated service, are supported by a perforated stainless steel inner core and outer cage. Internal tie rods (or welded cages) connect the top and bottom end caps and reinforce cartridge integrity, even when the element is handled remotely and lifted from the filter vessel.

Pall's disposable nuclear cartridges have set the standard for over 30 years and can be found in many nuclear plant applications around the world including:

- Fuel Pool Filters
- Seal Water Injection/Return
- Reactor Coolant Letdown Pre/Post
- Radwaste Filters
- Chemical Addition Filters
- Recycle Evaporator Filters

Please consult your Pall representative for specifications.



### About Pall Ultipor® GF Plus

Pall Ultipor® GF Plus filter cartridges are made with highly efficient glass fiber filter media pleated into low pressure drop modular filter elements, and feature:

- High-area pleated medium
- Low differential pressures
- Particulate rated in liquids
- High-capacity for long life
- Fixed pores to prevent unloading



## Power Generation

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