

AMFM-B500 Filtration System

Description

The AMFM-B500 filtration system includes:

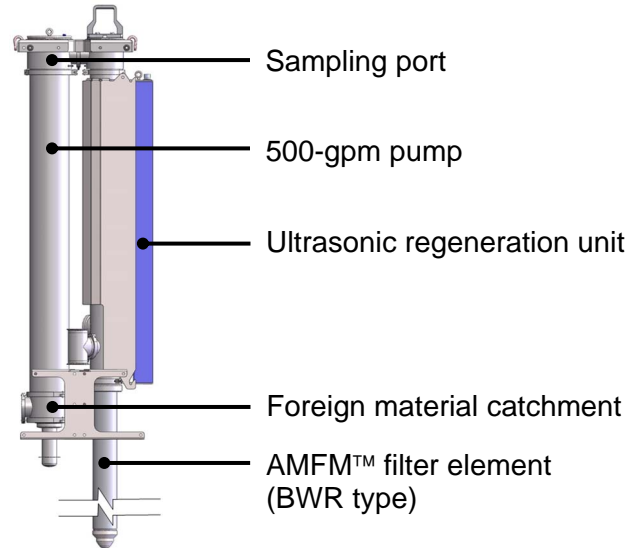
- One high capacity AMFM™ filter element
- 500-gpm pump unit
- Ultrasonic regeneration unit
- Modular frame and mounting hardware (hanging-style or free-standing base)

The ultrasonic regeneration kit uses a patented process to regenerate the capacity of the AMFM™ many times over its long service life.

Applications

Because the AMFM™ can be easily moved using the plant's fuel handling equipment, the AMFM-B500 is a versatile tool for a variety of vacuuming and filtration activities in the spent fuel pool and reactor cavity. Applications include:

- Convenient replacement or supplement to the plant's spent fuel pool purification system (decommissioning or operating units)
- General high flow filtration
- Traditional or custom vacuuming of corrosion products, foreign material and other debris (ROV, hydrovac, skimmer, underwater repairs and segmentation, guide tubes, fuel and fuel racks, and reactor vessel)



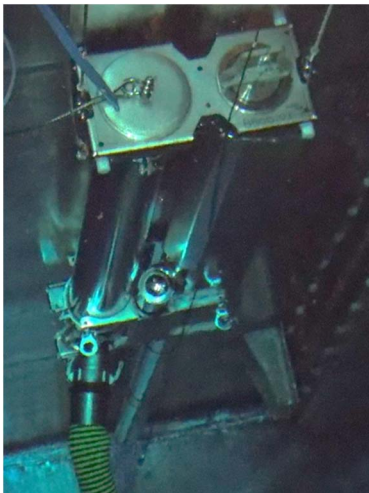
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Plant Experience and Benefits

- \$800k/year savings demonstrated with plant experience (two-unit BWR site)
- Each AMFM™ filter element eliminates up to 400 plastic filters and can remain in-service throughout plant life and decommissioning
- Saves outage time and reduces radiation exposure by eliminating plastic filter changeouts and management activities

Features and Specifications

- Flow rate—500 gpm (multiple modules can be used to achieve higher flow rates)
- Dry weight—900 lbs (with all components)
- Electrical—Requires one 40 Amp, 3-phase 480 V receptacle
- Conveniently adapts to mate with standard vacuuming tools
- Catalogue of custom attachments available (demineralization module, ultrasonic cleaning and vacuuming tools, etc.)



AMFM-B500 installation and control unit