Hydrodynamic Seal Cartridge
AREVA JSPM Hydrodynamic Seal Cartridge

Incorporating industry lessons learned in the post-Fukushima environment, it has become increasingly important to have reliable operating equipment that you can depend on to provide critical safety margins to work within during your post Station Blackout (SBO) mitigation scenarios. Removal of the Reactor Coolant Pump shaft sealing systems from your areas of concern will allow you to focus on other critical areas.

That’s why utilities can depend on the AREVA JSPM Hydrodynamic Seal Cartridge for SBO Scenarios. Extended SBO testing has validated the AREVA JSPM Hydrodynamic Seal Cartridge to be reliable in withstanding the rigors of post SBO conditions and loss of seal cooling. Our seal cartridge had no leakage during 72 hours at full pressure and temperature. There was a minimal 5.7 gallons of total leakage over the 120 hour duration.

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Benefits:
• Validation with extended (120 hour) SBO testing
• Proven reliability, cartridge design for ease of installation, reduced maintenance periods with extended service life (10 years or more)
• Three stage hydrodynamic shaft sealing system for Model 93 and 93A RC Pumps
  - Equal pressure drop across each stage
  - Single stage capable of withstanding full system pressure with full cycle run possible on two stages

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