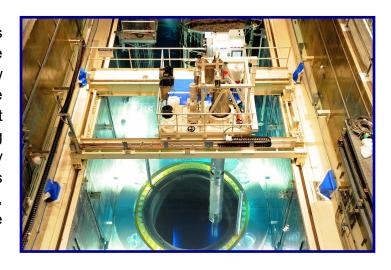
RHEOTHERM® FLOW INSTRUMENTS

Radiation Hardened Flow Meters

Environments with high levels of radiation create special challenges, as a single charged particle can knock thousands of electrons loose, leading to signal spikes and electronics noise, which may result in inaccurate or unintelligible signals. This is a particularly serious problem in the design of spacecraft and nuclear power stations.

Bionetics has been supplying the Nuclear Industry since 1983

For nearly 50 years, Rheotherm flow meters have proven to be a robust and accurate solution for industrial and aerospace flow measurement applications. A low maintenance design with no moving parts and excellent chemical compatibility has lead to a long useable equipment life. This same reliability from Bionetics' Rheotherm thermal flow meters has led to their use by the nuclear industry, specifically in applications that has or may have radiation present.





Rheotherm flow meters are suitable for total integrated dosage levels of:

- 30MRad Low Rad design
- 1000MRad High Rad design

Bionetics Corp.

770 Brooksedge Plaza Dr. Westerville, OH 43081 Phone: 614-895-0301 Fax: 614-895-0319 Sales-flow@bionetics.com www.bioneticsflow.com





Nuclear Process Application Examples

Applications – Fluid Calibrations ranges from as low as 0.4 Nm3/hr to as high as 60 Nm3/h for use on process gases including argon mixture, helium, hydrogen, air, and P10 gas

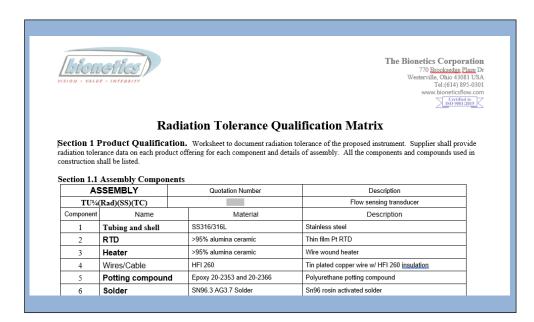
Customer Satisfaction - Project Manager reported satisfaction with our Rheotherm meters, and technical support to date. As the project came to a close, Mark stated he wished all of his vendors were as professional as Bionetics.

Applications – Fluid Calibrations from 0.036 to 5,675 kg/hr; liquids include sodium hydroxide, salt solutions

Customer Satisfaction - Project Manager reported satisfaction with our *Rheotherm* meters, and technical support to date.

Application – Fluid Calibration 5-100 Kg/hr of uranium hexafluoride gas
Customer Satisfaction - Project Manager reported pleased with our Rheotherm meters, and technical support to date. The customer said, "You did a great job!"

- No moving parts
- Choice of wetted materials
- Advanced signal processing electronics
- Field adjustable
- Maintenance-free
- Long-term reliability





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