

Calibrated Safety Devices

flow monitors and
flow meters



In Particle Accelerators since 40 Years

Eletta Flow Monitors and Meters from Sweden have been used in the particle accelerator laboratories and related industry worldwide since decades.

With a reliable and safe duty in protecting magnets from overheating by supervising the cooling water system, the Eletta Flow Monitors have served their purpose from the start in the early 70's. We have installations which are over 20 years old and still work perfectly well, without any maintenance. The flow monitors shut the system down in case of a sudden interruption of the water flow. Due to its simple and robust design the reliability is undoubtedly extremely high for these calibrated safety devices.

Eletta's products have some unique characteristics which make them extremely well suited for applications in particle accelerators:

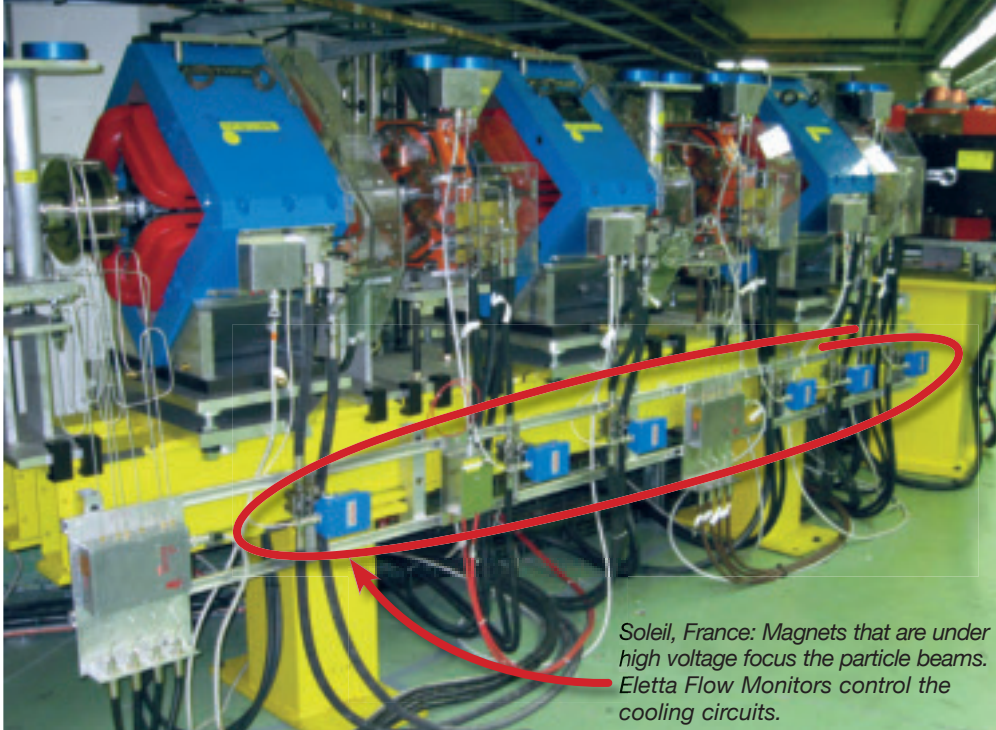
- **Insensitive to magnetic fields.** Due to the fact that some of our products are entirely mechanical. Also they have no reed switches or galvanometers
- **Resistant to local radiation.**
- **No moving parts.** All flow monitors and meters are built according to the differential pressure principle using an orifice plate.
- **Resistant to additives in the water.** The design combined with optional canigen plating make them very durable.



*The M-series
– flow meter equipped with pressure sensors*



*The S-series
– mechanical flow monitor*



Soleil, France: Magnets that are under high voltage focus the particle beams. Eletta Flow Monitors control the cooling circuits.

Examples of installations:

- ALBA, Spain
- ANKA, Germany
- BERC, China
- BESSY, Germany
- CEA Saclay, France
- CERN, Switzerland
- CLS, Canada
- DLS, United Kingdom
- ESRF, France
- GANIL, France
- GSI, Germany
- IKP, Germany
- KVI, the Netherlands
- Laboratoire national d'Argonne, France
- NSRRRC, Taiwan
- PSI, Switzerland
- Soleil, France
- The Svedberg Laboratory, Sweden
- Trieste Scpa, Italy
- University of Jyväskylä Accelerator Laboratory, Finland



— FLOW MONITORS —