KRYOLIZE

Kryolize is a software tool for sizing the minimum discharge area of a safety protection device, against overpressure. Based on international (ISO), European (EN) and American (API) standards, Kryolize allows for the calculation and sizing of safety valves for cryogenic systems. It is a novel tool that will help engineers with a uniform approach in the sizing of safety valves for cryogenics applications.

Artwork Credit: Xavier Cortada (with the participation of physicist Pete Markowitz), "In search of the Higgs boson: H - > gamma gamma", digital art, 2013.

FEATURES

- Promotes methodology standardisation.
- Ensures safe practice in cryogenic systems handling.
- Based on international standards.
- Time-saving.

APPLICATIONS

- Valve manufacturers.
- Cryoplant manufacturers and design offices.
- Cryogenic systems at research laboratories.
- Cryogenic gas suppliers.
- Scientific Community.

ADVANTAGES

- Up to three sensors may be calibrated in one session.
- High resolution magnetic calibration of Hall sensors in three dimensions.

AREA OF EXPERTISE

- ICT
- Cryogenics

IP STATUS

- Trademarked

TECHNOLOGY READINESS LEVEL

- First release

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Find out more at:
kt.cern