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Planning

1" Cryogenic Vacuum Insulated Control Valve

Health and Safety Executive

UK3: Planned procurement notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2026/S 000-000197

Procurement identifier (OCID): ocds-h6vhtk-05ff19

Published 5 January 2026, 10:53am

Scope

Description

HSE require a 1" cryogenic control valve for an experimental programme. The valve must be suitable for liquid hydrogen service (down to 20 K) and have continuous analog control between 0 - 100% open. The valve should be controlled electrically and be rated for ATEX Zone 1.

The valve should be vacuum insulated and use bayonet connections (male to female AS Scientific bayonets). The valve should have a maximum allowable working pressure of 22 barg.

Nominal process conditions:

Hydrogen, 20 - 30 K, 0 - 0.5 kg/s, 0 -12 barg

The equipment is required for use at the HSE Buxton (SK17 9JN) test site.

HSE is seeking to understand the design of potential solutions and the associated costs of manufacturing this equipment.

Suppliers should email tenders@hse.gov.uk with any questions and costs associated with

supplying the above.

Total value (estimated)

- £22,000 excluding VAT
- £26,400 including VAT

Below the relevant threshold

Contract dates (estimated)

- 2 March 2026 to 30 September 2026
- 6 months, 29 days

Main procurement category

Goods

CPV classifications

- 38810000 - Industrial process control equipment
- 44162000 - Piping

Contract locations

- UK - United Kingdom

Submission

Publication date of tender notice (estimated)

12 January 2026

Tender submission deadline

9 February 2026, 11:59pm

Procedure

Procedure type

Below threshold - open competition

Contracting authority

Health and Safety Executive

- Public Procurement Organisation Number: PBXM-4389-TXVZ

Redgrave Court, Merton Road, Bootle, Merseyside

Liverpool

L20 7HS

United Kingdom

Email: tenders@hse.gov.uk

Region: UKD73 - Sefton

Organisation type: Public authority - central government