ELECTRICALLY INSULATED FIRE SAFE EMERGENCY CONTROL VALVE - INSTALLATION INSTRUCTIONS

WARNING

- Any deterioration or destruction of any part of the valve shall result in the need to replace the complete valve and alterations to any part of the complete valve shall result in the valve no longer being in compliance with the performance requirements of this document.
- Ensure that the valve allows an adequate flow rate for its intended use.
- All installations should be performed in accordance with existing local installation regulations and codes of practice where they exist.
- It is imperative to follow the installation instructions including those for correct position of the connection point for the valve.

Application

- The IECV valve should only be used for Steel Gas services to provide electrical insulation between internal and external pipe-work, this includes new Steel services and existing Steel services renewed by PE insertion and terminated in a suitably approved Service Head Adaptor fitting.

Installation

- The valve should be inspected for any obvious visible damage prior to installation.
- Ensure all mating pipe-work and fittings have the appropriate standard e.g. BS21 or BS746 threads.
- Clean and prepare pipe-work with a suitable jointing paste (PTFE tape is not recommended). For installation instances where there is restricted access and screwing of the valve is not possible due to interference of the handle with adjacent items, the handle may be removed from the valve by unscrewing the M8 nut, the handle can then be re-inserted after installation.
- Mount unit in position, do not over tighten, maximum torque 100 Nm. Slight rotational movement of the body may be witnessed during tightening, this does not impact function of product.
  - A ½" square drive socket tool is available if required, ref Part No. BE0046.
- If a meter union is used on the outlet of the ball valve, ensure that the appropriate washers are present.
- If a meter is to be installed at a later date and a blanking cap is supplied, it must be tightened and tested in accordance with the industry codes of practice.

Commissioning

- Ensure downstream pipe-work is shut off.
- Slowly open the inlet isolation valve.
- Purge downstream pipe-work.
- Test the system and valve for leaks (recommended pressure for such a test is 75mbar, do not exceed the maximum working limit as detailed below).
- The valve should be leak tested in the fully open, fully closed and half open (handle at 45° to body) positions.
- If required the valve can be isolated and sealed by screwing in the locking pin and utilising a lead wire/seal.

Valve	Description	Max. Working Pressure
F832AKS	Rc 3/4" BS21 x 3/4" BS746	500 mbar
F832AMS	Rc 1" BS21 x 3/4" BS746	500 mbar

(Note: the valve cannot be locked in the open position).

- Ensure that the valve is fitted and labelled in accordance with industry standards.
- Note – Vent hole located on nut is safety feature to relieve internal gas pressure build up due to the effects of high temperatures in the event of a fire.
- For any queries about this valve please call Crane BS&U on the number below.

CERTIFICATION

Place of Manufacture	Hitchin, England
Notified Body ID Number	0086
GIS Standard	GIS V7 - 3:2022; GIS/E17 - 2:2018
Gas Families	Suitable for use on 1st, 2nd and 3rd family gases
Operating Temperature Range	-20°C to +60°C
Fire Resistance	High temperature resistant to BS 1552: 2007

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