AIS

ContraFlex®

Winterisation jackets

Insulation jackets for frost protection and extreme temperatures



Product sheet

ContraFlex®

Winterisation jackets

Winter can be particularly damaging to facilities in cold climates where essential equipment is exposed to freezing conditions. Without protection, equipment may suffer considerable damage requiring expensive repairs or replacement of equipment as well as loss of production due to downtime.

Our bespoke removable softcover jackets can protect process equipment including valves, actuators, junction boxes, instrumentation, and plant machinery such as generators, compressors, and forklift trucks from frost and extreme temperatures. They retain heat throughout the equipment and protect against direct contact with the environment.

Generator protection

ContraFlex® jackets are bespoke to the equipment and can be modified to incorporate access hatches for lifting points, maintenance and monitoring. The jackets contain a heat tracing element that runs through the inner face of the jacket.

ContraFlex® winterisation jackets have been supplied to a number of projects worldwide in cold climates. One such winterisation jacket solution was supplied to Welltec for a generator and has been in constant use for two winters, preventing any cold related problems with the generator. The generator is still running in twenty-four hour operations at extreme low temperatures of -40 °C.

As Dave Clayton, Sales Director from Welltec explains, "This winterised jacket has allowed us to avoid all the common threats of winter problems like fuel lines freezing, filters plugging and battery / cold start problems".

This trace cabling provides heat to the equipment to stop freezing and is insulated in order to retain heat throughout the equipment:

- Prevents freezing of fuel lines
- Prevents cold start problems with batteries or filters
- Provides insulation to retain heat energy and maintain efficiency.

Valve protection

ContraFlex® insulation jackets can be installed on valves and flanges to provide winter protection from freezing and reduced efficiency.

ContraFlex® can be used for a range of different line types from oil and gas, to water or food processing.

Engine maintenance

ContraFlex® jackets have been used on rail track maintenance plants having issues with fuel "waxing" in cold temperatures. The fabric chosen here matched the plant equipment, whilst providing a mould resistant cover that is easy to clean. This ContraFlex® solution was designed in such a way that regular maintenance and inspection tasks could be carried out without the need to fully remove the jacket.

Fire extinguisher protection

ContraFlex® winterisation jackets can be used on fire extinguishers to provide protection against water deterioration of hoses and prevent ice and/or snow build up, preventing blockages in activation mechanisms that may cause major health and safety concerns.

Winterisation applications







For further details about our products or services, please contact us:

t: +44 1452 880880 **e:** info@aisltd.com **w:** aisltd.com

© Copyright 2026 Advanced Innergy Limited

338V2.2026.II.03