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ISO 9001

spirax/sarco

TI-P023-49

ST Issue 2

IJ-S1

Insulation Jacket for S1 Separators

Description

The IJ-S1 is a range of insulation jackets for fitting to separator type S1. The jackets are of a one-piece design. TI-P023-48 gives details of a payback calculator based on the energy saving to be made by fitting an insulation jacket.

Available types

Available as a one-piece jacket with velcro fastening, for fitting to all sizes of S1 separator.

IJ-S1 to fit separator S1 DN15 to DN25.

Limiting conditions

Maximum metal surface temperature	220°C
Thermal conductivity	0.044 W/m K at 100°C

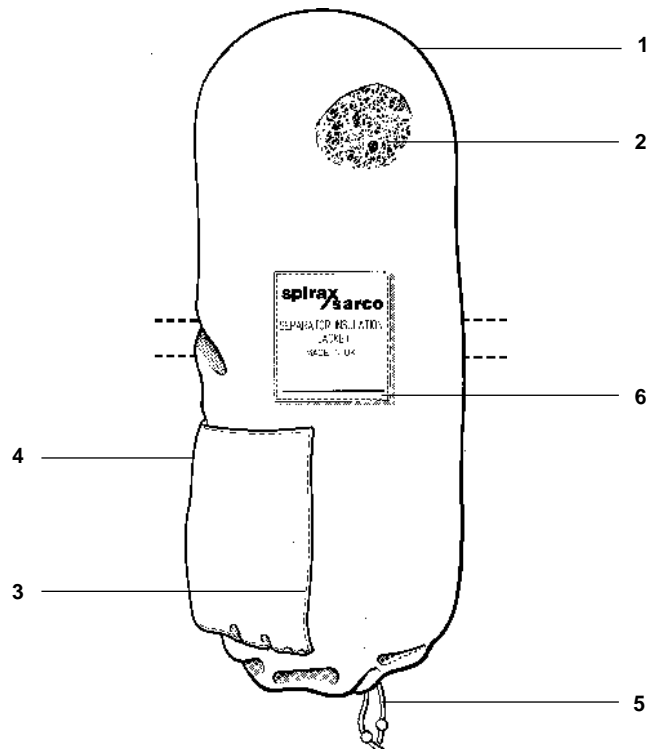
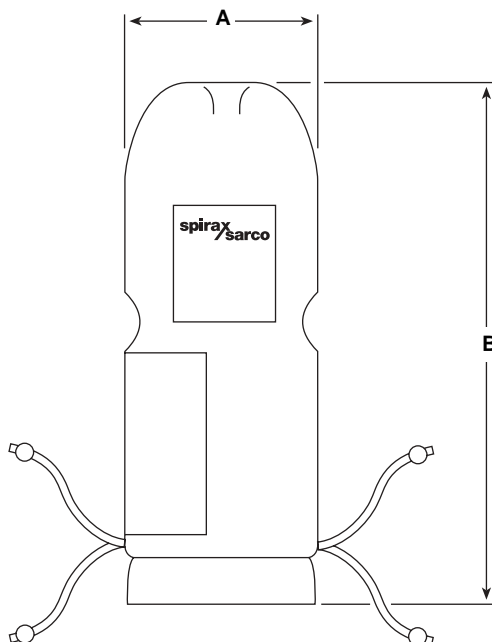
Materials

No.	Part	Material
1	Inner and outer face	Silicone rubber coated glass fibre
2	Insulation	Mineral fibre
3	Stitching	Polyester cotton
4	Sealing	Velcro
5	Drawcords	Nylon
6	Label	Nylon

Dimensions/mass (approximate) in mm and kg

Size	A	B	Insulation thickness	Mass
DN15	190	350	50	0.57
DN20	210	390	50	0.78
DN25	275	515	50	1.20

The diagram below shows the dimensions of the jacket



Installation

Once the separator has been installed, the insulation jacket can be fitted as follows:

Place the top of the jacket over the top of the separator. Undo the velcro flaps and slide the jacket down over the separator. Fasten the two lower flaps. Then fasten the top flap. Finally, tie the drawcord around the outlet pipe.

Important note: Both the inner/outer face and insulation are made with a bonded aluminium foil. At a temperature of 120°C the adhesive bonding the aluminium will start to degrade and delamination of the foil will occur at 150°C to 170°C. Scorching of the internal fabric may occur at 150°C. Neither of these reactions will impair the performance.

Removal

Before removing the jacket, check if the separator is in service. If it is, the metal surface will be hot enough to burn and suitable protective clothing (e.g. gloves) should be worn. Removal is the reverse procedure to the above.

Handling

When the jacket is new, the insulation material is fully enclosed within the inner and outer face and retained by the stitching. In this condition, for handling, no special protective clothing is required. However, if the inner and outer face become unstitched or damaged so as to expose the insulation material, suitable protective clothing (e.g. gloves, safety glasses, face mask and overalls) should be worn.

Disposal

This product is not recyclable and is non-combustible. For disposal purposes consider the product to be mineral fibre and dispose of in accordance with local regulations.

How to order

Example: 1 off IJ-S1 insulation jacket to fit a DN25 S1 separator.

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