Blown Fibre Gas Seal Unit

Prysmian Part Number: *XBFSC00150*

The Blown Fibre Gas Seal Unit (BFGSU) is typically used in business premises or entry to apartment blocks. This is a wall mounted unit that is positioned internally at the cable entry point. Incoming external blown tube cables are connected to internal blown tube cables using gas sealing connectors. These connectors are used to seal both populated (with blown fibre bundle) and unpopulated blown tubing.

The BFGSU is used for internally fed cable or with an OAsys CLI Unit for cables entering through the fabric of the wall.

Features and Benefits

• Compact, low profile, wall mounted unit typically used in large business premises.

• Removable cover for easy access.

• Unit manufactured from fire resistant material to UL94-V0.

• Supplied with components to mount unit to a wall and secure external cable.

• Gas sealing connectors used to provide connection of external and internal blown tubing. Connectors provide gas tight seal for populated (with Sirocco® blown fibre bundle) and unpopulated tubes. Gas seal connectors are supplied separately (refer to additional items).

• Gas tight sealing caps used to terminate unused external cable tubes. Gas sealing caps supplied separately (refer to additional items).

• Accommodates up to one 12 tube external Sirocco® Blown Cable, and up to three Internal blown distribution cables (e.g. 3 x 4 tube internal cables or other combinations up to a maximum of 12 tubes. Any additional tubes will be spares).

• For internally fed cables, a quick set resin (supplied) is used to seal the cable interstices from the ingress of water or gas.

• For external cables fed via the wall fabric, an interface to an Internal Customer Lead In is provided.

Kit Contents

• Wall fixings
• Wall fixing template
• Sealing Resin
• Tube Collets
• Earth Connector

NOTE: Gas Block Connectors and Tube Sealing Caps are not supplied in kit.

Additional Items

• Gas Block Connector
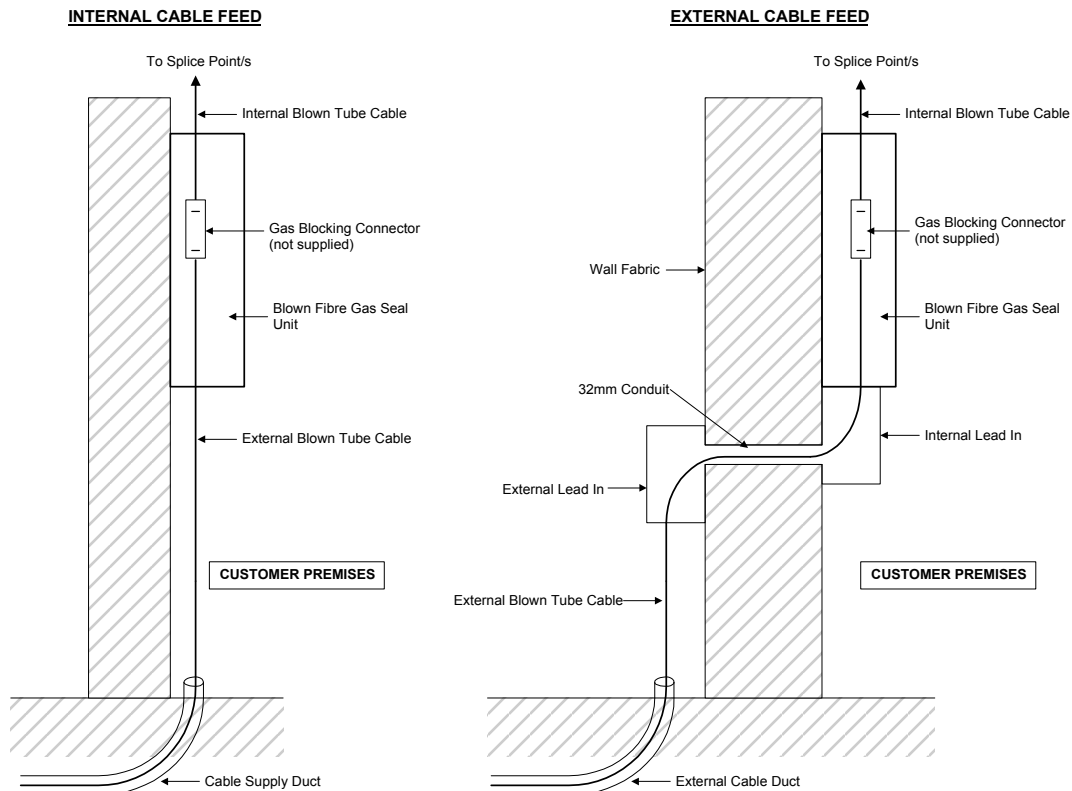• Tube Sealing Caps

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Technical Data

- Maximum capacity:-
  - External cable: One 12 tube cable
  - Internal cable: Two cables to a max of 12 tubes
- Required space envelope (mm): (w) 96 x (d) 63 x (h) 253
- Operating temperature: -20°C to + 50°C (5 to 95% RH)
- Material: FR ABS
- Colour: Light grey
- Flammability rating: UL94-V0
- Testing:-
  - Optical: Tested at 1310nm and 1550nm
  - Dry heat: BS EN 60068-2-2 Test Bb
  - Damp heat: IEC 68-2-3
  - Change of temperature: IEC 68-2-14

Logistics

- Packing Dimensions (mm): (l) 320 x (w) 120 x (d) 90
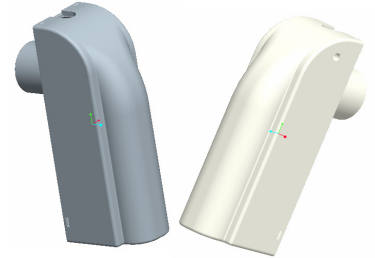- Packed Weight (kg): 0.7
- Net weight (kg): 0.65

Application Information

INTERNAL CABLE FEED

- To Splice Point/s
- Internal Blown Tube Cable
- Gas Blocking Connector (not supplied)
- Blown Fibre Gas Seal Unit
- External Blown Tube Cable
- CUSTOMER PREMISES
- Cable Supply Duct

EXTERNAL CABLE FEED

- To Splice Point/s
- Internal Blown Tube Cable
- Wall Fabric
- Gas Blocking Connector (not supplied)
- Blown Fibre Gas Seal Unit
- 32mm Conduit
- Internal Lead In
- External Lead In
- External Blown Tube Cable
- CUSTOMER PREMISES
- External Cable Duct

Additional Items

Customer Lead-in Unit (Business version)

The Customer Lead In enables external cable to be passed through the building fabric from an outside wall and is typically used in business premises. The Customer Lead In comprises of two separate units mounted either side of the wall and connected by a length of conduit. This product can be used with Sirocco® Blown Fibre tubing or conventional optical cable.

Prysmian Part No. – XBFSC00151

Tube Sealing Cap

Used for sealing unused 5mm Blown Fibre tubes within a Blown Fibre Gas Seal Unit. The cap provides a gas tight seal to the unpopulated tubes.

Prysmian Part No. – XAGSC00406 (pack of 10)

Gas Block Connector

Used for gas sealing a populated Blown Fibre tube within the Blown Fibre Gas Seal Unit. The connector simply push fits over the tube providing a gas tight seal for tubes (unpopulated) and tubes with installed Blown Fibre bundle (populated). The device allows fibre to be 'blown through' into the customer premises. A sealing device is activated externally to seal the tube/bundle.

Prysmian Part No. – XAGSC00404 (pack of 10)

Please contact your local sales office listed on **www.prysmiangroup.com**

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