

OAsys® EXTERNAL PLANT
Blown Fibre Gas Seal Unit
Part Number: XBFSC00150







Description

- The OAsys Blown Fibre Gas Seal is designed for use in large business premises. It is a wall mounted unit that is positioned internally at the cable entry point. Incoming external Blown Fibre tubing is converted to internal Blown Fibre distribution tubing using gas sealing connectors.

Tools & Additional Items Required

Additional Items Required:	Prysmian Part No.
Gas Sealing Connectors	XAGSC00404
Tube Sealing Caps	XAGSC00406
Optional Items:	Prysmian Part No.
None	
Tools:	Pozidrive Screwdriver

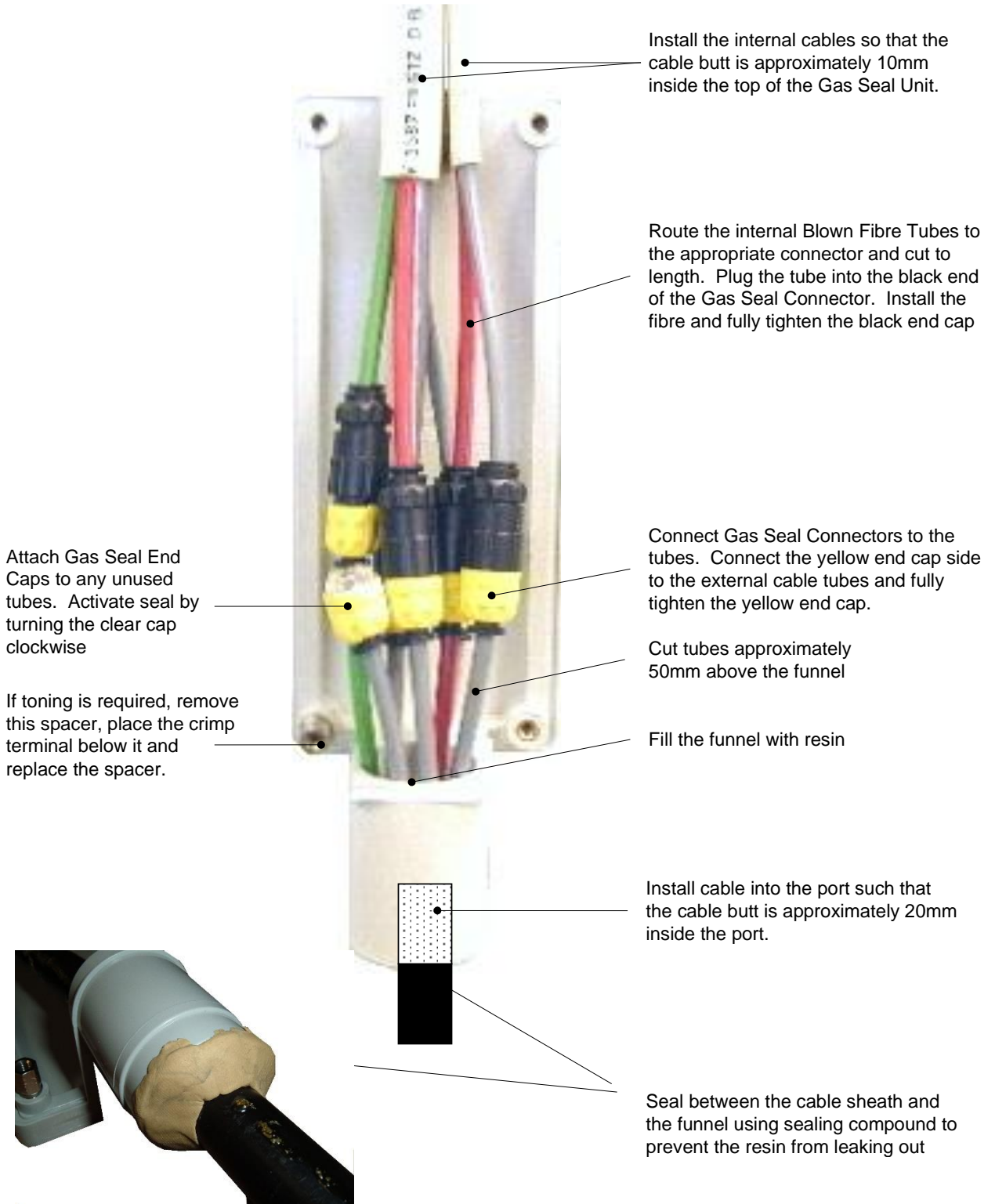
Component Parts (pictures not to scale)

1 Gas Seal Unit  Qty 1	2 Moisture Barrier Connector  Qty 1	3 Compound 16  Qty 1
4 Resin Pack  Qty 1	5 Tube Collets 1-12  Qty 1	6 Fixing Screws & Plug  Qty 2

Installation

- Install the Gas Seal unit by following the installation diagram on page 2 with the instructions on page 3. A template has been included on page 4 to make the marking and drilling of the fixing holes easier.

Installation Diagram



Installation Instructions

Step 1

- Identify a suitable mounting position for the Blown Fibre Gas Seal Unit. Using the template on page 4, mark and drill fixing holes for the unit and insert wall plugs.
- Secure the base of the unit to the wall.

Step 2

- Position the cable up to the base of the unit and apply a butt mark to the cable sheath approximately 20mm below the top of the funnel, ensuring that there is a 200mm overhang for the jointing allowance.

Step 3

- Remove the cable sheath to the butt mark to expose the tubes.
- Rivet a toning connector to the cable sheath if required.

Step 4

- Apply identification collets to the tubes and pass the tubes through the funnel of the base.
- Slide the cable into position ensuring that the cable butt is approximately 20mm below the top of the funnel.

Step 5

- Apply a small fillet of sealing compound between the cable and the funnel, to hold the cable into position and provide a seal between the cable and the funnel.
- Secure the cable to the wall using approved clipping or trunking.

Step 6

- Remove the hexagonal spacer from the top left-hand corner of the Gas Seal Unit and position the free end of the toning wire over the spacer.
- Replace the spacer and tighten to secure the toning wire into place.

Step 7

- Slide the identification collets down the tubes so they rest approximately 20mm above the top of the cable funnel.
- Cut the Blown Fibre Tubes 50mm from the top of the funnel introducing a stagger if required.

Step 8

- Attach Gas Seal Connectors to the required tubes, ensuring that the tubes are fully inserted into the connectors and that the yellow caps are facing the input side. Fully tighten the yellow caps until no gap is visible between the yellow and black body parts.

Step 9

- Attach cable trunking or clips to the wall above the unit to secure the internal cables leading to the exit port in the top of the unit.

Step 10

- For each internal cable entering the unit, position the cable alongside the top of the unit and apply a butt mark to the cable sheath 10mm down from the top of the box. Ensure a 200mm overhang is available for the jointing allowance.

Step 11

- Identify the tubes using the appropriate numbered collets.
- Route the internal tubes to their appropriate gas seal connector and cut to length. Insert the tubes into the black end of the appropriate gas seal connectors.

Step 12

- Install the fibre and activate the gas seal connectors by fully tightening the black end cap until no gap appears between the two black body parts.

Step 13

- Attach gas seal end caps to any unused tubes and activate by fully tightening the clear end cap.
- Saw down the sides and breakout the appropriate cut-outs in the Gas Seal Unit lid which best suit the internal cables.

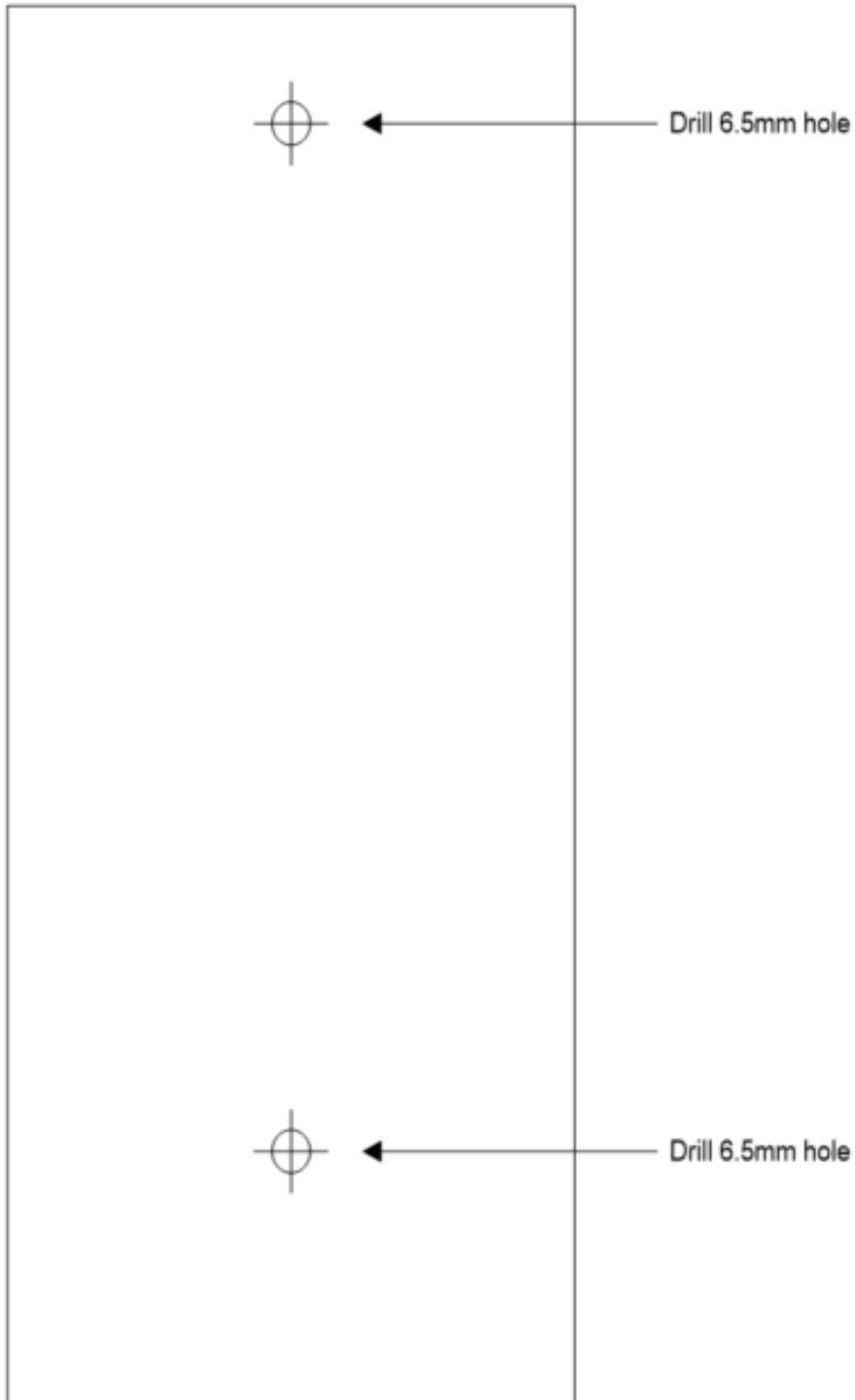
Step 14

- Ensure that all Gas Seal connectors and end caps are correctly sealed.
- Mix the two-part resin pack as instructed on the tin and fill the funnel with resin ensuring that the cable butt is fully encapsulated. Allow the resin to cure for 15 minutes.

Step 15

- Replace and secure the Gas Seal Unit lid and remove the sealing compound from around the funnel.

Fixing Template



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