

**OAsys® EXTERNAL PLANT**  
**TUBE DISTRIBUTION CLOSURE**  
**Part Number: XBFSC00167**

Description	Tools Required
<p style="text-align: center;"><b><u>Kit Contents</u></b></p> <ul style="list-style-type: none"> <li>Base (containing inserts)</li> <li>Lid (containing captive screws)</li> <li>One piece grommet seal assembly</li> <li>19-way DB rubber spacers (2 off)</li> <li>7-way DB rubber spacers (2 off)</li> <li>Grommet support rings (4 off)</li> <li>Jubilee clips – small (4 off)</li> <li>Jubilee clips – large (2 off)</li> <li>Clamping plates (6 off)</li> <li>Cable ties (4 off)</li> <li>Lubrication wipe (sachet)</li> <li>Self-tapping screws – 13mm (4 off)</li> <li>Self-tapping screws – 16mm (4 off)</li> <li>Self-tapping screws – 19mm (4 off)</li> <li>Self-tapping screws – 25mm (4 off)</li> <li>Spacers – 3mm (4 off)</li> <li>Spacers – 8mm (4 off)</li> <li>Spacers – 15mm (4 off)</li> </ul>	<p><b>Additional Items Required: Prysmian PN</b></p> <p>Tube Sealing Cap 5mm      XAGSC00406 (Pk 10)            Gas Block Connector 4mm XAGSC00462A (Pk10)</p> <p><b>Tools:</b></p> <p style="padding-left: 40px;">No.2 Pozi Drive Screwdriver            6mm Flat Blade Screwdriver            Micro Duct Cutter</p>

**Component Parts (pictures not to scale)**

For this instruction sheet the following shall apply with regards port numbers on the DTC:



Window cutting of the Micro-duct assembly should be carried out, taking care not to damage the micro-ducts. A window cut of 200mm (7.8”) is required for assembly of the TDC. Only 24 – way 5mm Direct Bury (DB) can be window cut and sealed appropriate rubber spacers supplied.

## Joint and Cable Preparation

### Step 1



- Open the closure kit; place the two half shells face down with all the components in the lid. All parts to be fitted to the base.
- Starting with the two 'main' ports (1 and 2 from Fig above) assemble the clamping plates by using the 13mm screws.

## Joint and Cable Preparation

### Step 2



- Using the largest spacers and screws build the clamping plates at ports 3 and 6.

## Joint and Cable Preparation

### Step 3



- Use the remaining spacers and screws to assemble the clamping plates at ports 4 and **Note: If not window cutting (intercepting) go to step 5.**

## Joint and Cable Preparation

### Step 4



- If window cutting use the knife to remove the cones from ports 1 & 2, using a 'dummy' section of 24-way assembly cut both straight grommets as shown above. If using 19 way or 7-way DB use the rubber spacers provided.

## Joint and Cable Preparation

### Step 5



- Pierce the ports to be used by forcing the No.2 Pozi-Drive screwdriver through them.

## Joint and Cable Preparation

### Step 6



- Place the grommet/seal arrangement into the base and insert the 'main' micro-duct assembly.
- **Note:** Using the lubricated wipe supplied will help the seal arrangement into place as well as the DB spacers.

## Joint and Cable Preparation

### Step 7



- Separate the large jubilee clips by undoing the screw until the two halves come apart.



## Joint and Cable Preparation

### Step 8



- Place the opened jubilee clip around the assembly and under the clamping plate, then re-tighten. Repeat for the other side of the assembly.

## Joint and Cable Preparation

### Step 9



- When using any of the cones; Strip the micro ducts back, leaving enough to make the connection. Feed the micro duct into the closure so that 35mm (1.38") protrudes from the tapered grommet. Secure the micro duct in place by using a cable tie on the grommet as shown.

## Joint and Cable Preparation

### Step 10



- Push the micro duct back out of the closure so that the end of the sheath sits flush with the end of the clamping plate. Repeat for all other drop ports being used.

## Joint and Cable Preparation

### Step 11



- Repeat steps 7 and 8 on each of the drop ports being used. Then tighten down all the jubilee clips.

## Joint and Cable Preparation

### Step 12



- Make all the connections inside the closure, cutting off any excess lengths. Try to ensure that any bends are as large as possible to aid the blowing process.
- Place the lid on and tighten the captive screws down.

## Joint and Cable Preparation

### Step 13



### **Advisory Note - Fibre count by Port Number**

In the photograph shown above there are limitations as to which fibre count can be blown:

2 and 4 fibres can be blown through any of the ports but 8 and 12 can only be blown through ports number 3 and 4 (see fig.1 page 1) due to bend radius limitations (assumes left to right blowing).

## Joint and Cable Preparation

### Step 14

### Re-entry

- Undo all the captive screws and prize the closure apart.  
**Note: Do not lever apart as this may damage the sealing faces of the closure.**
- Carry out the modification required. Ensure that the seal and grommets are clean (free from debris). Re-fit the lid.