

Sirocco Blowing Head

Prysmian Part Number: XBFSC00010



The Sirocco Blowing Head is designed for the installation of Enhanced Performance Fibre Units (EPFU) into tubes using compressed air. The Sirocco Blowing Head is used in conjunction with a compressor (petrol or electric, see datasheets SI002 and SI003 respectively) that provides clean, dry, technically oil-free air at 10-bar to propel the fibre unit through the tube. Installation speed, which is controlled by the clutch system, is a maximum 50 m/min.

Sirocco is used mainly within access, campus, premise or FTTH networks.

The maximum installation length will be influenced by the tube path geometry and tube length.

Features and Benefits

- Adjustable electro-magnetic clutch prevents fibre damage.
- Optimal blowing performance with Sirocco fibre and tube products.
- Low consumption of compressed air.
- Lightweight apparatus for ease of use.
- Safe and simple procedure.
- High reliability.

This allows EPFU installation

- along uninterrupted sections in small diameter tubes.
- through tube connectors.
- through branching units without manual intervention

Dimensions

Sirocco Blowing Head alone:	(h x w x d)
Weight:	240 x 150 x 190 mm
	5.5 kg
Including case for tools & spares:	590 x 385 x 250 mm
Weight:	11.5 kg

Application

The Sirocco Blowing Head can be used within the following limits:

- Sirocco EPFU: **up to 12f**
- Tubes: **from 3 to 8 mm OD**

Kit Contents

Each Sirocco Blowing Head is supplied with:

- Tube guide
- Fibre guides
- Air connector 1/4" and stop valve
- Speed and distance counter
- Manual for operation and maintenance
- Carrying case containing the apparatus, tools etc.

Product Description

The Sirocco Blowing Head consists of the following sub systems:

3.1 The air inlet chamber

- Fitted with a threaded connector, stop valve and pressure gauge.
- Safety valve (ensures that the pressure does not exceed 12 bar).
- Adaptor to fit 5mm tube OD: others available on request.
- Interchangeable fibre guides to fit EPFU diameters (2/4 & 8/12).

3.2 The drive system

Consists of the following elements:

- A drive wheel with anti-slip coating and a pressure roller.
- A control unit to manage speed and direction.
- Electrical drive (24 VDC) with magnetic clutch and remote control.

Drive system data:

- Push force: **0-25 N**
- Pressure on EPFU from the pressure roller: **20-100 N**
- Recommended installation speed: **30 m/min**
- Speed continuously adjustable (0 to 50 m/min) in either direction.

3.3 Control and safety system

Consists of the following elements:

- Pressure gauge to the air inlet chamber.
- Control device for push force.
- Speed and distance-measuring unit.
- Safety valve limiting the pressure in the chamber to 12 bar.
- Unit controlling the pressure roller's radial force on the EPFU.

Compressed Air Supply

The Sirocco Blowing Head must be fed with clean, dry, technically oil-free compressed air by either a petrol or electric compressor under the following conditions:

- Rated pressure: **10 bar**
- Rated air flow:
 - For tubes up to 5 mm OD: **~ 120 l/min**
 - For tubes up to 8 mm OD: **~ 200 l/min**

Product Conformity

Design and safety in conformity with Directive CE for machines No 98/37/CE.

Prysmian Telecom Cables & Systems UK Ltd, Chickenhall Lane, Bishopstoke, Hants SO50 6YU, UK

Technical Enquiries +44 (0) 2380 608760 Fax Number +44 (0) 2380 608769

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