

MODEL 8515/8516 AIR COMPRESSOR OPERATING INSTRUCTIONS

Description

The 8515/8516 is a reliable, quiet air compressor of oil-less design requiring minimal maintenance. Load bearings are permanently lubricated and sealed for the life of the compressor. A Teflon composition cup offers excellent sealing and wear properties. The integral motor has its own cooling fan and is thermally protected against overload.

NOTE: Under no circumstances should any attempt be made to disassemble the compressor. The head gaskets are coated with an adhesive and cannot be removed. The head bolts are torqued to a specified setting and any attempt to alter this will affect performance and may cause permanent damage. No lubrication is required on this compressor.

Any attempt to disassemble the compressor will invalidate all Warranty Claims.

Specification

The 8515/8516 gives a supply of dry, clean and pulse free air at a pressure between 14 and 30 psi (approx. 1.2Kgm²) at 6 litres/minute.

	8515	8516
Voltage	240V/50Hz	110V/60Hz
Fuse rating (PFP7 Auxiliary)	2A/20mm	4A/20mm

Installation

The compressor should be positioned on a stable surface within 2 metres of the Model PFP7 Flame Photometer. Connection to the PFP7 should be as follows:

1. Prior to commencing this procedure ensure the power supply to the PFP7 is switched off.
2. Connect the air tubing (supplied with the PFP7) to the connector on the black cylinder and secure with a hose clip.
3. Connect the other end of the air tubing to the air inlet located on the rear panel of the PFP7 and secure with a hose clip.
4. Connect the auxiliary power plug (supplied with the PFP7) to the 8515/8516 mains lead, ensuring the following is observed:

A suitable plug should be connected to the three wires on the mains lead. These colours are coded to conform to the internationally recognised standards such that:

BROWN	LIVE
BLUE	NEUTRAL
GREEN/YELLOW	EARTH

IMPORTANT – THE UNIT MUST BE EARTHED.

The Green/Yellow wire in the ac supply must be connected to a properly grounded terminal.

5. Plug the compressor power plug into the auxiliary power socket located on the rear panel of the PFP7.
6. Refer to the PFP7 Operating Manual, Section 2, to complete installation.

Maintenance

To ensure the compressor continues to operate efficiently, periodic replacement of the filter is recommended.

Note: Prior to replacing the filter ensure the compressor is disconnected from the mains supply.

1. Locate the filter housing attached to the side of the compressor head. Carefully unscrew the complete filter assembly and remove.
2. Remove and discard the used filter housing and replace.

This is the only maintenance required on the compressor.

Compressor Failure

The compressor motor is thermally protected against overload. Should this occur the motor will restart automatically. If the compressor remains non functional please contact your local dealer. **DO NOT ATTEMPT TO REPAIR THE COMPRESSOR.**

Spares

538 005 Replacement air filter