



**DRAPER**<sup>®</sup>  
*Expert*

# TYRE INFLATOR

42599



These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

# 1. WARRANTY

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## 1.1 WARRANTY

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact

**Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF, England.**

**Telephone Sales Desk: (023) 8049 4333 or Product Help Line (023) 8049 4344.**

A proof of purchase **must** be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covering parts and labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. This warranty does not apply to any consumable parts, any type of battery or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

**Note:** If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

Your Draper warranty is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the warranty period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

**Draper Tools Limited.**

# 2. INTRODUCTION

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## 2.1 SCOPE

The single and twin open ended connectors described in these instructions are suitable for inflation uses in automotive environments such as garage forecourts and tyre fitting bays.

Any other application is considered misuse.

# 2.2 SPECIFICATION

Stock No. .... 42599

Part No. .... TI AIRFORCE

Pressure measurement:

Accuracy..... Exceeds EC 86/217

Reading accuracy.....0.1bar/2PSI/10kPa

Maximum inlet pressure 15bar/218PSI/1500kPa

Inflation range.....0-12bar/174PSI/1200kPa

Inflation speed (max.) .....910l/min @ 13bar

Hose length ..... 1.8 Metres

Environment:

Operating temperature .....-20°C to 60°C

Storage temperature.....-30°C to 80°C

**FOR USE IN VEHICLE WORKSHOPS AND TYRE FITTING BAYS. NOT RECOMMENDED FOR USE ON AIRCRAFT TYRES. ALWAYS WEAR SAFETY GOGGLES AND EAR DEFENDERS.**

# 3. HEALTH AND SAFETY

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## 3.1 GENERAL SAFETY INSTRUCTIONS FOR AIR TOOL PRODUCTS

Always keep your air tool clean and lubricated.

Daily lubrication is essential to avoid internal corrosion and possible failure.

Always wear safety goggles or glasses.

Always ensure product is switched off before connecting to air supply.

**Do not** wear watches, rings, bracelets or loose clothing when using air tools.

**Do not** increase the air pressure above the manufacturer's recommended level, as excessive overload can cause the machine casing to split. Also this creates excessive wear on moving parts and possible failure.

**Do not** use as an air blow gun.

**Do not** aim compressed air at people or animals.

**Warning:**

**Do not** aim compressed air onto body or skin.

# 4. OPERATION

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## 4.1 WHIP HOSE

**Warning:** There is a risk of being injured by whipping air hoses.

To connect the air line gauge to an air line a ¼" BSP male thread whip hose<sup>†</sup> will be required.

- Wind a length of PTFE tape (Draper stock No.63389) around the thread before securing the hose in place. The connection must be tight for an airtight union.
- **Important:** Prior to installation of the air line gauge ensure the air supply line is clear and drain off the compressor tank and pipework.

- Connect the air line gauge to a pressure vessel (tyre) and actuate the calibrated indicator assembly approximately 10 operations up/down scale.

Model No.	Description	Part No.	Stock No.
ALG43	Hose and connector assembly	YRHA 2122	30769
ALG44	Hose and connector assembly	YRHA 2121	30770
ALG43	Twin hold connector	YC01 A03	30771
ALG44	Single clip-on connector	YC02 E03	30773

#### 4.2 ACCURACY (EN 12645:2014)

This air line gauge has been calibrated in its normal working position on test equipment with an accuracy that is traceable to the UK National Standard through the National Physical Laboratory Reference No. 0221 via a system of calibration which includes Druck DPI 150 Pressure Indicator s/n 2329290.

## 5. OPERATING INSTRUCTIONS

### 5.1 AIR SUPPLY

Tools in the range generally operate at a maximum pressure of 16 bar (see specifications) and this should be controlled via a combined regulator/water separator such as Draper 24326 unit which with proper maintenance will ensure a constant supply of dry air at all times.

See Fig.1. Always check tool operating pressure before use.

**Warning:** Water in the compressor tank will cause serious corrosion to your air tools and should be drained daily to avoid excessive water in your air supply. Dirty wet air rapidly shortens the life of your air tool.

If you are using an air tool on a hose over 25ft. long it is advisable to increase the bore of the hose to the next larger size available ie. ¼" increases ⅜". This will ensure adequate pressure and volume of air to power the tool.

### 5.2 OPERATION

Air tools without inbuilt regulators vary the pressure on your air supply regulator.

- Push or clip the connector accordingly over the valve to take the pressure reading.
- To inflate, fully depress the trigger.
- To deflate, slightly depress the trigger. Air will be heard to be escaping while this position is maintained.
- To retake the new pressure reading press trigger fully once and release.
- Momentary deflate to take the final reading.

**Note:** Observe manufacturer's inflation levels. Do not use on toy inflatables as damage will occur.

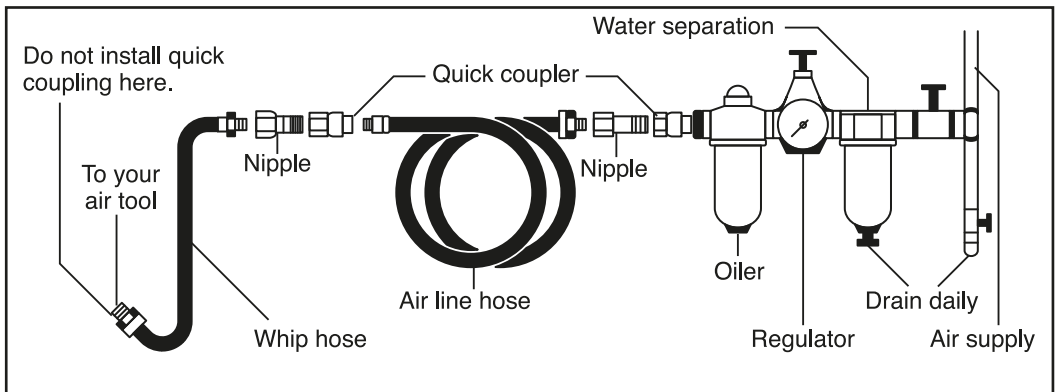


FIG.1

## CONTACTS

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Sales Desk: (023) 8049 4333

Internet: [drapertools.com](http://drapertools.com)

E-mail: [sales@drapertools.com](mailto:sales@drapertools.com)

General Enquiries: (023) 8026 6355

Service/Warranty Repair Agent:

For aftersales servicing or warranty repairs, please contact the  
Draper Tools Helpline for details of an agent in your local area.

YOUR DRAPER STOCKIST

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