

DRAPER[®]

EN

Original Instructions
Version 1

7.4V COMPACT
DIGITAL
AIR COMPRESSOR
23630



UK
CA **CE**

1. Preface

These are the original product instructions. This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate or maintain this product.

This Draper Tools manual describes the purpose of the product and contains all the necessary information to ensure its correct and safe use. Following all the instructions and guidance in this manual will ensure the safety of both the product and the operator and increase the lifespan of the product.

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

Every effort has been made to ensure the information contained in this manual is accurate. However, Draper Tools reserves the right to amend this document without prior warning. Always use the latest version of the product manual.

1.1 Product Reference

User Manual for: Compact Digital Air Compressor
Stock No.: 23630

Part No.: AC7.4VC

1.2 Revisions

Version 1: March 2024

First release

Please visit drapertools.com/manuals for the latest version of this manual and the associated parts list, if applicable.

1.3 Understanding the Safety Content of This Manual



WARNING! – Situations or actions that may result in personal injury or death.



CAUTION! – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

Copyright © Draper Tools Limited.

Permission is granted to reproduce this manual for personal and educational use **ONLY**. Commercial copying, redistribution, hiring or lending is strictly prohibited.

No part of this manual may be stored in a retrieval system or transmitted in any other form or means without written permission from Draper Tools Limited.

In all cases, this copyright notice must remain intact.

2. Contents

1. Preface	2
1.1 Product Reference	2
1.2 Revisions	2
1.3 Understanding the Safety Content of This Manual	2
1.4 Copyright © Notice	2
2. Contents	2
3. Product Introduction	3
3.1 Intended Use	3
3.2 Specification	3
4. Health and Safety Information	3
4.1 General Health and Safety Precautions	3
4.2 Residual Risk	4
5. Explanation of Symbols	4
6. Identification and Unpacking	5
6.1 Product Overview	5
6.2 What's in the Box?	5
6.3 Packaging	5
7. Preparation	6
7.1 Charging the Air Compressor	6
8. Operating Instructions	6
8.1 Turning on the Compressor	6
8.2 Display Screen Explained	6
8.3 Using the Compressor	7
8.4 Using the Inflation Adaptors	8
8.5 Using the Torch	8
8.6 Memory Function	8
9. Maintenance and Troubleshooting	8
9.1 General Maintenance	8
9.2 Troubleshooting	9
10. Spares, Returns and Disposal	10
11. Warranty	10
Notes	11

3. Product Introduction

3.1 Intended Use

This compact air compressor is designed to inflate tyres on cars, motorbikes, bicycles, light commercial vehicles. It includes an accessory kit for inflating air beds, inflatable toys, paddling pools, footballs and beach balls. There is also an integrated LED torch and supplied with a USB-C cable for charging.

This product is intended for domestic and infrequent light use. Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Read this manual in full before operating or maintaining the product and retain it for later use.

3.2 Specification

Stock No.:	23630
Part No.:	AC7.4VC
Dimensions:	140 × 86 × 52mm
Rated Voltage:	7.4V DC
Maximum Current:	9A
Maximum Pressure:	150psi (10 Bars/1035kPa)
Pressure Range:	3 – 150psi (2 – 10Bars/20 – 1035kPa)
Pressure Accuracy:	+/- 1.5psi
Recommended Cycle Time:	10mins on/15mins off
Flow Rate:	13 L/pm
Air Hose length:	180mm
Noise Level:	82db
LED Torch Power:	5W
Charging Cable:	USB- C
Power Cable Length:	1.2m
Built in Battery:	Rechargeable Li-ion 18650 × 2 (2,600mAh)
Charging time:	2hours
Storage Temperature:	-10°C to 50°C

4. Health and Safety Information

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user, the product or the item being inflated.

4.1 General Health and Safety Precautions

General Safety Instructions for Compressors



WARNING! This compressor is capable of supplying air at high pressure.

- **NEVER point this product at any person or any object for which its use is not intended.**
- Observe and adhere to all standard safety precautions and good practices when working in a workshop environment.
- Keep the work environment clear and well-lit, with bystanders at a safe distance.
- The product is not a toy and should not be used by children. Keep children and non-essential persons away from the inflation area.
- Before use, inspect the product carefully for signs of damage or battery leakage.



WARNING! DO NOT use this product if any damage or defects are present; take it out of service until it has been repaired or replaced. Contact Draper Tools for repair and replacement options.

- **ALWAYS** ensure that the air hose and valve connections are tight and secure, and firmly hold the item to be inflated during operation.
- **DO NOT** use this product in wet conditions or expose it to rain.
- **DO NOT** use this product near flammable or combustible materials or in dangerous or explosive environments.
- Keep away from heat sources and do not leave for long periods of time in a hot car.
- **DO NOT** attempt to open or modify this product in any way
- **DO NOT** use the product if the casing is open or damaged in any way.
- **DO NOT** leave the battery in a discharge state, recharge when the low battery is showing on the display.
- **NEVER** leave the compressor running unattended and switch it off before moving away.
- Use this product **ONLY** for the recommended cycle time and allow approx. 30 minutes for it to cool before the next use.



WARNING! Extended continual use of the product may cause it to overheat and harm both the product and the operator.

- After use, **ALWAYS** check the tyre pressure using a tyre pressure gauge that complies with BS EN 12645:2014.



CAUTION! NEVER exceed the maximum pressure recommended by the manufacturer of the item to be inflated. Check the manufacturer information before every use and continually monitor the item during inflation. Over inflation could result in explosion or personal injury.

- **NEVER** carry the compressor by the hose.
- **ONLY** use accessories supplied by Draper Tools.

- **DO NOT** attempt to remove or replace the built in battery as it is not replaceable.
- The compressor is fitted with a short circuit protection. **DO NOT** connect the wrong type of cable to the USB-C port.

4.2 Residual Risk

The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

5. Explanation of Symbols



Read the instruction manual



Warning!



Maximum pressure:
(pounds per square inch)



Maximum pressure:
(Bar)



Maximum pressure:
(Kilopascal)



Flow rate:
(Litres per minute)



Battery specification



Torch power/lightsource



USB C rechargeable battery



European conformity



UK Conformity Assessed



WEEE – Waste Electrical & Electronic Equipment

DO NOT dispose of Waste Electrical & Electronic Equipment in with domestic rubbish

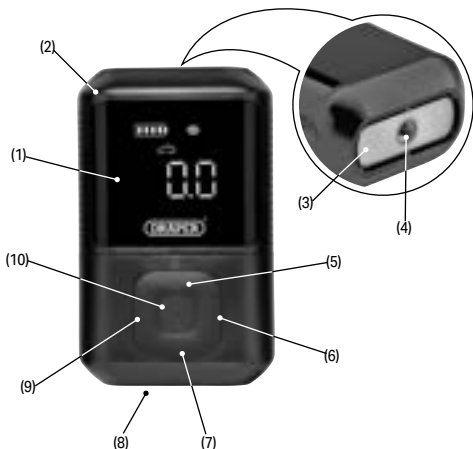


DO NOT incinerate or throw onto fire

6. Identification and Unpacking

6.1 Product Overview

- (1) LED display
- (2) Air compressor
- (3) LED torch
- (4) Air outlet
- (5) **INCREASE (+)** pressure button
- (6) **MODE** Button
- (7) **DECREASE (-)** pressure button
- (8) USB port
- (9) **TORCH** button
- (10) **POWER** button



6.2 What's in the Box?

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.

Before assembling the product, lay the contents out and check them against the parts shown below. If any part is damaged or missing, **DO NOT** attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.

- (A) 1 × Storage bag
- (B) 1 × Air compressor
- (C) 1 × Air hose
- (C1) 1 × Air hose attachment
- (C2) 1 × Threaded hose connector
- (D) 1 × USB-C cable
- (E) 1 × Plastic inflation adaptor
- (F) 1 × Metal needle adaptor
- (G) 1 × Brass inflation adaptor

Please visit drapertools.com for our full range of accessories and consumables.

6.3 Packaging

Keep the product packaging for the duration of the warranty period in case the product needs to be returned for repair.



WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.



7. Preparation

Important: Before preparing or adjusting this product, read and understand all the safety instructions listed in this manual.

7.1 Charging the Air Compressor

Important: Fully Charge the compressor before first use.

1. To charge fit the USB cable (D) to the USB-C port (8) and the other end to a suitable 5V/2A USB power adaptor.
2. When charging the battery level (11) bars on the display will flash and turn solid when fully charged.

Bar	Power Level
1	Under 25%
2	25 – 50%
3	50 – 75%
4	75 – 100%

3. Charging will take approximately 2 hours.

Note: Fully charged the battery life will be approximately 30minutes (unloaded).

4. Unplug the cable when fully charged.

8. Operating Instructions

Important: Before operating this product, read and understand all the safety instructions listed in this manual.

8.1 Turning on the Compressor

Check that the air compressor is charged before using.

1. Attach the air hose connector (C1) to the air outlet (4) by turning clockwise until securely attached.

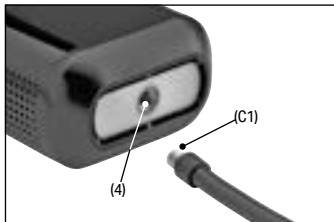


Fig. 1

2. Press and hold the **POWER** button (10) until the LED screen comes on.

Note: the screen will turn off automatically if no activity after 3 minutes.

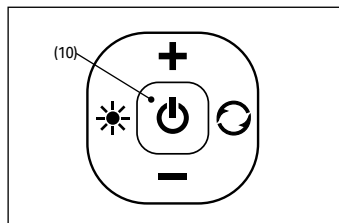
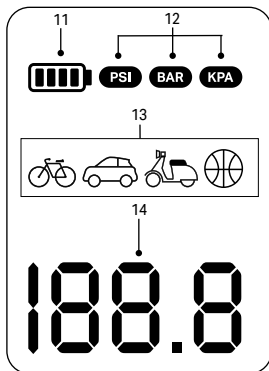


Fig. 2

3. To stop the operation press and hold the **POWER** button (10) until the screen turn off.

8.2 Display Screen Explained

Display Screen



- 11 Battery level indicator
- 12 Selected pressure measurement
- 13 Programmable mode selected
- 14 Pressure value reading

8.3 Using the Compressor

Important: Always follow the manufacturer's recommendations for the pressure levels. For vehicles this is often located on the inside of the door. For bikes check the marking on the tyres. After inflation, vehicle tyres should be double-checked using a purpose-built tyre pressure gauge complying with BSEN 12645:2014.

1. Screw the threaded hose connector (C2) onto the tyre valve to be inflated.

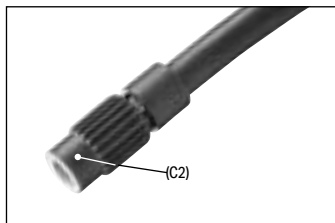



Fig. 3

2. Turn the air compressor on and press the **MODE** button  (6) and selected the required pressure level required from the 5 programmable modes available.

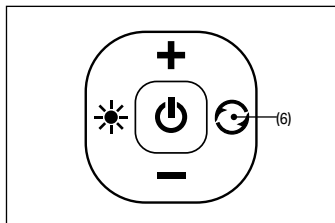






Fig. 4

Note: To switch between Bar, PSI and KPA hold the **MODE** button  for 3 seconds.

2. When the air pressure reaches the preset value the compressor will automatically stop. To stop inflating before the preset is reached press the **POWER** button .
3. Use the **INCREASE**  (+) (5) and **DECREASE**  (7) pressure buttons to select the required pressure level.

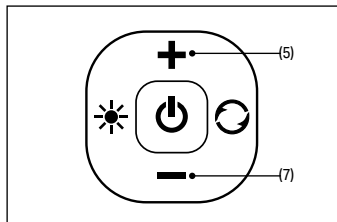








Fig. 5

4. Once complete, press the **POWER** button  to switch off.
5. Disconnect the air hose from the tyre valve and replace the valve seal or cap, if required.



WARNING! The hose connector may be hot after use, take care when detaching it from the valve.

	Mode	Press	Default Setting	Adjustable Range
	Bike	× 1	45 PSI	30 – 150 PSI
	Car	× 2	36 PSI	26 – 50 PSI
	Motorbike/ Scooter	× 3	35 PSI	26 – 43 PSI
	Ball	× 4	8 PSI	4 – 16 PSI
	Free / PSI	× 5	35 PSI	3 – 150 PSI 20 – 990 KPA 0.2 – 10.3 Bar

8.4 Using the Inflation Adaptors

Use the adaptors for inflating footballs, beach balls, air beds and inflatable toys.

Important: Always follow the manufacturer's recommendations for the pressure levels for inflating the item.

1. Attach the plastic adaptor (E), metal needle (F) or brass (G) inflation adaptor to the threaded hose connector (C2), turn until secure.

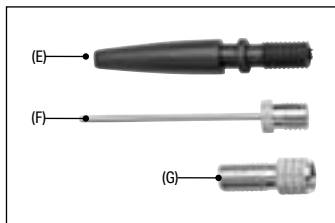


Fig. 6

2. Operate the compressor as described in 8.3 Using the Compressor.

8.5 Using the Torch

1. Press the **POWER** button (10) and the LED screen will come on.
2. Press the **TORCH** button (9) and the torch light (3) will come on, then press to cycle through the options.

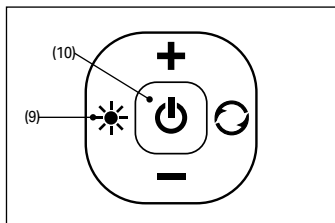


Fig. 7

Press *	Function
Once	On/Constant Beam
× 2	Slow Flashing /S.O.S
× 3	Fast Flashing/Strobe
× 4	OFF

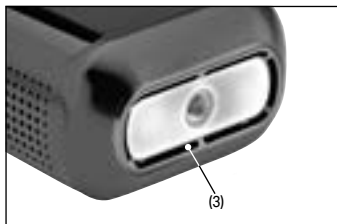


Fig. 8

8.6 Memory Function

- The pressure units displayed can switch between Bar, PSI and KPA by holding the **MODE** button (C) for 3 seconds.
- The Memory function will enable any changes to be saved and automatically retrieved when the compressor is switched back on.
- To reset to the default settings press and hold the **MODE** button (C) and the (+) button at the same time for 3 seconds.

9. Maintenance and Troubleshooting

Important: Any maintenance and repairs should be carried out only by authorised and suitably qualified personnel.

9.1 General Maintenance

- **DO NOT** allow the compressor to be completely discharged before charging. Recharge when the battery level (11) displayed is on 1 bar/low.
- Keep the air hose and adaptors clean and free from any obstructions.
- Clean the product regularly using a damp cloth.

CAUTION! DO NOT use aggressive chemicals to clean the product as they may damage the product housing.

- Store the product in the bag (A) supplied in a clean and dry location, out of the reach of children.
- When stored for extended periods, charge the compressor every 3 months to maintain the internal battery health.

9.2 Troubleshooting

Problem	Possible cause	Remedy
Compressor will not switch on or operate	Battery low or exhausted	Charge compressor for 2 hours or until fully charged.
	Compressor is overheating or cycle time exceeding 10minutes.	Recommended cycle time is 10mins on and 15minutes off. Follow recommendation. Switch off and allow to cool for approximately 30 minutes before reusing.
Compressor does not inflate item.	Low Battery	Fully charge compressor – refer to section 7.1 .
	Connection to the item's valve is not airtight.	Reattach the threaded hose connector (C2) and ensure it is fitted securely.
	Air is escaping from the inflated item.	Check that the item does not have leaks or punctures. Check all connections are airtight and not leaking.
Pressure Value reads 'O'	Pressure value of item to be too low.	Not suitable for use with the air compressor.

10. Spares, Returns and Disposal

For spare parts, servicing, and repair and replacement options, please contact the Draper Tools Product Helpline for details of your nearest authorised agent.

Draper Tools will endeavour to hold any spare parts, if applicable, for seven years from the date that it sells the final matching stock item.

Any servicing or repairs carried out by unauthorised personnel or installation of spare parts not supplied by Draper Tools will invalidate your warranty.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.
- **DO NOT** burn or mutilate batteries; this may release toxic or corrosive substances.
- Dispose of batteries separately and in accordance with local regulations.



11. Warranty

Draper Tools products are carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, return the complete tool to your nearest distributor or contact Draper Tools directly. Contact information can be found at the back of this manual.

Proof of purchase must be provided.

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 covers parts and labour for 12 months from the date of purchase.

This warranty does not apply to any consumable parts, batteries 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 Tools repair agent.

In all cases, to make a claim for faulty workmanship or materials within the standard warranty period, please contact or return the product to the place of purchase. Proof of purchase may be required.

If the place of purchase is no longer trading or if you experience any difficulties with your warranty, please contact Customer Services with the product details and your proof of purchase. Contact details can be found at the back of this manual.

If the tool is not covered by the terms of this warranty, repairs and carriage charges will be quoted and charged accordingly.

This warranty supersedes any other guarantees expressed or implied and variations of its terms are not authorised.

Your Draper Tools guarantee is not effective until you can produce, upon request, a dated receipt or invoice to verify your purchase within the guarantee period.

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

Draper Tools Limited

Contact Details

Draper Tools

Draper Tools Limited
Hursley Road
Chandler's Ford
Eastleigh
Hampshire
SO53 1YF
UK

Website: drapertools.com

Email: sales@drapertools.com

Product Helpline: +44 (0) 23 8049 4344

Telephone Sales Desk: +44 (0) 23 8049 4333

General Enquiries: +44 (0) 23 8026 6355

General Fax: +44 (0) 23 8026 0784

Delta International

Delta International BV
Oude Graaf 8
6002 NL
Weert
Netherlands

Please contact the Draper Tools Product Helpline for repair and servicing enquiries.