



EN

Original Instructions
Version 2 - August 2025

12V DIGITAL **AIR COMPRESSOR**

23624



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: 12V Digital Air Compressor

Stock No: 23624

Part No: AC12VD

1.2 Revisions

Version 1: February 2024

First release

Version 2: August 2025

As our manuals are continually updated, always ensure that the latest version is used.

Please visit drapertools.com/manuals for the latest version of this manual.

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

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3.1 Intended Use

This 12V air compressor is designed to inflate tyres on cars, motorbikes, bicycles and light commercial vehicles. It includes an accessory kit for inflating air beds, inflatable toys, footballs, paddling pools and beach balls. There is also an integrated LED torch and a charging adaptor compatible with most vehicle 12V power sockets.

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 attempting to assemble, operate or maintain the product and retain it for later use.

3.2 Specification

Stock No.	23624
Part No.	AC12VD
Net Weight:	930g
Dimensions:	200mm x 80mm x 166mm
Rated Voltage:	12V DC
Maximum Current:	10A
Maximum Pressure:	150psi (10 Bars/1035kPa)
Pressure Range:	3 – 150psi (0.2 – 10Bars/20 – 1030kPa)
Gauge Pressure Accuracy:	+/- 1.50psi
Recommended Cycle Time:	10mins on/10mins off
Flow Rate:	30L/pm
Air Hose Length:	600mm
Noise Level:	84db
LED Torch Power:	5W
Power Supply/Adaptor:	12V DC
Power Cord Length (approx.):	3.0m
Operating/Storage Temperature:	-30°C to 60°C

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.

General Health and Safety Precautions

4.1 General Safety Instructions for Air 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.



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.

- **DO NOT** use this product for purposes other than its intended use.
- **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 the compressor while the vehicle is moving.
- **ALWAYS** unplug the adaptor from the vehicle's 12V power outlet after use.
- **ONLY** use accessories recommended and supplied by Draper Tools.
- To avoid damage to the compressor and adaptor only a 12V DC (10 – 15A) cord should be used.
- **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.
- Ensure the cord does not come into contact with sharp edges and is not exposed to hot objects or oil.
- **DO NOT** attempt to open or modify this product in any way.
- **DO NOT** use the product if the casing is open or cord is damaged in any way.
- **NEVER** leave the compressor running unattended and switch it off before moving away.
- Use this product **ONLY** for the recommended cycle time and allow at least 30 minutes for it to cool before the next use.



WARNING! The compressor is designed for occasional use only. 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's information before every use and continually monitor the item during inflation. Over inflation could result in the item bursting or personal injury.

- **NEVER** carry the compressor by the hose.

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.

5.1 Product Overview



- | | |
|---------------------------------------|---|
| (1) Air compressor | (9) Torch button |
| (2) Power button | (10) LED torch |
| (3) LED display screen | (11) 12V DC adaptor & cable |
| (4) (+) Increase pressure button | (12) Adaptor & cord storage compartment |
| (5) (-) Decrease pressure button | Screen |
| (6) Air hose | (13) Selected pressure value |
| (7) Accessory kit storage compartment | (14) Selected Pressure unit (PSI/Bar/kPa) |
| (8) Unit/Mode button | (15) Selected preset mode |

5.2 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.

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 x Air compressor with air hose | (D) | 1 x Brass adaptor |
| (B) | 1 x Threaded hose connector | (E) | 1 x Metal needle valve adaptor |
| (C) | 1 x Black plastic adaptor | (F) | 1 x 10Amp replacement fuse |

5.3 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need 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.

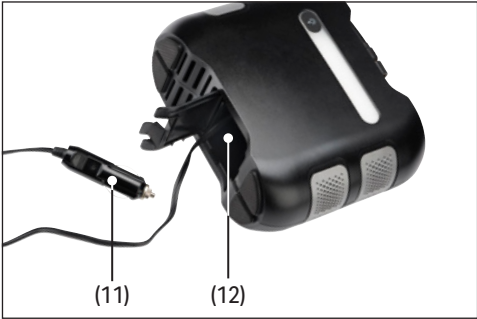
Please visit [drapertools.com](https://www.drapertools.com) for our full range of accessories and consumables.

6. Operating Instructions

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

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.

6.1 Connecting The Compressor



- Fig. 1
1. Open the cord compartment (12) and take out the adaptor and cord (11). Feed the cord through the hole in the compartment door and close.



- Fig. 2
2. Plug into the vehicle's 12V DC power socket.
 3. Turn on the vehicle's engine while the compressor is being used. Unplug from the power socket as soon as the inflation process is completed.

6.2 Using the Compressor



Fig. 3

1. Unwrap the air hose (6) from around the display screen (3).
2. Screw the threaded hose connector (B) onto the tyre valve to be inflated.

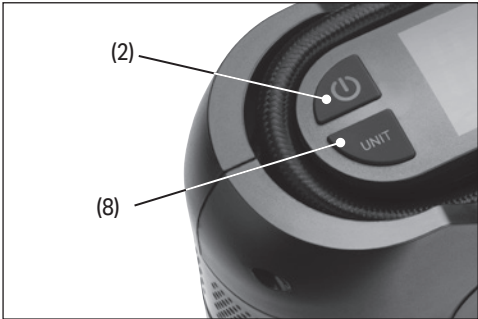


Fig. 4

3. Press the **POWER** button (2) for 1-2 seconds to turn on the air compressor.
4. Then press the **UNIT** button (8) and cycle through the pressure level modes available.

Mode	Press	Default Setting	Adjustable Range
Manual Mode	X1	30 PSI	3 – 150psi
Car 	X2	2.5 Bar	0.2 – 10.3 Bar
Scooter/ Motorcycle 	X3	2.4 Bar	0.2 – 10.3 Bar
Bike 	X4	45 PSI	3 – 150 PSI
Ball 	X 5	8 PSI	3 – 150 PSI

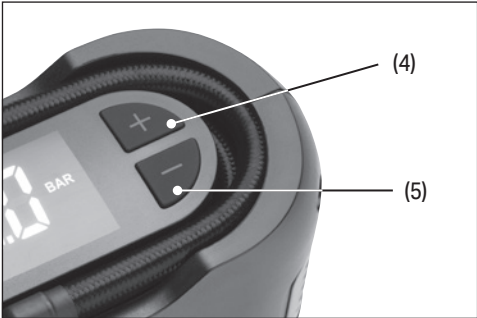


Fig. 5

5. Use the (+) (4) and (-) (5) buttons to select the required pressure level.

Note: On 'manual' mode to switch between Bar, PSI and KPA ,press and hold the **MODE** button down for 1 - 2 seconds.

6. To start inflating press the **POWER** button. To pause the inflating process, press the **POWER** button again.
7. When the air pressure reaches the preset value the compressor will automatically stop. To stop inflating before the preset pressure is reached press and hold down the **POWER** button.
8. Once complete, press and hold the **POWER** button until the screen switches off.
9. 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.**

10. Unplug the adaptor from the vehicle's 12V power outlet after use and turn off the vehicle's engine.

6.3 Auto Stop

During the inflating process the compressor will automatically stop during the following:

- 3 minute operation with pressure valve above 120PSI.
- 5 minute operation with pressure value below 5PSI.
- Operation time over 30 minutes.

Allow to cool and then press the **POWER** button to restart the compressor.

6.4 Using the Inflation Adaptors

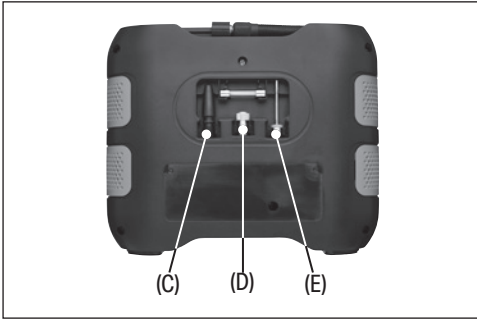


Fig. 6

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

Important: **Always** follow the manufacturer's recommendations for the pressure levels required to inflate the item.

1. Attach either the plastic (C), brass (D) or needle (E) inflation adaptor to the threaded hose connector (B), turn until secure.
2. Operate the compressor as described in section **6.2 Using the Compressor**.

6.5 Using the Torch



Fig. 7

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

Press	Function
X1	On/Constant Beam
X2	Slow Flashing/S.O.S
X3	Fast Flashing/Strobe
X4	OFF

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

7.1 General Maintenance

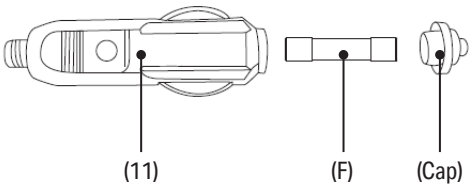
- Keep the air hose and adaptors clean and free from any obstructions.
- Clean the product regularly using a damp cloth.

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

- Store the product in a clean and dry location, out of the reach of children.

7.2 Fuse Replacement

- A spare fuse for the adaptor is supplied with the compressor.
1. To replace the fuse, unscrew the cap on the head of the adaptor (11).
 2. Take out the old fuse and insert the new fuse (F).
 3. Refit the cap.



7.3 Troubleshooting

Problem	Possible Cause	Remedy
Compressor will not switch on.	Adaptor cord not plugged into power supply.	Plug into a 12V DC socket.
	Adaptor fuse has blown.	Replace fuse (Refer to section 7.2).
	Target pressure below actual pressure of item to inflate.	Adjust and set the correct pressure.
Compressor does not inflate item.	Connection to the item's valve is not airtight.	Reattach the threaded hose connector (B) and ensure it is fitted securely.
	Air is escaping from the inflated item.	Check that item does not have a puncture or any air leakage.
		Check all connections are airtight and no leaking.
The Compressor inflates items slowly.	Compressor is overheating or cycle time exceeding 10minutes.	Recommended cycle time is 10mins on and 10minutes off. Follow recommendation.
		Switch off and allow to cool for approximately 30 minutes.

8. 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.



9. Warranty

12 months

This product is guaranteed for 12 months to be free from defective materials and workmanship. Full details of the warranty period can be found on the Draper Tools Website.

Should the tool develop a fault within the warranty period, return the complete tool to the place of purchase or contact Draper Tools directly. Proof of purchase must be provided.

This warranty does not apply to any consumable parts, batteries or normal wear and tear.

It also does not cover any damage caused by misuse, careless or unsafe handling, modifications, or repairs carried out by any personnel other than an authorised Draper Tools repair agent.

Please note that this guarantee is in addition to and does not affect your statutory rights.

10. Explanation of Symbols



Read the instruction manual



Warning!



Keep out of the reach of children



Operating air pressure



Operating air pressure



WEEE –
Waste Electrical & Electronic Equipment
Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish

Contact Details

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