DIRECT POWER

DIRECT POWER

12 month Full Manufacturer's Warranty

SAFETY AND OPERATING MANUAL

24L COMPRESSOR BP24L20

DIRECT POWER

Congratulations on your purchase of a DIRECT POWER power tool from Screwfix Direct Ltd. We want you to continue getting the best performance from it so this handbook includes information on safety, handling and care. Please retain this handbook in case you need to refer to any of the information in the future.

Your DIRECT POWER power tool comes with a 12-month guarantee, so should it develop a fault within this period contact Screwfix Direct Ltd on Freephone 0500 41 41 41.

GUARANTEE

This DIRECT POWER product carries a Screwfix Direct Ltd guarantee of 12 months. If your product develops a fault within this period, you should, in the first instance contact Screwfix Direct Ltd on Freephone 0500 41 41 41. If the fault occurs within the first 12 months, you may return the goods for a full refund or we will repair or replace the goods if you prefer. When repair is not practical or identical goods are not available, alternative goods of similar specification and quality will usually be provided but, failing this, you will be offered a partial or full refund depending on the time period since purchase.

This guarantee specifically excludes losses caused due to:
- Fair wear and tear
- Misuse or abuse
- Lack of routine maintenance
- Failure of consumable items (such as batteries)
- Accidental damage
- Cosmetic damage
- Failure to follow manufacturer's guidelines
- Loss of use of the goods
- Repairs attempted by anyone, unless authorised by Screwfix Direct Ltd.

This guarantee does not affect your statutory rights. This guarantee is only valid in the UK.

For further technical advice, spare parts or repair service (outside of guarantee) please contact the customer helpline number on 0845 607 6380.

24L COMPRESSOR BP24L20

SAFETY INSTRUCTIONS

WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
SAVE THESE INSTRUCTIONS

1) **Work area**
a) **Keep work area clean and well lit.** *Cluttered and dark areas invite accidents.*
b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety
a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

3) **Personal safety**
a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
b) **Use safety equipment. Always wear eye protection.** *Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
c) **Avoid accidental starting. Ensure the switch is in the off position before plugging in.** *Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.*
d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of these devices can reduce dust related hazards.*

4) **Power tool use and care**
a) **Do not force the power tool. Use the correct power tool for your application**. *The correct power tool will do the job better and safer at the rate for which it was designed.*
b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
c) **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users*.
e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from intended could result in a hazardous situation.*

5) **Service**
a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR COMPRESSOR

1. Warning! If not used and maintained correctly this compressor when used with some pneumatic tools can cause serious injury and death. Before attempting to operate this machine, it is important that you read, understand and follow these instructions very carefully. They are designed for the safety of yourself and others ensuring a long and trouble free service life from your machine. If not used correctly and as detailed in these instructions pneumatic tools can be dangerous. This product can cause injury to the operator and others. The warnings and safety instructions must be followed to ensure reasonable safety and efficiency in using this product. NOTE: The operator is responsible for following the warnings and safety instructions in this manual and on the product.
2. Ensure that this compressor is disconnected from the mains supply when not in use and the air receiver fully discharged before servicing, lubricating or making adjustments and when changing accessories Always switch On and OFF using the ON/OFF switch on the compressor before switching OFF at the mains supply.
3. Warning! When spraying paint or cleaning agents the fine mist produced could ignite. When performing this type of operation the compressor must be a minimum of 4 Metres away from the work area. Do not smoke and keep naked flames and other sources of ignition well away from the work area.
4. This air compressor must be used in a suitable environment. There must be adequate ventilation, the ambient temperature must be +5/+40°C. The working area must be free from dust, acid vapour, explosive gasses and flammable materials.
5. Compressed air can be potentially dangerous when not used correctly. Do not exceed the maximum rated air pressure for the accessory. Do not direct compressed air at yourself, any other person or animals. Do not direct any liquid or any other material that is being sprayed by yourself towards any other person or animals.
6. Only use hoses and connectors designed for use with compressed air. The maximum working pressure of hoses and connectors must be higher than the maximum working pressure of the compressor. Do not attempt to move the compressor by pulling on the air hose.
7. This compressor is designed for tyre inflation, the operation of pneumatic tools, spray painting and spraying non-corrosive cleaning agents. Do not use this compressor for filling cylinders for breathing or diving apparatus. Compressed air from this compressor must not be used for pharmaceutical, food or health applications.
8. When spraying flammable liquids such as paint and non-corrosive cleaning agents the distance between the compressor and the work area must be a minimum of 4 metres. When spraying liquids always wear a suitable face mask designed for protection against the liquid being sprayed. Always wear approved safety glasses.
9. Do not attempt to modify the compressor or any pneumatic tools in any way. Use only accessories and pneumatic tools that are rated for the capacity of the compressor. Never leave the compressor pressurised.

SYMBOLS

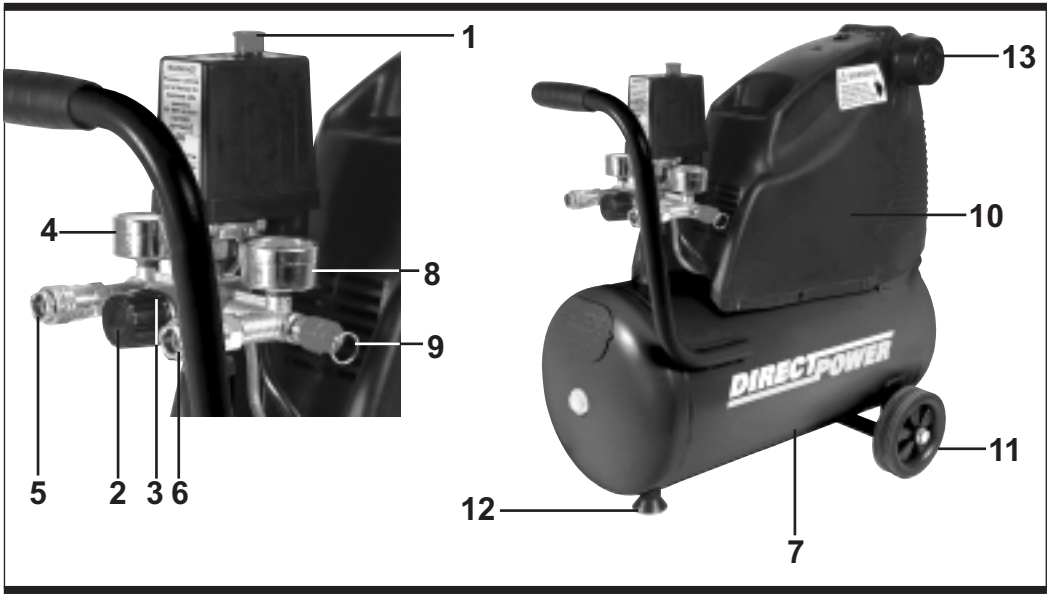
 Read the manual

 Warning

 Caution! Hot surface

 Wear ear protection

 Wear eye and dust protection



1 ON/OFF PRESSURE SWITCH
2 AIR OUTLET PRESSURE REGULATOR
3 AIR OUTLET PRESSURE REGULATOR LOCK RING
4 AIR OUTLET PRESSURE GAUGE
5 AIR OUTPUT QUICK RELEASE CONNECTOR (REGULATED)
6 AIR OUTPUT QUICK RELEASE CONNECTOR (NON REGULATED)
7 AIR RECEIVER TANK
8 AIR RECEIVER PRESSURE GAUGE
9 PRESSURE RELIEF SAFETY VALVE
10 AIR PUMP MOTOR
11 WHEELS
12 RUBBER FOOT
13 AIR FILTER

TECHNICAL DATA

Voltage:	230V~50Hz
Input power:	2.0HP
Receiver capacity:	24L
CFM:	7.66
FAD @ 90 psi:	76L/min
Maximum pressure:	115 psi
Net weight:	25 kgs

NOISE DATA

As stated on the machine

OPERATION INSTRUCTIONS

Warning: Before using this compressor be sure to read the instruction manual carefully.

1. ASSEMBLY

Insert the rubber foot into the receptacle on the bottom of the air receiver tank (See Fig.2). Fit the 2 wheels as shown in Fig.3.
Remove the bung (if fitted) from the air inlet on the cylinder head and screw in the air filter (See Fig.4).
This is an "oil less" compressor, this means that lubrication of moving parts is achieved by using lubricant impregnated materials, there is therefore no oil reservoir and the compressor can be mounted in any orientation without the fear of spilling oil. The only consideration when mounting is the position of the water drain cock. Warning! When the compressor is used for spraying paint or spraying cleaning agents the fine mist produced could ignite. When performing this type of operation the compressor must be a minimum of 4 Metres away from the work area. Do not smoke and keep naked flames and other sources of ignition well away from the work area.

Fig 2

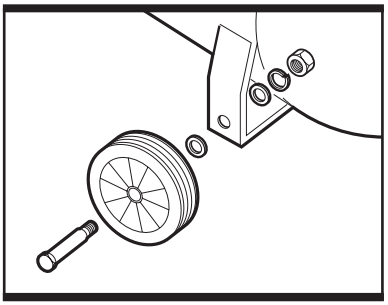


Fig 3

Fig 4

2. BASIC COMPRESSOR OPERATION

Important Note: This manual is provided to allow the correct assembly and basic safe operation of the compressor. It must be read in conjunction with the manual that is supplied with any other accessory intended for use with this compressor. For more detailed information on the use of compressors and accessories, we strongly recommend that you purchase a good quality publication, in order to allow you to use this product to its full potential.

The electric motor drives an air pump which draws in air from the atmosphere and delivers it into the air receiver tank through the air receiver

Fig 5

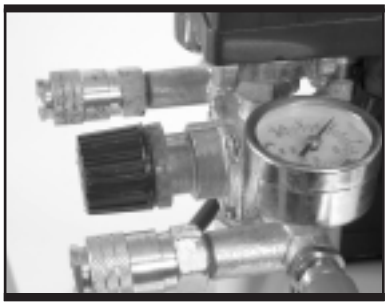


Fig 6

Fig 7

Fig 8

tank supply tube. When the air pressure in the air receiver tank reaches the operating pressure of 8 Bar the pressure switch operates and switches OFF the mains supply to the motor. At the same time the air that is in the pump cylinder, air receiver tank, supply tube and the pressure switch is discharged. This depressurises the pump and the pressure regulating system allowing the pump to re-start when the air pressure in the air receiver tank falls below the minimum operating pressure of 6 Bar. The pressure switch is fitted with a delayed discharge valve which will start the air pump motor. The pressure relief safety valve is set to operate at 8.5 Bar and is connected directly onto the air receiver tank and will operate if the set pressure of 8.5 Bar is exceeded should the pressure switch fail.

3. OVERLOAD PROTECTION

This compressor is fitted with an overload protection device, In the event that the motor becomes too hot a thermal protection device will cut the mains supply to the motor. When the motor temperature returns to normal, the mains supply will be restored automatically.

4.SWITCHING ON AND OFF

Warning! Switching ON & OFF must be done using the ON/OFF switch mounted on the compressor. Switching the compressor OFF at the mains supply can damage the motor and will invalidate the guarantee.

Before switching on the power supply to the compressor check that the ON/OFF switch is in the OFF position (pressed in) (See Fig.5). Check that the air outlet pressure regulator is closed (See Fig.6). Check that the water drain cock is closed (See Fig.7). Connect the compressor to a suitable 13A mains supply. Switch on the compressor by pulling up the ON/OFF switch (See Fig.8). The compressor will now start.

When the air receiver tank is pressurised to its working capacity the compressor will automatically switch off. When the compressor switches off there will be the sound of leaking air while the pressure regulating system is depressurised, this will last for only a few seconds and is quite normal. Check all valves and regulators for leaks. Note during extended periods of use the air receiver tank supply tube will become hot.

5.CONNECTING HOSES AND ACCESSORIES

Warning! Do not operate accessories at an air pressure greater than the maximum rated air pressure for the accessory.

Connect a hose to the compressor using the hose to compressor quick release connector (See Fig.9). When using the regulated air output first determine the working pressure of the accessory by referring to the accessory manual. Slowly open the air outlet pressure regulator (See Fig.10) at the same time observing the air outlet pressure gauge until the pressure gauge reads the minimum pressure for the accessory. Fine adjustments to the air pressure can be made until the accessory is working at its optimum performance.

When the correct operating air pressure has been set, the air outlet pressure regulator can be locked by tightening the locking ring (See Fig.11). Do not exceed the maximum rated air pressure for the accessory.

To disconnect a hose push the hose connector towards the compressor and at the same time pull back the brass collar, this will allow the hose to be removed (See Fig.12).

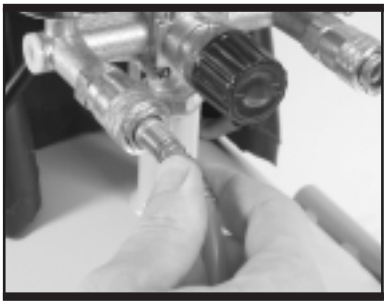


Fig 9

Fig 10

Fig 11

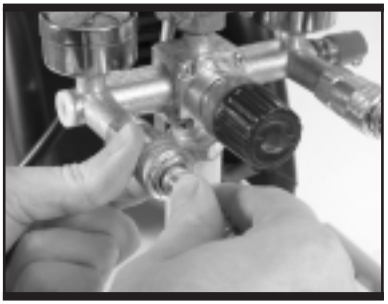


Fig 12

MAINTENANCE

Warning! Before carrying out any maintenance or adjustments the machine must be disconnected from the mains power supply.

1.The compressor must be drained completely by loosening the water drain cock. Drain the air receiver tank daily after use.

2. The air filter can be removed for either cleaning or replacing. Clean the air filter element after every 100 hours of use or if low pressure is experienced. Replace the air filter after 200 hours of use. Note: Under no circumstances should the compressor be operated with the air filter removed.

3.Cleaning and maintaining the compressor regularly will give a long and trouble free life. Before long term storage it is advisable to give the compressor a thorough clean. This should include the removal of all fitted accessories. Do not use any solvents as these can damage plastic parts. Only use a clean cloth dampened with warm soapy water. Any metal parts should be given a wipe with a light machine oil to prevent rusting. CAUTION. Water must never come into contact with the compressor.

SPARES HELPLINE
01302 721791

ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

PLUG REPLACEMENT

The fuse in the main plug of your compressor should always be replaced with one of identical rating.

Check the voltage given on your compressor matches the supply voltage.

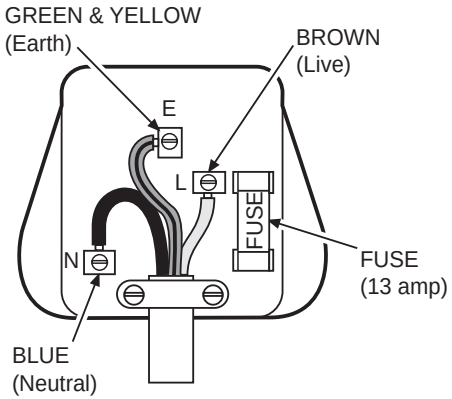
The compressor is supplied with a fitted plug, however if you should need to fit a new plug follow the instruction below.

IMPORTANT

The wire in the mains lead are coloured in accordance with the following code:

Blue ---Neutral
Brown ---Live
Yellow / Green --- Earth
The wire that is coloured **blue** must be connected to the terminal that is marked with the letter **N.** The wire that is coloured **brown** must be connected to the terminal that is marked with the letter **L.** The wire that is coloured **yellow / green** must be connected to the terminal that is marked with the letter **E.**

A 13AMP (BS1363 or BS1363/A) plug must be used and a 13 AMP fuse must be fitted.



24L COMPRESSOR BP24L20

Declaration of Conformity

We, Importer
Direct Power
Yeovil
BA 22 8RT

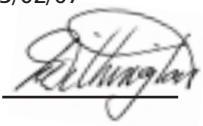
Declare that the product
24L Compressor
BP24L20

Complies with the essential health and safety requirements of the following directives:
89/336/EEC - EMC Directive.
2006/95/EC - Low Voltage Directive.
98/37/EEC - Machinery Directive.
2000/14/EC - Noise Directive.

Standards and technical specifications referred to:
EN 55014-1: 2000/+A1: 2001/+A2:2002
EN 55014-2: 1997/+A1:2001
EN 61000-3-2: 2000/+A2: 2005
EN 61000-3-3: 1995/+A1: 2001
EN 61000-3-11: 2000

Authorised Signatory

Date: 13/02/07

Signature: 

Name: David Withington
Nutool Ltd
Quality Manager

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