ENERGY 12

AIR COMPRESSOR

INSTRUCTION MANUAL

SIFCO®
fastening solutions

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ENERGY 12 AIR COMPRESSOR

INSTRUCTIONS AND GUARANTEE

FOREWORD
This manual has been prepared to facilitate the use and servicing of your compressor. If followed carefully, these instructions will ensure efficient operation and low maintenance costs. Sections marked by the word **IMPORTANT** contain special directions which, if not properly carried out, can cause damage to persons and property. Only the use of original spare parts will ensure the efficiency and working life of your compressor.

UNPACKING
The packaging may include metal staples, always wear safety gloves and use pliers when removing them.

- Make sure compressor is in perfect condition and that the following items are present: user and maintenance manual, wheels and/or vibration dampers, air intake filter.
- If necessary, fit the vibration dampers (**H**).

INSTALLATION
Install compressor only in well-ventilated rooms as free as possible of dust and excess moisture. Always position the compressor **at least 50cm** from any obstacles that could obstruct the passage of air and hence affect the cooling system.

ELECTRIC POWER
Compressor should be located AS CLOSE AS POSSIBLE to 240 volt 50 cycle mains power – extension power cords should be capable of carrying 15 AMP and should not exceed 4 metres in length.

INITIAL START UP

- Insert the mains plug and switch on using the switch **A.**
- The first time the compressor is switched on, leave it to run for about five minutes with the air condensation valve (E) open. Close the valve and check that the compressor pressurises the air tank, stopping when it reaches 145 PSI (as indicated by the tank pressure gauge **D**).
- The compressor operates in automatic mode, stopping when the pressure reaches 145PSI and restarting when the pressure falls to the calibrated minimum value.

IMPORTANT: When the compressor is operating correctly it releases a puff of compressed air each time it is switched off and a puff of air each time it is switched on.

IMPORTANT: Never use the wall switch to stop the compressor. To start or stop compressor always use the pressure switch on/off control (**A**). This allows the air in the head to be released and facilitates subsequent restarting.

IMPORTANT: Pressure cannot be regulated by the pressure switch.

REGULATING WORKING PRESSURE
You can regulate the output pressure which is indicated by the gauge **F** by adjusting the regulator **C.** When using pneumatic tools always check the optimum working pressure of the tool.

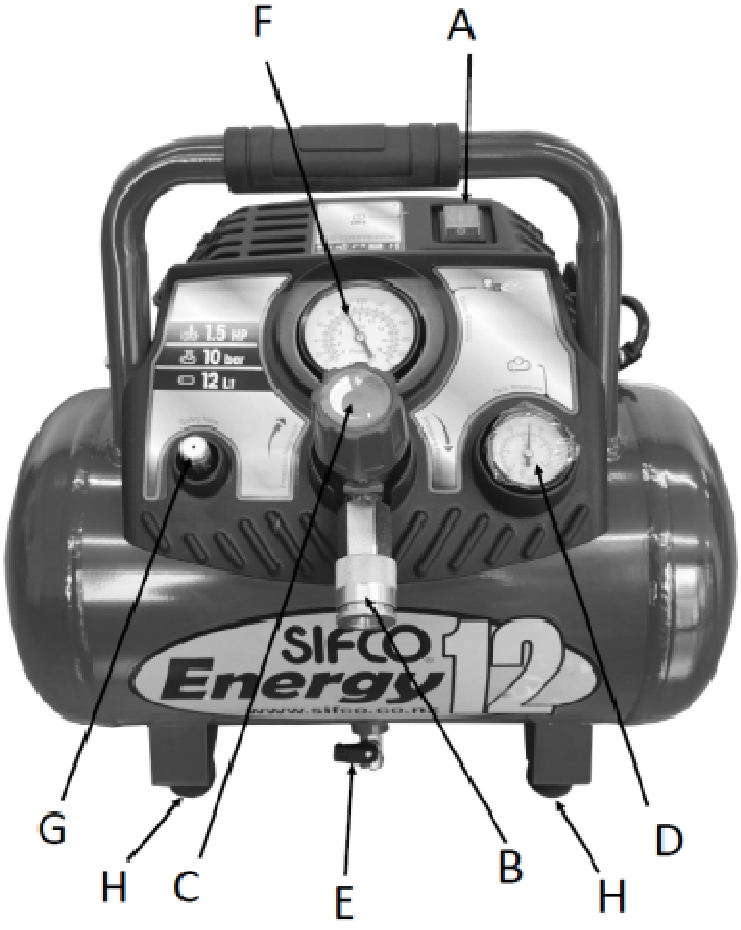
IMPORTANT: If pressure is kept at maximum setting for a prolonged period of time, it can cause the regulator's diaphragm to become worn. After use, reset regulator at zero by turning knob **C**.

CHANGING THE TOOL
Tools are connected via the quick release coupler **B**. Whenever it is necessary, connect a tool or change one when the air tank is pressurised.

- Release the quick release coupler fitting by pushing the flange inwards, the air flow is interrupted immediately.

SAFETY VALVE
The safety valve (**G**) has been set to the highest permitted pressure for the compressor. It is prohibited to adjust the safety valve. Actuate the safety valve from time to time to ensure that it works when required. Turn the nut until you can hear the compressed air being released, then screw it back in. Always keep the safety valve and the surrounding area clean and free of obstructions.


A
OFF
AIR COMPRESSOR
1.5 HP
10 bar
12 Lt
G
C
B
F
D


F
A
1.5 HP
10 bar
12 Lt
SIFCO
Energy 12
G
H
C
E
B
H
D

PERIODIC SERVICING: Turn the compressor off and let all the air out of the tank before carrying out any maintenance work.

Daily - Drain condensation by opening the valve **E**, positioning the tank so that the valve opening points downwards, close the valve as soon as it begins to vent air only.

IMPORTANT – Do not operate the compressor without the intake filter.

TROUBLE SHOOTING

The tank pressure decreases

(a) Check that all the connectors are closed correctly. If the problem persists contact a SIFCO Service Centre.

Air Leaks from the pressure switch when the compressor is not running

(a) Clean the valve seal seat thoroughly.
(b) Substitute the sealing element if necessary.

Air Leak from the pressure switch when the compressor has been running for more than 1 minute

(a) Idle start valve faulty.
(b) Switch off power and call SIFCO Service Centre.

Compressor stops and does not start again

(a) Disconnect the power supply, wait a few minutes and then reconnect and turn on.
(b) If the motor-protector trips again when the compressor is restarted switch off power and call SIFCO Service Centre.

Compressor does not stop when it reaches 145PSI causing the safety valve to open

(a) The pressure switch may be faulty.
(b) Switch off power and call SIFCO Service Centre.

The compressor fails to pressurise the tank and overheats

(a) Blown head gasket or faulty valve.
(b) Switch off power immediately and call SIFCO Service Centre.

Compressor is very noisy with rhythmic, metallic hitting

(c) The bushing or ferrule may have become seized.
(d) Switch off power immediately and call SIFCO Service Centre.

IMPORTANT:

- Never unscrew any connection when tank is pressurised. Always make sure it is empty.
- Never remove pressure switch cover with power on.
- If compressor is off but power on, it can start again suddenly. Before doing anything, make sure that power is off and all the air released from tank.
- Turn power off every evening so that compressor does not start running overnight – at pressure switch and at wall.

GUARANTEE

SIFCO will, free of charge, repair or, at its option, replace any part thereof which proves to be commercially defective as to materials or workmanship, provided that compressor is returned freight paid to a SIFCO Service Centre within 90 days of the date of delivery.

- This guarantee is annulled if the buyer does not observe the terms and conditions of the contract, if the machine has not been installed properly or is submitted to an abnormal workload, more than 8 hours a day (20 minutes per hour).
- The buyer is also liable for all expenses if a Serviceman is asked to look at unit and can find no fault in the manufacture of the compressor.
- The guarantee is also voided by tampering, misuse or operation above the maximum pressure.
- If these provisions are not observed, SIFCO declines all responsibility.

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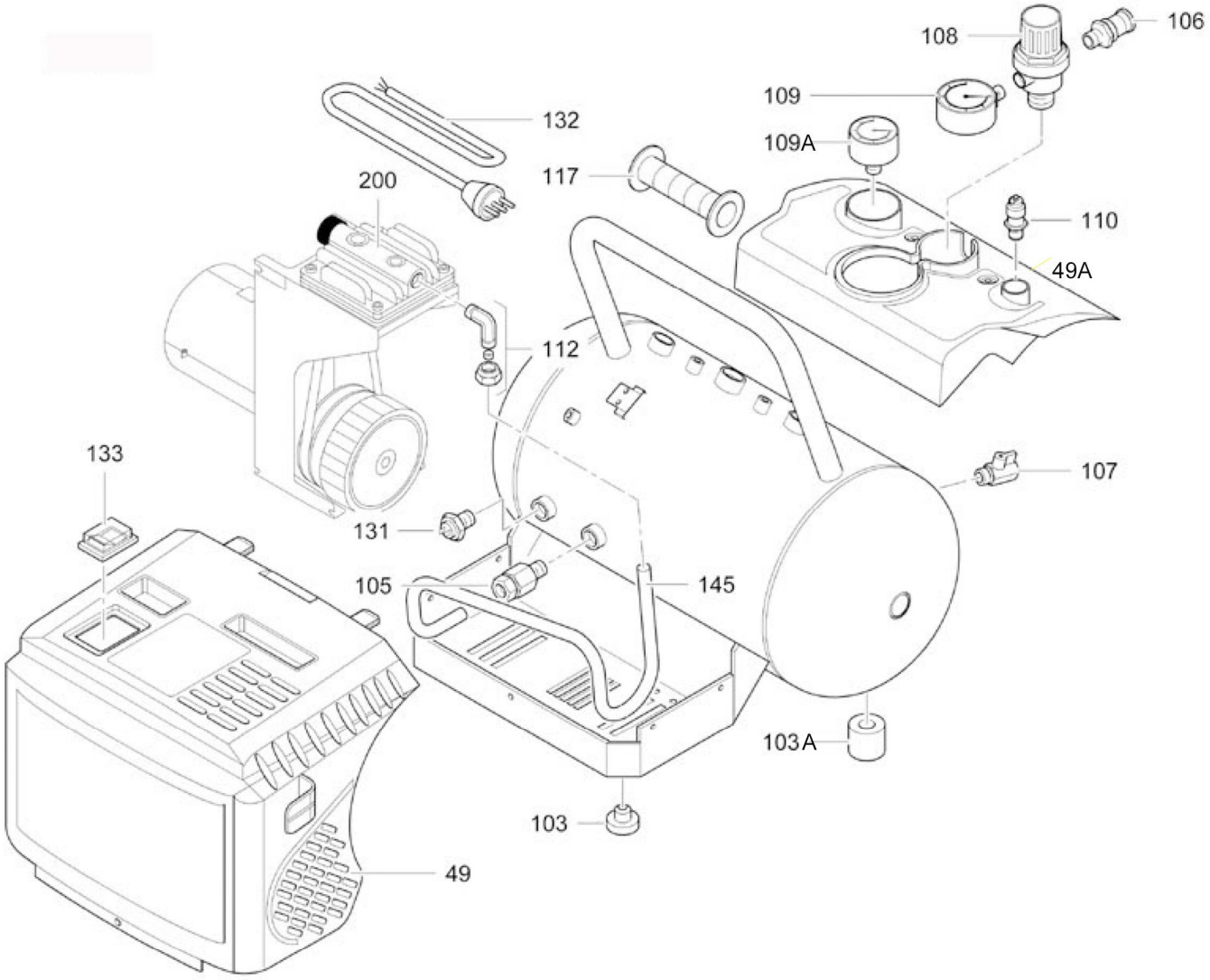
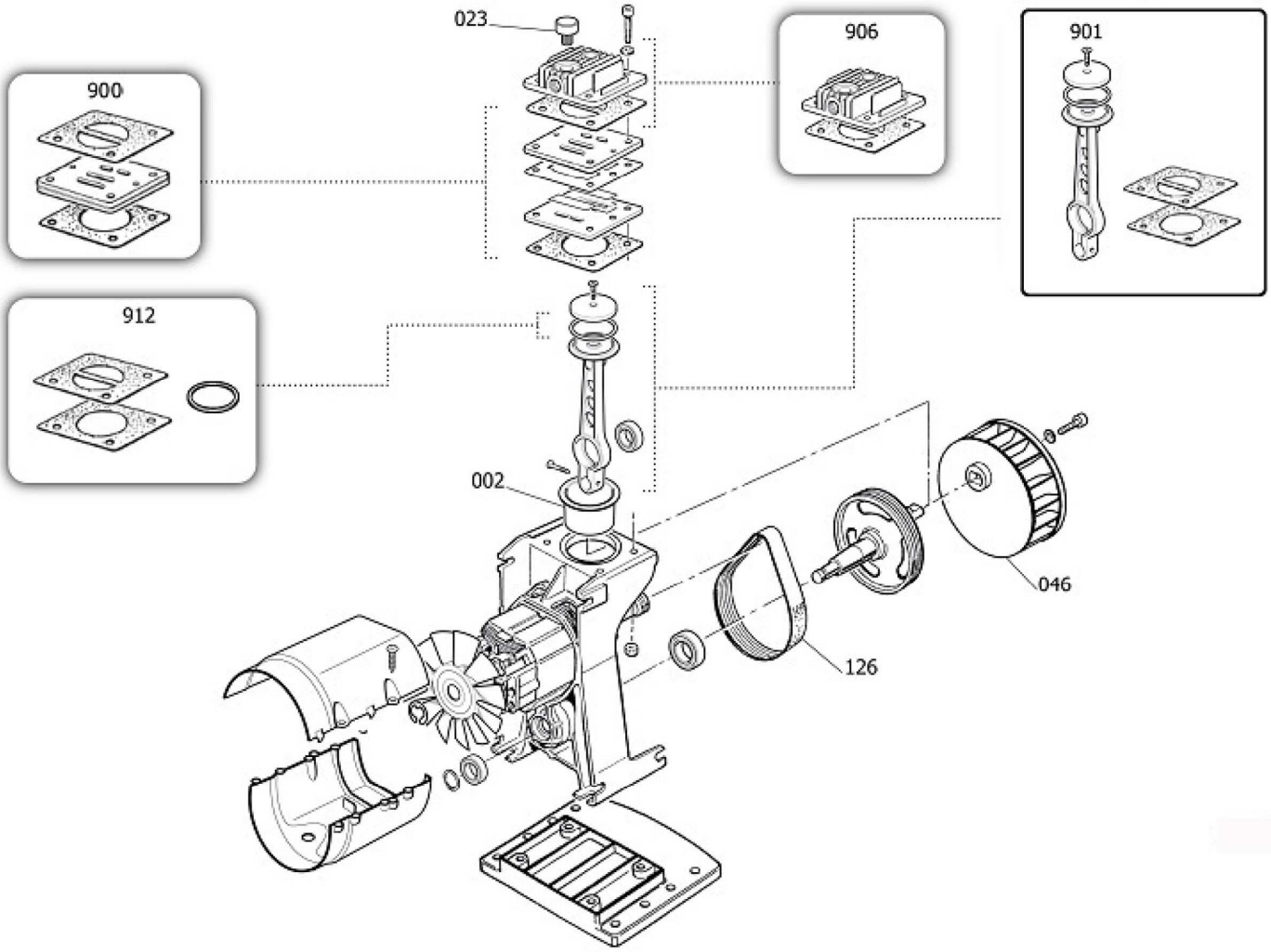


Item	Code	Part Name	UOM	Qty
49	9038793	SHROUD, FRONT	X	1
49A	9038794	SHROUD, MOTOR COVER	X	1
103	9038990	SMALL	X	2
103A	9069291	30 X 25MM	X	2
105	9412186	NON RETURN VALVE	X	1
106	86523K	COUPLER	X	1
107	9047100	CONDENSATE DRAIN COCK	X	1
108	9051174	PRESSURE REDUCER	X	1
109	9052184	PRESSURE GAUGE 60MM	X	1
109A	9052183	PRESSURE GAUGE 40MM	X	1
110	9049335	RELIEF VALVE	X	1
112	9050601	NIPPLE/ELBOW	X	1
117	9038856	KNOB	X	1
131	9063202	COMPLETE PRESSURE SWITCH	X	1
132	9065846	POWER CABLE	X	1
133	9064185	SWITCH	X	1
145	9043614	DELIVERY PIPE	X	1
200	C600000	BARE PUMP	X	1

C600000

BARE PUMP



Item	Code	Part Name	UOM	Qty
2	A631040	Cylinder	X	1
23	9416634	Air Filter Assembly	X	1
46	9038394	Fan	X	1
126	9075338	Poly V Belt	X	1
900	9434A38	MPK Valve Plate OL195 MINY	X	1
901	9434B38	MPK Piston-Conrod OL195 MINY	X	1
906	0434G28	MPK Head OL195 BRICO	X	1
912	9434C35	MPK Piston Rings OL195 MINY	X	1

NOTES: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