TITAN 26R

AIR COMPRESSOR

INSTRUCTION MANUAL

SIFCO fastening solutions

Auckland
34 Lansford Cres
Avondale 0600
Ph 09 828 2019

Tauranga
3/94 Newton St
Mt Maunganui 3116
Ph 07 575 0088

Christchurch
3 Industry Ave
Waterloo Park 8042
Ph 03 358 8135

TITAN 26R 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.

INITIAL CHECK-LIST
The packaging may include metal staples, always wear safety gloves and use pliers when removing them.

- Make sure compressor is in perfect condition.
- Use dip-stick to check oil level in crank case. It should be midway between the minimum and maximum (Fig. 1); use SIFCO BCNZ618 pump oil or any Heavy Duty SAE30 oil.
- **Important:** Seizing and serious damage can occur if oil level is below minimum.

INSTALLATION
Install compressor only in well-ventilated rooms as free as possible of dust and excess moisture. Do not use the compressor if it is installed on floors with a slope of more than 15 degrees (Fig. 9). 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

- Let compressor run for 2 minutes with the air bleed cocks fully open so as to ensure proper lubricant circulation.
- Close cocks and make sure that compressor stops when maximum pressure is reached in tank.
- Compressor's running is fully automatic; the pressure switch stops the motor when maximum set pressure is reached and restarts it when pressure falls below minimum set point.

IMPORTANT: Proper automatic running is signalled by the release (hiss) of air under pressure switch every time the motor stops.
IMPORTANT: Never use the wall switch to stop the compressor. To start or stop compressor always use the pressure switch on/off control (Fig 2). 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
Compressed air output pressure can be set to desired pressure on filter/regulator. Just turn the knob **B** clockwise to increase and anti-clockwise to decrease pressure (Fig. 3). The compressed air output setting is shown by the pressure gauge (**H1**) of the pressure reducer.

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 **B**.

OVERLOAD CUTOUT
Compressor is fitted with a motor-protector, which automatically interrupts the electrical power supply if an overload occurs. In this case, disconnect the power supply and wait a few minutes before resetting the motor-protector (Fig. 8), then restart the compressor. If the motor-protector trips again, disconnect the power supply and contact a SIFCO service centre.

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

After the first 50 working hours:

- Change the oil completely.
- Tighten head lock screws.
- Make sure all screws are tight.

Weekly:

- Check oil levels (Fig. 1) and top up if necessary.
- Drain condensation by opening cock **C** under tank (Fig. 5).

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FIG 1

FIG 2

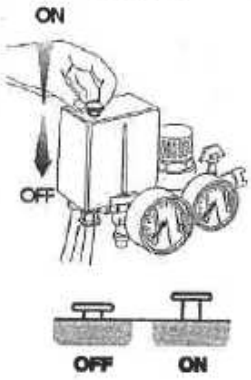


FIG 3

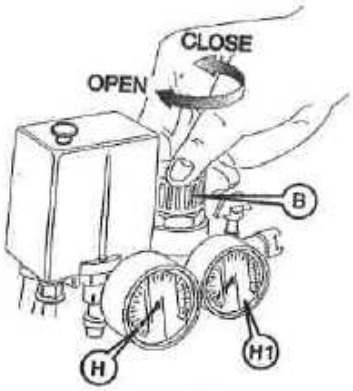


FIG 4

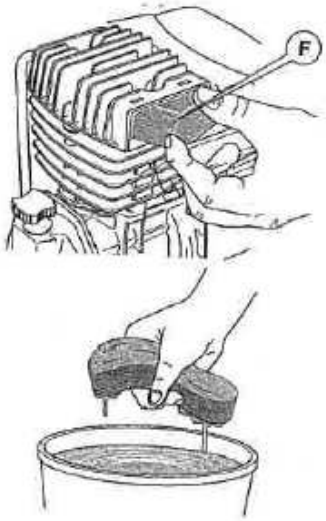


FIG 5

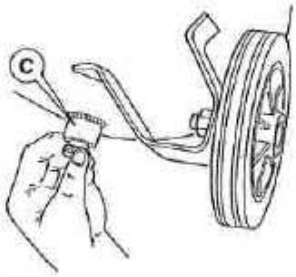
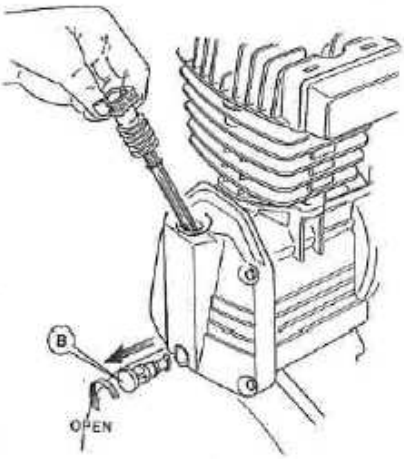


FIG 6



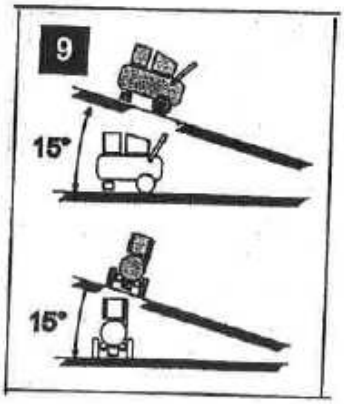


FIG 7

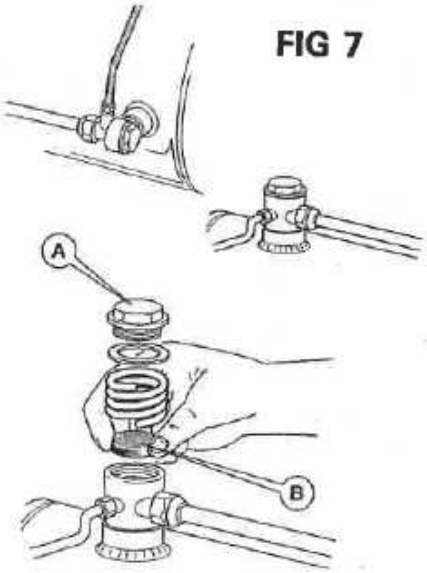
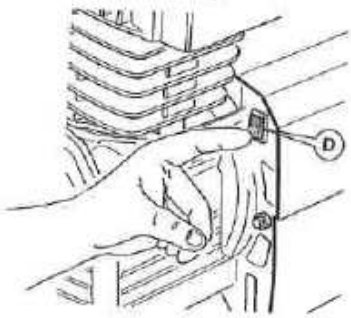


FIG 8



Monthly:

- Remove intake filter **F** and clean (Fig. 4). Change filter element yearly.

Every 500 working hours of six months:

- Change compressor oil by removing dipstick and unscrewing screw B (Fig. 6) and draining into a container.
- Thoroughly clean all external compressor and motor parts. This is necessary to ensure proper cooling and longer working life.

Every 2000 working hours or two years:

- Check and clean intake and delivery valves.
- Check on-return valve and replace seal if necessary (Fig. 7).

TROUBLE SHOOTING

Air Leak

(a) Run compressor to maximum pressure.
(b) Turn off power.
(c) Apply soap and water to all screwed-down connections by means of a brush. Any air leaks will be signalled by the appearance of bubbles.

Air Leak from the pressure switch with compressor off

(a) Release all compressed air in tank.
(b) Remove non-return valve cap **A** (Fig. 7).
(c) Thoroughly clean valve seat and rubber seal **B** and remount everything.

Compressor stops and does not start again

Check that compressor assembly is not blocked. If it is not a mechanical failure, the fault is in the electric power. If unit is fitted with an overload cut-off, it is enough in many cases just to press the reset button, **once the cause has been determined** (Fig. 8). If there is no overload cut-out and the motor does not start, proceed as follows:

(a) Make sure there is 240 volts at plug.
(b) Make sure that voltage at pressure switch controls is 240 volt.
(c) Check if motor's coil is burnt out.

Compressor does not pump air and overheats

Either the head seal or a valve is broken. With compressor cold, dismantle head and replace faulty part, being careful to thoroughly clean seal surfaces.

Compressor is very noisy with rhythmic, metallic hitting

The bearing or bushing is burnt out. This occurs when compressor is run without oil or when the oil stops lubricating because it has not been changed on schedule. A skilled service mechanic must be called.

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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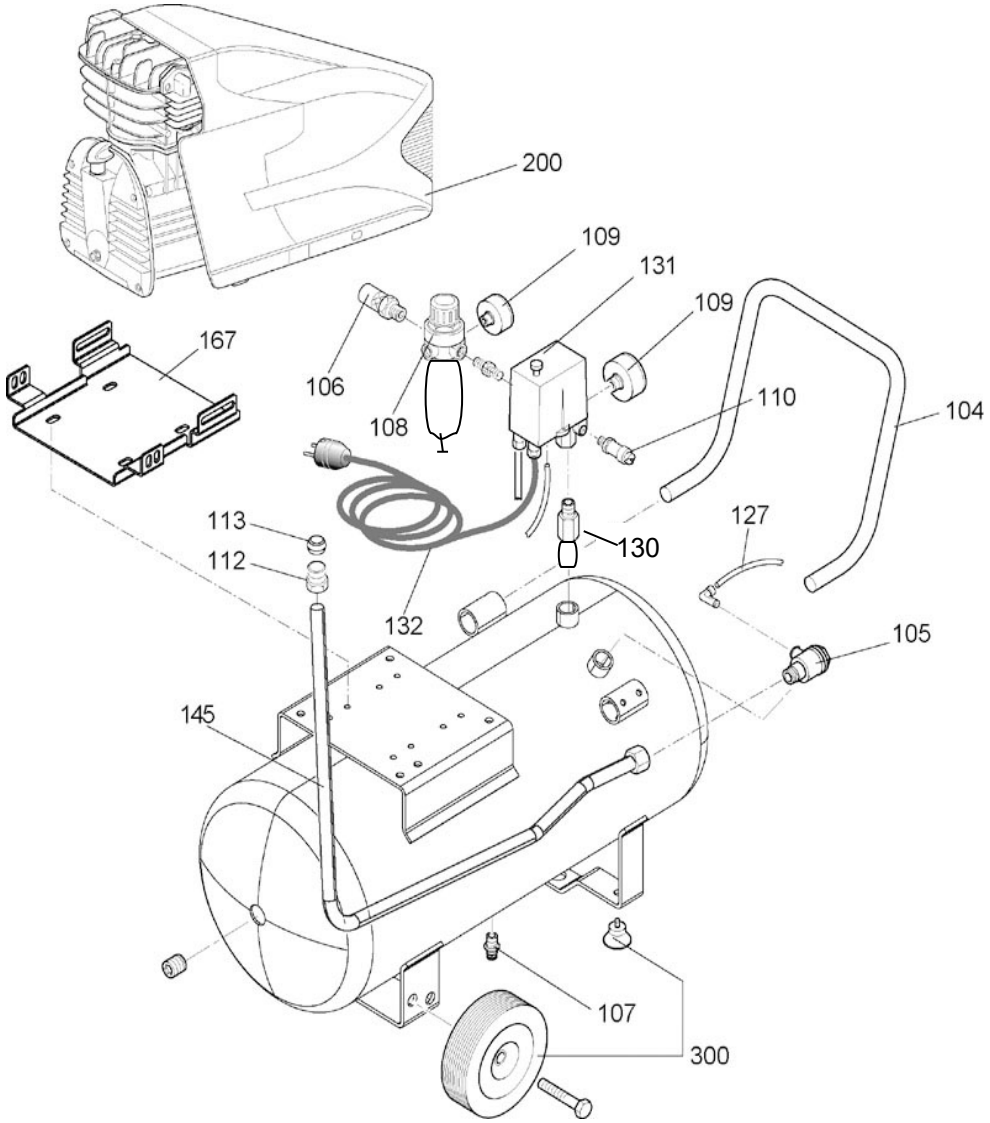
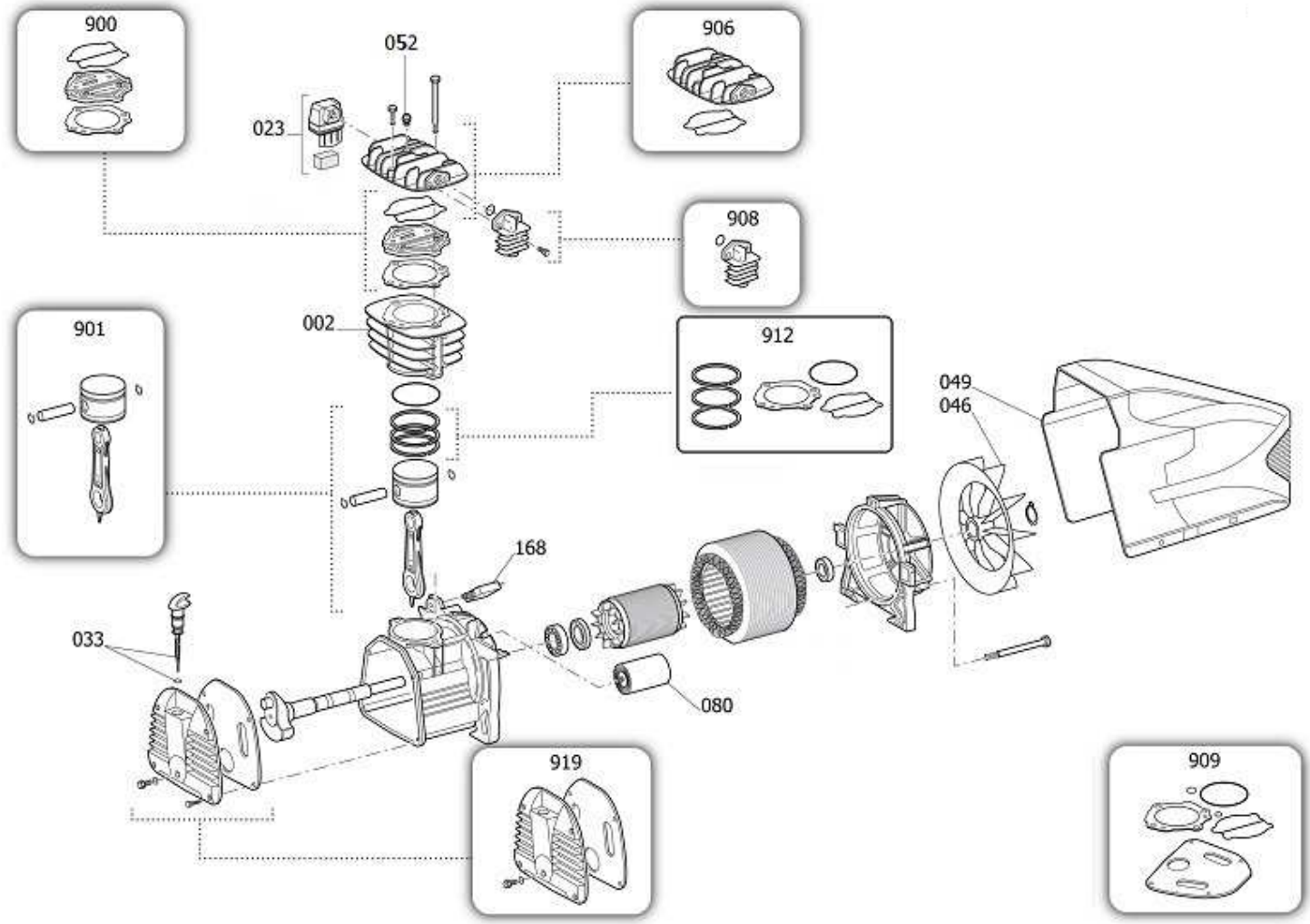


ITEM	CODE	DESCRIPTION	UNIT	QTY
104	9083898	GRIP	X	1.0
105	9048114	CHECK VALVE	X	1.0
106	86523K	COUPLER	X	2.0
107	9047097	CONDENSATE DRAIN COCK	X	1.0
108	319207000	FILTER/REGULATOR	X	1.0
109	1681	PRESSURE GAUGE	X	1.0
109	1481	PRESSURE GAUGE	X	1.0
110	9049335	RELIEF VALVE	X	1.0
112	9050511	NIPPLE/ELBOW	X	1.0
127	9053420	RILSAN PIPE 4/6 BLACK	MT	0.3
130	199130360C	FM-M ADAPTOR	X	1.0
131	9063084SGL	COMPLETE PRESSURE SWITCH	X	1.0
132	9065847	POWER CABLE	X	1.0
145	9043830	DELIVERY PIPE	X	1.0
200	516NC05605	BARE PUMP	X	1.0
300	9421117	WHEELS/FEET MOUNTING KIT	X	1.0

TITAN 26R
MK285 BARE PUMP



ITEM	CODE	DESCRIPTION	UNIT	QTY
2	4105146	CYLINDER	X	1.0
23	9434M02	AIR FILTER ASSEMBLY	X	1.0
33	4105148	OIL PLUG	X	1.0
46	116120008	FAN	X	1.0
49	9069286	SHROUD	X	1.0
52	4101047	COLD START VALVE	X	1.0
80	9067023	CONDENSER	X	1.0
900	9434A34	MPK VALVE PLATE MK265-285	X	1.0
901	9434B34	MPK PISTON-CONROD MK285	X	1.0
906	9434G24	MPK HEAD MK147-215-265-285	X	1.0
908	9434E32	MPK AFTERCOOLER MK265-285	X	1.0
909	9434F33	MPK GASKETS MK265-285	X	1.0
912	9434C32	MPK PISTON RINGS MK285	X	1.0
919	116CN0025	CARTER COVER MK265-285	X	1.0

ASSEMBLY

You must fully assemble the compressor before using it for the first time.

Fitting the Wheels
Fit the supplied wheels as shown in Figures below:

- Fig. 10 & 11: Assembly of wheel kit – version B.
- Fig. 12: Assembly of wheel kit – version C.
- Fig. 13: Assembly of wheel kit – version D.
- Fig. 14: Assembly of wheel kit – version E.

Fitting the Rubber Foot (Ref. 4)
Fit the supplied rubber stopper as shown in Fig. 15.

Fitting the Transport Handle (for models with this)
Screw the transport handle to the compressor as shown in Fig. 16.

Fig. 10

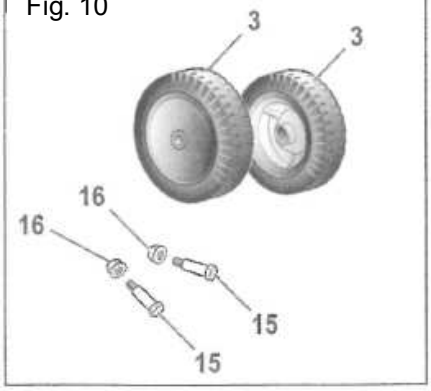


Fig. 11

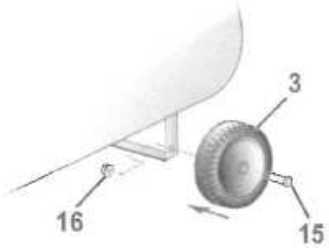


Fig. 12

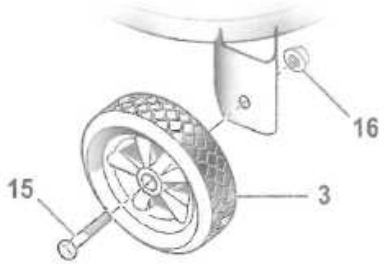


Fig. 13

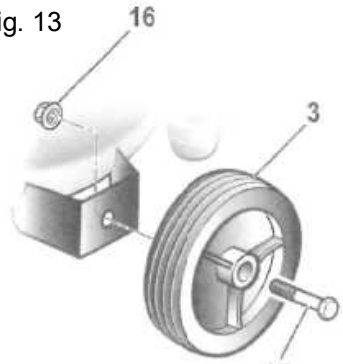


Fig. 14

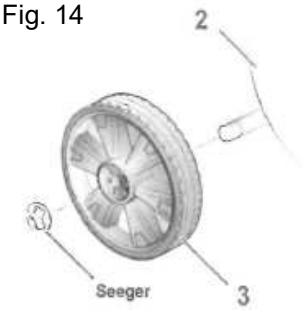


Fig. 15

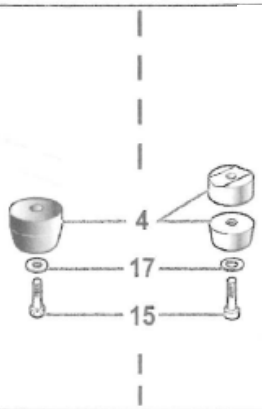
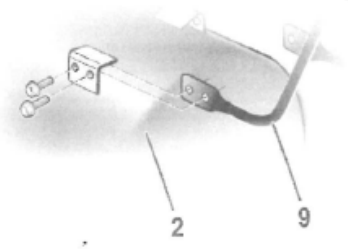


Fig. 16

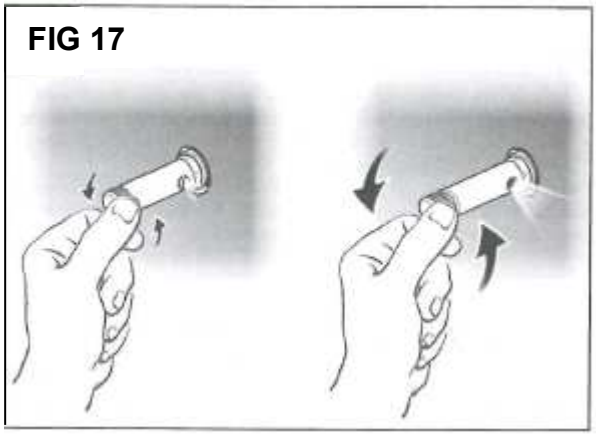


SAFETY VALVE

The safety valve has been set for the highest permitted pressure of the pressure vessel.

It is prohibited to adjust the safety valve. The safety valve may be equipped with a special nut. 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 (Fig. 17), then screw it back on. Always keep the safety valve and the surrounding area clean and free of obstructions.

FIG 17



NOTES:

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