



# Lubricated TC Models

P 15 TC • P 30 TC • P 50 TC+AL



## General User and Maintenance Instructions

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Thank you and congratulations on the purchase of your PANTHER, the leader in the industry of portable air compressors.

The PANTHER is built to the highest quality standards which produces excellent efficiency. If you use it properly and maintain it according to this manual, it will perform to your fullest satisfaction for many years to come.

Please read this manual carefully and follow the instructions, it will guarantee you a troublefree operation.

## A. Installation

1. After taking your **lubricated PANTHER Model** out of its packaging, please check it carefully for any damages due to shipping.
2. Install the compressor on a flat surface in a **suitably sized, dry room** with **good ventilation**, where the temperature is not likely to rise above **94 Degrees Fahrenheit** (35 Centigrades).
4. Dispose of the Packing Material in compliance with the regulations in the country or state where the compressor is installed.

## B. Safety

1. **Do not** use the **lubricated PANTHER Models** for purposes other than those for which they have been designed.
2. **Do not** modify or repair the compressor while it is connected to the electric current or while the tank is still pressurized.



This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone please do not remove product covering.



The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.



WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE..

## C. Operating Instructions



Fig. 1

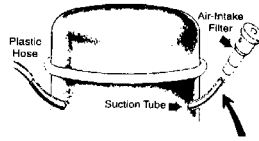


Fig. 2

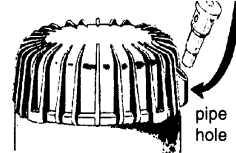


Fig. 3

1. Check that the automatic ON/OFF-Pressure Switch is in the **OFF**-position (or turned fully counter-clockwise, Fig. 1).
2. The lubricated PANTHER Compressors are available in the following different Models: **P 15 TC, P 30 TC, P 50 TC+AL**. All these models are available in the **115V/60Hz**-version. On special request most of these models can also be delivered in the **230V/60Hz** version.

**Note:** Check to see if the outlet of your electric supply **corresponds** to your compressor version.

3. Remove and store the plastic cap from the suction tube (P 15 TC, P 30 TC) according to Fig. 2, or from the hole for the air-filter in the cover of the compressor pump (P 50 TC+AL) according to Fig. 3.

4. Fill oil from the supplied bottle containing a special oil for the lubricated PANTHER compressors. To the Models P 15 TC and P 30 TC fill the oil through the suction tube (Fig. 2), to the P 50 TC+AL fill it into the hole of the compressor cover (Fig. 3) until the filled-in oil reaches the mid-point level of the oil sight glass in the housing of the compressor pump. Store the rest of the oil for the next oil change.

**Note:** Never use oil different from the recommended oil by the manufacturer, as this will **void all warranties**. Overfilling with oil and turning the compressor upside down will cause the oil to spill out of the compressor.

5. Remove the **Air-Intake Filter** (Fig. 4) from the supplied plastic bag and insert it into the suction tube (P 15 TC and P 30 TC, Fig. 2) or into the hole of the compressor cover (Fig. 3, P 50 TC+AL) using normal hand pressure.
6. Connect the equipment for your application to the outgoing 1/4" male fitting on the **Filter/Regulator** (Fig. 5). To keep the connecting fitting from leaking air you should always apply **Teflon Tape** to the thread of the fitting.

7. Plug the cord into a **properly installed and grounded** outlet of electric supply **corresponding to the electric version of your purchased PANTHER compressor** (for your own safety the unit should be grounded; in the event of a short this reduces the risk of an electric shock). If you need an extension cord to operate the unit, only use a **heavy duty** extension cord, no longer than **20 feet or 6,0 m** (no household cord; it might cause a loss of power and the damage of electrical components).

**Note: Tampering with the Power Cord or Grounding Terminal will void all warranties.**



8. Turn the knob on the automatic **ON/OFF-Pressure Switch** to the **On**-position (clockwise) until it stops (Fig. 1). The Pressure Switch has been set to **automatically** start and stop the compressor at the preset pressure level. Leave it in the ON-position until you want to turn off your compressor.

**Note: Never remove or repair the ON/OFF switch while the compressor is connected to the electric outlet!**

9. After the compressor has run for a complete cycle to pressurize the tank and then shut off, you set the desired pressure with the **Filter/Regulator** (Fig. 5). Simply lift the knob on it until it unlocks, then turn it **clockwise to increase** the pressure. until the Pressure Gauge on the Filter/Regulator shows the desired pressure. To **reduce** the pressure also lift the knob on the Filter/Regulator and turn it **counterclockwise**.

**Note:** Never open the Filter/Regulator completely, it would ruin your compressor in a short period of time. If you notice that your compressor is running with a cycle of more than 50 % of the time, this indicates that you might have an air-leak in your system or that your compressor is too small for your application.

10. To turn off your compressor, simply turn the knob on the **Pressure Switch** (Fig. 1) to the **OFF**-position (counterclockwise). If the electrical power is interrupted while the compressor is in operation and it fails to restart after the power comes back on, turn the knob on the Pressure Switch to the OFF-position; this will release any pressure in the line and enable the compressor to restart again.

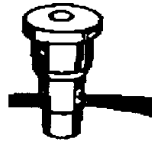


Fig. 4



Fig. 5

**Note:** The **Safety Relief Valve** is a standard feature on your compressor. This valve opens automatically if the tank pressure goes beyond a safe level.  
**Do not attempt to adjust or remove this device!**

## **D. Maintenance**

On your PANTHER there are a few parts that need your attention for proper maintenance:

1. **Air Intake Filter:**  
(Fig. 4)
  1. Unplug Power Cord.
  2. Pull Air Intake Filter out of the suction tube (Fig. 2) or the hole in the cover of the pump (Fig. 3) and remove the insert from the inside of the filter.
  3. If the insert is dirty, wash it properly with soapy water or replace it.
  4. Reinstall the Air Intake Filter at its place.
2. **Moisture Trap:**

If you use your compressor properly, the Moisture Trap (built into the Filter/Regulator, Fig. 5) will trap the moisture and dirt particles before releasing air into the line. Periodic checks for moisture should be done on a routine basis by looking at the clear bowl at the bottom side of the Filter/Regulator. Moisture can be removed by pressing up the valve core at the bottom of the bowl. If it should be necessary to remove the clear bowl for cleaning, you should be **careful** that the clear bowl doesn't contain any air under pressure at the moment you unscrew the clear bowl.

**3. Pressure Tank:**

1. Check the Pressure Tank **daily** for water inside.
2. Unplug the compressor and release all compressed air from the tank by opening the Drain Plug.
3. Tilt the unit towards the plug to allow the water to drain.
4. Air Hose and other accessories should also be drained on a regular basis

**4. Oil Change:**

1. Unplug Power Cord
2. Drain Tank by slowly opening drain valve (located at different places on the tank, according to the model of compressor).
3. Remove Air Intake Filter (on the P 15 TC and P 30 TC also the plastic hose).
4. Tilt compressor and drain all oil into a container.
5. Return the compressor into the normal upright position.
6. Refill new oil through suction tube (P 15 TC and P 30 TC, Fig. 2) or through hole in cover of the pump (P 50 TC+AL, Fig. 3).
7. Verify that the oil level is at mid level mark in the oil sight glass.
8. Reinstall the Air Intake Filter and the the plastic hose (only P 15 TC and P 30 TC, Fig. 2).
9. Plug Power Cord in again and continue using the Compressor.

## E. Troubleshooting

For any kind of repair or replacement **only use original PANTHER spare parts!** They are available at every authorized service center. Imitation spare parts may irreparably damage your compressor. When asking for information or service please always quote the Model, Type and Serial-Number of your compressor. This information is on a label of your compressor.

Symptom:	Cause:	Remedy:
<b>Compressor will not run</b>	No electric power supply, bad cord connection or incorrect extension cord  Tank is fully pressurized  Thermal Overload Protector Relay has tripped	Check outlet voltage, fuse and circuit breaker. Check cord connection for visible damage. If using an extension cord, check that it is for Heavy duty, grounded and UL-approved.  Use your equipment to lower pressure in tank.  Wait 15 minutes and try starting again. If this solved the problem, make sure the compressor is in well ventilated area. Check for air leaks in your system. Set the pressure on the Filter/Regulator to the minimum pressure required for your equipment
<b>Compressor runs but will not supply air</b>	Pressure on the Filter/Regulator not set properly  Air Intake Filter clogged or not installed  Air leaks	Reset Filter/Regulator to pressure required for your equipment.  Clean Air Intake Filter or replace it.  Check all the fittings, connectors and equipment for air leaks and repair. Close the pressure to your equipment by turning the knob on the Filter/Regulator all the way <b>counterclockwise</b> - if the tank holds the pressure, the leak is in your equipment, if the pressure on the Pressure Gauge at the Pressure Switch drops, the leak is somewhere on the compressor.
<b>Rattling noise during operation</b>	Compressor Motor inside touching housing	Surface under compressor not leveled. Check oil level of pump and adjust if it's Necessary.
<b>Milky oil in compressor</b>	Oil has been contaminated with moisture or other foreign matter	Change oil – oil needs to be replaced every 150 hours of use. Use only the special oil from Werther International.

<b>Air Tank not holding pressure when compressor is not running</b>	Check-Valve defective	Disconnect pressure hose at pump and check For leaking back into pump – clean or replace The Check-Valve. Spray all connections and manifold with soap solution, reseal connections or replace defective parts.
<b>No pressure shows up on the Pressure Gauge of the Filter/Regulator</b>	No equipment connected to compressor  Filter/Regulator has not been adjusted	Connect equipment.  Lift knob on the Filter/Regulator and turn it clockwise until the pressure on the Pressure Gauge shows the required pressure for your equipment (pressure should be set at the minimum pressure required).
<b>Compressor operates very hot</b>	Oil level is incorrect  Too small non ventilated Area  Undersized Model  Leaks in installation	Fill compressor pump with oil until mid level on the oil sight glass.  Install the compressor in a bigger area with better ventilation.  Duty cycle of compressor should not exceed 50 % - if pump is running for 1 minute, it should stay off at least 1 minute before restarting.  Check for air leaks in your installation. Check if the setting of the pressure on the Filter/Regulator corresponds to the minimum requirement of your equipment.

**If your PANTHER has a different symptom of a fault from the above troubleshooting chart-list, please contact a specialized technician.**



## **F. Limited Warranty**

The warranty is for the original purchaser. We will repair or replace, without charge, any part of a compressor we find to be defective in factory material or workmanship within **one year** of purchase. Warranty services are provided at our service facility located in Houston at the address shown below. You must pay all shipping and handling charges for your compressor. Any material that is shipped to Werther International Inc. without prior approval will not be accepted.

This warranty does not cover your compressor if the Serial Number or Model Number is removed or illegible. Or, if your compressor is (a) damaged in transport, by fire, corrosion, moisture or any occurrences beyond our control, (b) subjected to negligence or misuse, or (c) operated or maintained contrary to our instructions.

**We will not be liable for damage to persons or property, commercial loss or incidental or consequential damage due to a defective compressor.**

All implied warranties, including warranty of merchantability or fitness, are limited to the duration of this written warranty. However, some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitation may not apply to you.

If you wish to obtain warranty service or further information concerning this warranty, contact:

**Werther International Inc.**

8614 Veterans Memorial.

Houston, Texas 77088

Phone: (832) 327 - 9378    FAX: (832) 327 - 0669

*This warranty will be void unless the attached warranty registration card is completed and received by us within 30 days of the date of the original purchase.*

## Parts List PANTHER TC-Models

<b>B0420</b>	Nut M6 UNI 5588 ZB
<b>C0001</b>	Gasket Intake-Valve E59
<b>C0002</b>	Valve Plate cpl. E59
<b>C0003</b>	Gasket Exhaust-Valve E59
<b>C0004</b>	Clip for Terminal Bloc
<b>C0007</b>	Cover to Terminal Bloc E59 + E88
<b>C0008</b>	Overload Protector E59 230V
<b>C0009</b>	Relay Starting 230V E59
<b>C0011</b>	Filter Air-Intake
<b>C0013XX</b>	Pump Compressor E59 230V
<b>C0024</b>	Plug for Oilfill
<b>C0025</b>	Gasket Housing
<b>C0026</b>	Gauge Pressure M1/8"-side 10 Bar d=40mm
<b>C0030</b>	Closing Band E59 and E88
<b>C0034</b>	Strain Relief
<b>C0037</b>	Bolt M6x20mm UNI 5931
<b>C0047</b>	Fitting M5 d=6mm
<b>C0048</b>	Switch Pressure 4-P 230V MDR 2/11
<b>C0048-1</b>	Switch Pressure for P 15TC
<b>C0049</b>	Plug 1/4"
<b>C0051</b>	Hose Nylon 6/4mm
<b>C0052</b>	Gasket Intake-Valve E88
<b>C0053</b>	Valve Plate cpl. E88
<b>C0054</b>	Gasket Exhaust-Valve E88
<b>C0055</b>	Relay Starting 230V E88
<b>C0056</b>	Overload Protector 230V E88
<b>C0059</b>	Fitting Extension M1/4"-F1/4"
<b>C0065</b>	Fitting L Rotating M1/4"-6,3mm
<b>C0067</b>	Bolt TE M8x35mm UNI 5739
<b>C0068</b>	Power Cord 230V Euro-Plug
<b>C0077</b>	Fitting Swivel Connector M1/4"

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<b>C0080XX</b>	Pump Compressor 230V E88
<b>C0091</b>	Cable Electric 230V 500mm
<b>C0093</b>	Cover for Terminal Bloc T2134 A+AL
<b>C0100</b>	Washer 8,4x16x1,5mm UNI 6592 ZB
<b>C0102</b>	Cap Plastic Transparent
<b>C0105</b>	Bolt M8x30mm
<b>C0106</b>	Spacer T2134
<b>C0108</b>	Terminal Bloc
<b>C0109</b>	Bracket for Capacitor
<b>C0110</b>	Capacitor 230V 53-64 MFD T2134
<b>C0111</b>	Overload Protector 230V T2134
<b>C0112</b>	Relay Starting 230V T2134
<b>C0113</b>	Bolt for Bracket Capacitor
<b>C0114</b>	Nut M8 UNI 5589
<b>C0115</b>	Gasket Intake-Valve T2134
<b>C0116</b>	Valve Plate cpl. T2134
<b>C0117</b>	Gasket Exhaust-Valve
<b>C0120</b>	Washer flat d=8-24mm UNI 6593
<b>C0126</b>	Rubber Grommet
<b>C0134</b>	Cable Electric 230V 500mm
<b>C0147</b>	Rubber Foot
<b>C0148</b>	Plug for Frame
<b>C0149XX</b>	Frame / Chassis Tubular
<b>C0154</b>	Washer Alum. D=6mm, 2x10mm
<b>C0171</b>	Kit for Grounding
<b>C0180</b>	Power Cord 115V Am.-Plug 2000mm
<b>C0202</b>	Valve Head-Pressure Release
<b>C0214</b>	Kit Terminal Bloc E88 230V
<b>C0215</b>	Kit Terminal Bloc E88 115V
<b>C0216</b>	Overload Protector 115V E88
<b>C0218XX</b>	Pump Compressor 115V E88

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<b>C0222XX</b>	Pump Compressor 230V T2134
<b>C0246</b>	Overload Protector 230V
<b>C0250</b>	Pump Compressor 115V E59
<b>C0302</b>	Head Cover with Cooling Ribs
<b>C0303</b>	O-Ring 4675
<b>C0304</b>	Nut M6 Special
<b>C0305</b>	Kit Terminal-Bloc T2134 230V
<b>C0306</b>	Kit for Spring-Clamp
<b>C0308</b>	Kit Motor-Parts cpl. T2134 230V w/o Housing
<b>C0309</b>	Bolt for Cover
<b>C0310</b>	Pressure-Pipe
<b>C0311</b>	Gasket Pressure-Pipe
<b>C0312</b>	Bolt for Top-Bearing
<b>C0313</b>	Bearing Top
<b>C0314</b>	Spring for Suspension
<b>C0315</b>	Cover
<b>C0316</b>	Gasket for Cover
<b>C0317</b>	Overload Protector 115V T2134
<b>C0319</b>	Bolt for Cylinder-Head
<b>C0320</b>	Bolt to mount Stator T2134
<b>C0321</b>	Stator 230V T2134
<b>C0322</b>	Kit Motor-Parts cpl. 230V T2134 without Housing
<b>C0323</b>	Valve Intake T2134
<b>C0324</b>	Valve Exhaust T2134
<b>C0325</b>	Relay Starting 115V T2134
<b>C0329</b>	Fitting M-M-F-F1/4" cross
<b>C0331</b>	Kit Motor-Parts cpl. 115V T2134 without Housing
<b>C0332</b>	Stator 115V T2134
<b>C0333</b>	Kit Terminal Bloc 115V T2134
<b>C0334</b>	Fitting L M1/8"-F1/8"

## Parts List PANTHER TC-Models

<b>C0335</b>	Hose Air F1/8"-F1/8" 140mm
<b>C0338</b>	Capacitor 115V T2134
<b>C0339</b>	Tube Nylon 8/6mm
<b>C0340</b>	Switch Press. 4-P 115V MDR 21-EA/11 UL-Approved
<b>C0346</b>	Fitting Reduction F1/4"-M1/8"
<b>C0349</b>	Spring for Overload
<b>C0351</b>	Valve Check M1/4"-M1/8"
<b>C0352</b>	Fitting T M-F-F1/8"
<b>C0353</b>	Valve Inline M1/4"-F1/4"
<b>C0354</b>	Drain-Cock tanktop
<b>C0356</b>	Tube Plastic 6/4mm blue
<b>C0358</b>	Oil-Level Indicator ½" Metal Frame
<b>C0364</b>	Bolt and Nut for Closing Band
<b>C0365</b>	Kit Terminal Bloc E59 230V
<b>C0373</b>	Relay Starting 115V E59
<b>C0374</b>	Overload Protector 115V E59
<b>C0375</b>	Kit Terminal Bloc 115V E59
<b>C0392</b>	Plug M1/8"
<b>C0416</b>	Cable Electric 115V 600mm
<b>C0458XX</b>	Pump Compressor 115V T2134 A+AL
<b>C0481XX</b>	Head Cover with Cooling Ribs
<b>C0509</b>	Fitting L M1/4"-F1/4"
<b>C0523</b>	Kit Plug 1"
<b>C1109XX</b>	Tank 3,5lt. d=130mm
<b>C1205</b>	O-Ring 4700
<b>C1235</b>	Kit Valve Plate T2134 cpl. with Gaskets
<b>C1236</b>	Kit Valve Plate E88 cpl. with Gaskets
<b>C1237</b>	Kit Valve Plate E59 cpl. with Gaskets
<b>C1393</b>	Valve Safety M1/4" 10 Bar
<b>C1478</b>	Filter Regulator EAW 111
<b>R0153</b>	Bolt M8x25mm UNI 5739

# EXPLODED VIEW

