

## **INSTRUCTION MANUAL FOR COMPRESSORS EUROTEC 20A / 30A / 50A**

### **1) GENERAL INFORMATION**

- ◆ Compressor to be used only in dry atmosphere protected against moisture and water.
- ◆ In case flammable products are sprayed using compressed air from your compressor : ensure proper ventilation of the workingarea.
- ◆ Do NOT alter safety valve- or pressure regulatorsettings to avoid dangerous workingconditions.
- ◆ In case of abnormal noise, overheating or fumes : pull mains out immediately.
- ◆ Repairs : should be done by qualified personnel only or contact Ideefiks vzw
- ◆ Prior to repair or maintenance : depressurise the compressor and disconnect from mains.
- ◆ This compressor is suited for 230 V and 50 Hz. ( not for use in USA ) and should be connected to an earthed electrical outlet.

### **2) TRANSPORT**

#### **New compressor picked-up at Ideefiks vzw – Obeeliks E-Shop :**

- ◆ The compressor is filled with the right amount of oil
- ◆ The combined oil/airinlet on the compressorhousing is closed by means of a black rubber stopper.
- ◆ The air-inletfilter is packed in a plastic bag and attached to the oil/airinlet ( backside of compressorhousing )
- ◆ Compressormotorblock is blocked for transport with cardboard strips between motor and casing ( Eurotec 20A en 30A )
- ◆ In this described condition the compressor can be transported in a safe way.

#### **New compressor shipped to you by Ideefiks vzw – Obeeliks E-Shop :**

- ◆ The compressor is NOT filled with oil. Oil is contained in the package.

- ◆ The combined oil/airinlet on the compressorhousing is closed by means of a black rubber stopper.
- ◆ The air-inletfilter is packed in a plastic bag and attached to the oil/airinlet ( backside of compressorhousing )
- ◆ Compressormotorblock is blocked for transport with cardboard strips between motor and casing ( Eurotec 20A en 30A )
- ◆ The compressed air outletconnectors on the pressureregulator are dismounted / unscrewed and packed separately. ( Eurotec 20A and 30A ).
- ◆ In this described condition the compressor can be transported or shipped in a safe way.

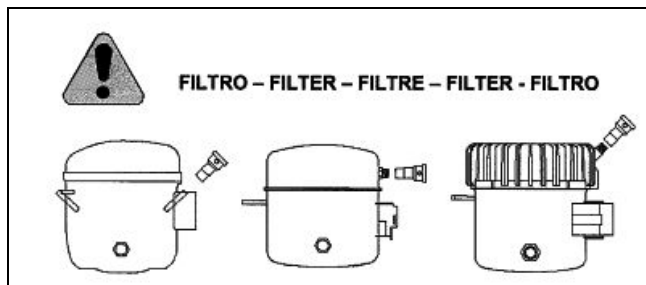
#### **Transport of your compressor :**

- ◆ Remove the air-inletfilter
- ◆ Close off the combined oil/airinlet on the compressormotorblock with the black rubber stopper ; this will avoid any spill of oil.
- ◆ Keep the compressor in an upright position.
- ◆ In this described condition the compressor can be transported in a safe way.
- ◆ For extra safety the motorblock can be blocked by means of cardboard strips to be placed between motor and housing.

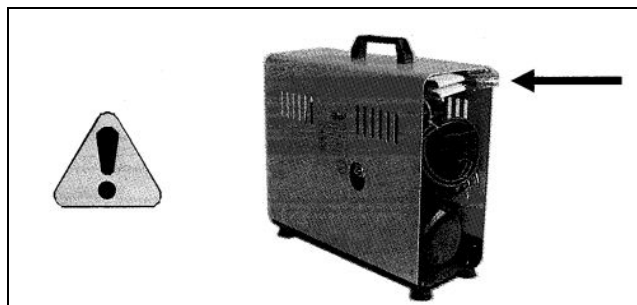
### 3) FIRST START-UP

#### New compressor picked-up at Ideefiks vzw – Obeeliks E-Shop :

- ◆ Replace the black rubber stopper on the combined oil / airinlet on the compressormotorblock by the air-inletfilter.



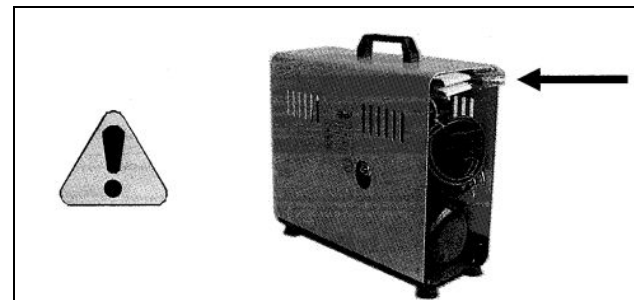
- ◆ Remove cardboard between motorblock and housing.



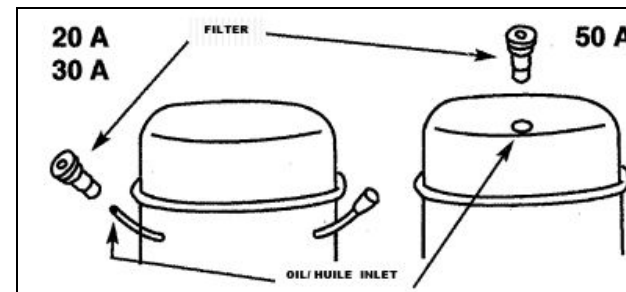
- ◆ Check oillevel in sidemounted sightglass ( level should be somewhat above red mark )
- ◆ The compressor can be started now ( see section START / CONTROL of COMPRESSOR )

#### New compressor shipped to you by Ideefiks vzw – Obeeliks E-Shop :

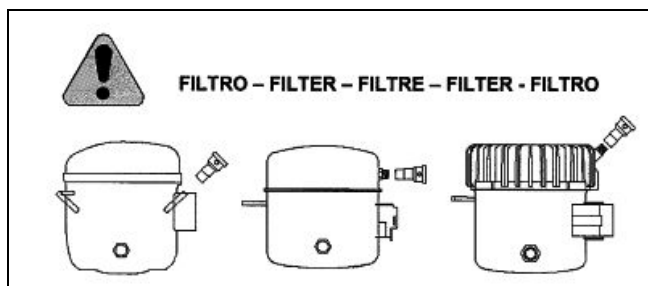
- ◆ Remove cardboard between motorblock and housing.



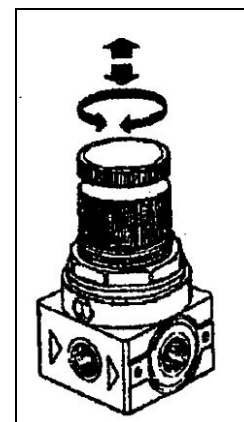
- ◆ Remove the black rubber stopper on the combined oil / airinlet on the compressormotorblock
- ◆ Fill-up the compressor with the compressoroil using the supplied funnel that can be screwed onto the oilbottle. Please empty the whole content of the bottle into the compressorcarter ; as a result the oillevel will show up somewhat above the red halfway mark on the sidemounted sightglass.



- ◆ Place the airfilter on the oil/airinlettube with a turning movement. Press lightly.

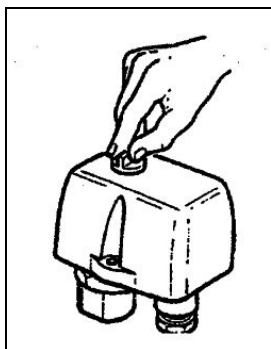


- ◆ Screw the quick connector(s) into the pressureregulator-outlet
- ◆ The compressor can be started now ( see section START / CONTROL OF COMPRESSOR )



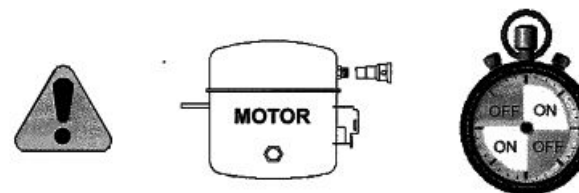
#### 4) START / CONTROL OF COMPRESSOR / STOP

- ◆ Start the compressor by moving the switch located on the black pressureswitchbox to position I



- ◆ De compressormotor starts up and will build up pressure. On EUROTEC 30A and 50A the pressure in the airtank can be monitored on the manometer next to the black pressureswitchbox.
- ◆ The pressure in the tank will build up till 6 bar ( 20A ) resp 8 bar ( 30A en 50A ) followed by an automatic stop of the motor.
- ◆ Whenever the pressure drops below 6 bar ( 30A, 50A ) resp 4 bar (20A ) the compressor will start automatically and will run till the max pressure is reached again.
- ◆ Airoutletpressure can be regulated with the manual pressureregulator located in the front of the compressor.

- ◆ Pull the notched knob of the pressureregulator upward.
- ◆ Turning it clockwise will INCREASE the outletpressure, counterclockwise will DECREASE the pressure
- ◆ Control the pressure – for airbrushuse – to 2 – 2.2 bar.
- ◆ Plug the airbrush airhose in the quick couplingconnector of the pressureregulator and depress the airbrushtrigger to spray some air. Control the compressoroutletpressure again and adjust – if necessary - to 2 – 2.2 bar. Press the notched knob downward ( clicks ) to lock this setting.
- ◆ The compressormotor can run – in normal use - for MAX 15 minutes. Respect this in order not to overheat the motor ; adapt air-usage if necessary in order to allow a regular automatic start/stop ( and cooling-off ) of the motor. With cycli of 15 minutes ON and 15 minutes OFF it is possible to work on a continuous basis.



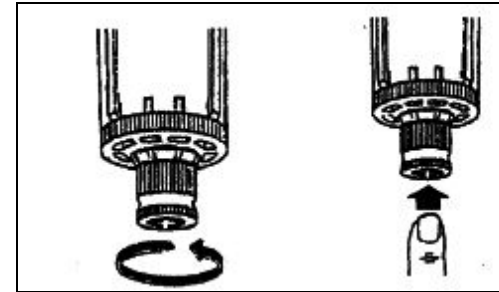
**MAX 15 min ON / 15 min OFF**

- ◆ How to stop the compressor :
  - Stop the compressor by moving the switch located on the black pressureswitchbox to position 0
  - Depressurise the compressor using your airhose or airbrush till the pressure has dropped to 0.

## 5) MAINTENANCE

- ◆ The compressor is protected in the following way :
  - against overheating : automatic switch-off of the motor : in this event pull out the mainsplugs and allow the motor to cool down for +- 1 hour. Remove cause of overheating before retrying to start-up the compressor. Possible causes of overheating : blocked air-inletfilter ( dirty ) , too high air-usage exceeding the 15 minutes allowable runtime of the motor.
  - against overpressure : safetyvalve on airtank will blow if required. Caused by : defective pressureswitch, deregulation of pressureswitch causing the compressor to build up pressure higher than 6 resp 8 bar.
- ◆ Air inletfilter : inletopening ( in side of filter ) should show a BLUE colour. Whenever it turns black by dustaccumulation it is time to clean the filtermaterial contained inside the filter with warm soapy water. Replace after drying.
- ◆ Oil : requires no maintenance. Regular control of oillevel is necessary. Normally this level will never drop below its initial value. Only when compressor has been overheated some oil may have been entrained by the compressed air and will end up in the airtank. ( see next point ). All oil can be drained from the motorblock by unscrewing the sightglass.
- ◆ Monthly drainage of the airtank is necessary : drain the airtank by unscrewing the brass drainvalve on the front bottomside of the airtank. It is advisable to do this when the pressure on the tank is moderate to low ( otherwise the drained liquid will spill / spurt around ) The drained liquid is condensed water ( out of the compressed air ) and can have a slightly rusty colour. When oil is detected on the surface of the drained water it means that the compressor has been overheated for some time and future airusage should be lowered.
- ◆ Drainage of manual pressureregulator : only necessary when waterdroplets are visible in the transparant plastic bowl. Drain the bowl at moderate pressure by turning the notched knob on the

bottom of the bowl ¼ turn counterclockwise and press slightly up as shown in the figure.



- ◆ Should any oil end up in the transparant plastic bowl of the pressureregulator the YELLOW filterelement has to be replaced. Counterclock turn the bowl and pull it out of the pressureregulator to access the yellow filterelement. This should be done with NO pressure on the compressor and the pressureregulator !



## 6) SPARE PARTS

- ♦ All EUROTEC parts and oil are available from [www.obeeliks.com](http://www.obeeliks.com)

## 7) WARRANTY

- ♦ 2 years starting on date of purchase.

♦ Date of purchase :

Ideefiks vzw – Obeeliks E-Shop  
Tolstraat 73  
2000 Antwerpen  
Belgium

Harder&Steenbeck products and parts : [www.obeeliks.com](http://www.obeeliks.com)

Translation and adaptation : J.Lermytte Ideefiks vzw 21.09.2005

### EURO-TEC 20 A

- Extremely quiet!  
Suitable for Airbrushes up to nozzle size 0.6!
- Switches itself off automatically! With pressure reservoir for pulsation-free air!



⚡	Volt/H z	224 - 240 / 50
	Volt/HZ	110 / 60
🌀	Lt/min	17
	C.F.M	1.5
🔋	Lt.	1.5
	Gal.	0.4
🔌	Watt	135
	Watts	159
🕒	Bar	6
	Psi	85
👤	Kg	14
	Lbs	30.8
📦	Kg	17
	Lbs	37.4
📏	A	200 mm 7.87 inch
	B	460 mm 18.11 inch
	C	310 mm 12.20 inch

### EURO-TEC 30 A

- The compressor for the PROFESSIONAL!  
Suitable for two airbrushes!



⚡	Volt/H z	224 - 240 / 50
	Volt/HZ	110 / 60
🌀	Lt/min	30
	C.F.M	1.80
🔋	Lt.	4
	Gal.	1.05
🔌	Watt	200
	Watts	239
🕒	Bar	8
	Psi	114
👤	Kg	18
	Lbs	39.60
📦	Kg	19
	Lbs	41.90
📏	A	270 mm 10.62 inch
	B	500 mm 19.68 inch
	C	480 mm 18.89 inch

### EURO-TEC 50 A

- The jumbo compressor for use with airbrushes up to nozzle size 1.2 (COLANI). It is especially suitable for training purposes!



⚡	Volt/H z	224 - 240 / 50
	Volt/HZ	110 / 60
🌀	Lt/min	50
	C.F.M	2.15
🔋	Lt.	24
	Gal.	6.34
🔌	Watt	340
	Watts	400
🕒	Bar	8
	Psi	114
👤	Kg	28
	Lbs	61.60
📦	Kg	30.50
	Lbs	67.10
📏	A	420 mm 16.53 inch
	B	420 mm 16.53 inch
	C	640 mm 25.19 inch