



VELOPEX[®]

Light Industrial Compressor

Zephyr
C O M P R E S S O R



INSTRUCTIONS FOR USE

Operation and Maintenance manual

WARNING:

Do not plug into the electrical mains power supply before reading this manual.



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External Overview



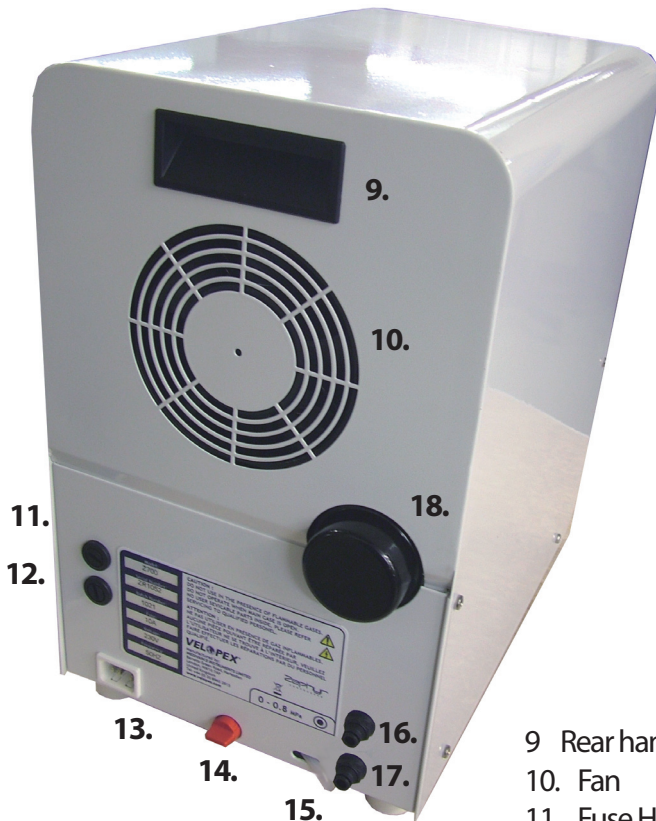
7.



8.









1. Handle
2. Pressure gauge
3. Pressure regulator knob
4. On/Off switch
5. Outer screws
6. Outer casing
7. IEC cable
8. Instructions for use



- 9 Rear handle
- 10. Fan
- 11. Fuse Holder
- 12. Fuse Holder
- 13. Power socket
- 14. Air receiver tap
- 15. Air receiver drain
- 16. Air Output 1
- 17. Air output 2 (if present)
- 18. Air Filter

Table of Symbols

Symbol	Description
	Alternating Current
	Off
	On
	Attention / Warning - Refer to Manual
	Attention / Warning - High Voltage
	Refer to Instruction Manual

Specification

MODEL: ZW500

AIR OUTPUT 1	Pressurised air between 0 - 0.85Mpa
SOCKET	6mm push fit

MODEL: ZW700

AIR OUTPUT 1	Pressurised air between 0 - 0.85Mpa
AIR OUTPUT 2	Pressurised air set to 0.85Mpa
SOCKET	6mm push fit

INPUT: I/COM 0005M

Electricity Supply	230V ($\pm 10V$), 50Hz
Power Input	550W
Current	4A
Noise	< 60dB
Free Air Flow (approx)	40L/min
Fuse required	T10AH230V

INPUT: I/COM 0004M

Electricity Supply	115V ($\pm 10V$), 60Hz
Power Input	550W
Current	8A
Noise	< 60dB
Free Air Flow (approx)	60L/min
Fuse required	T10AH115V

ENVIRONMENTAL CONDITIONS

Location	Indoor Use Only
Altitude	Up to 2000m
Temperature	5°C - 35°C
Max. Relative Humidity	80% for temperatures upto 31 °C Decreasing linearly to 50% relative humidity 40 °C
Main Voltage Fluctuations	$\pm 10\%$
Polution Degree	2
Transient overvoltage typically present on the mains supply (impulse withstand (overvoltage) category II of IEC 60364-4-443.)	

Ingress Protection Rating	IP20
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Pre Installation Information

- 1) **Maximum advisable duty cycle is 50%**
- 2) **The Zephyr compressor weighs approximately 21.5Kg. Care should be taken when lifting.**
- 3) **If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired**

WARNINGS

Input pressure should be at normal atmospheric pressure

The Zephyr compressor must not to be used within an explosive atmosphere.

Do not use in the presence of flammable or anaesthetic gases.

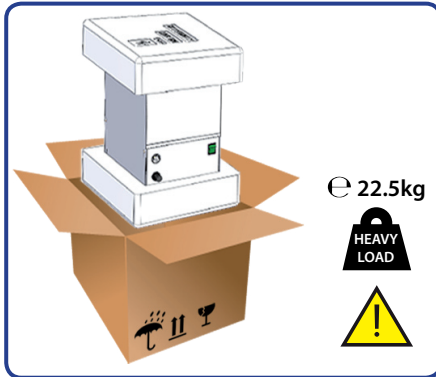
Do not operate when main case is open.

No user serviceable parts inside, refer servicing to qualified personnel

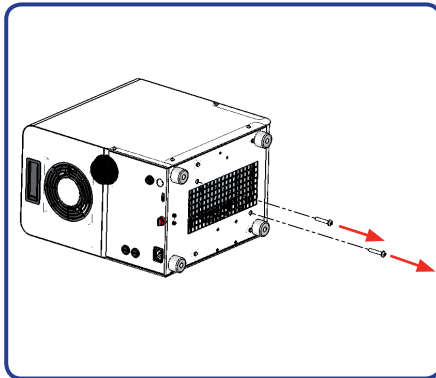
This product must be earthed



Installation & Operation Instructions



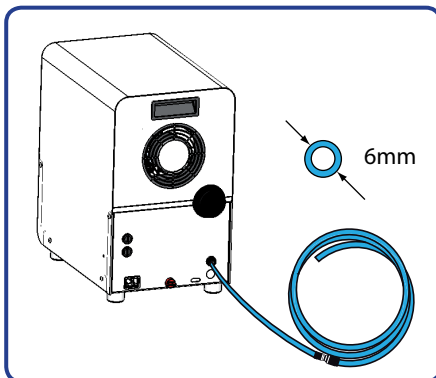
1. After taking your Zephyr compressor out of its packaging, check for any damage due to shipping.



2. Remove transit bolts located on the underside of the Zephyr Compressor before use. Keep these two fixings for future use.

Replace transit bolts when transporting the Zephyr Compressor in a moving vehicle

The Zephyr Compressor must be installed on a level surface. Allowing the user to access the disconnect device enabling them to disconnect the unit when necessary.



WARNING: It is important to position the unit away from any source of water spray as well as any obstructions to the cooling fan or the air intake filter.

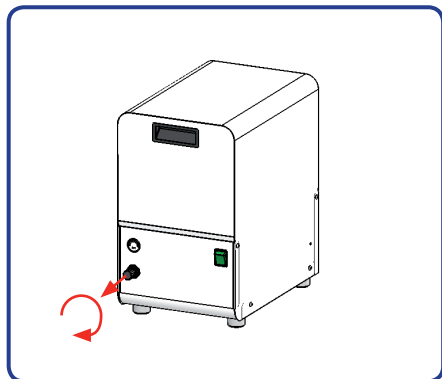
- 3.

The output, located at the rear of the Zephyr Compressor, can accept a 6mm O/D tube. To which the equipment using the compressed air can be attached.

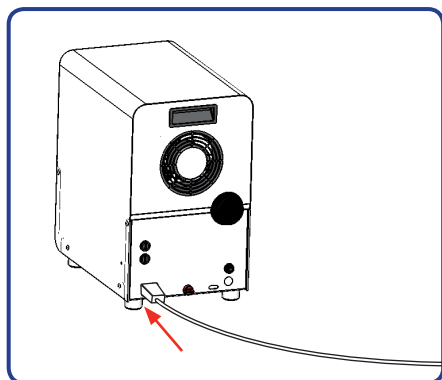
OUTPUT 1 : 0-0.85Mpa

OUTPUT 2 : 0.85Mpa (if present)

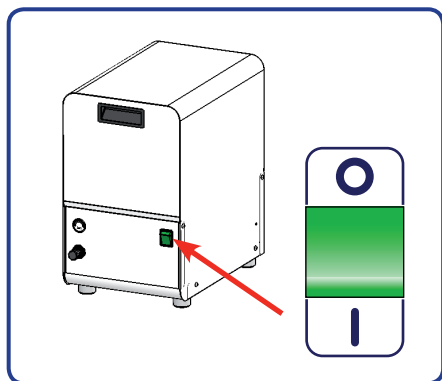
Installation & Operation Instructions (cont.)



- 4.** The regulator, located at the front of the machine, can control the output pressure between 0-0.85Mpa (0-8.5bar)

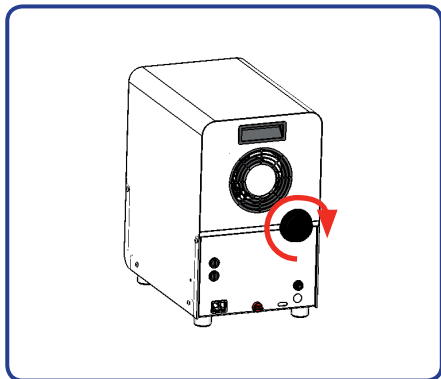


- 5.** Connect the Zephyr Compressor to the mains supply with IEC cable supplied with the unit. The Zephyr compressor is fitted with a standard IEC (c14) socket. The IEC lead is intended to be the "Appliance coupler" and should be used to disconnect device from the mains.

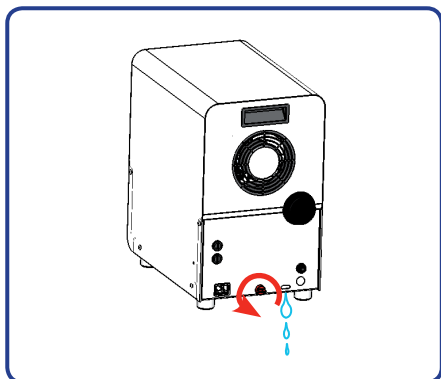


- 6.** Use the green switch on the front of the Zephyr Compressor to turn the machine on and off.

Maintenance



1. The air intake filter should be checked every six months and cleaned or replaced if required.



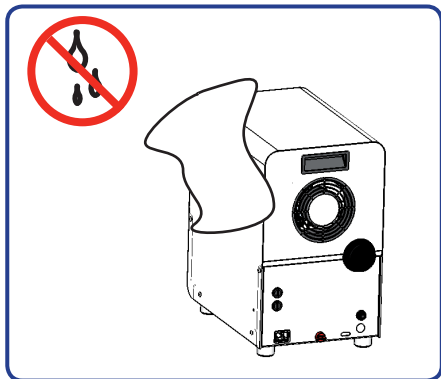
2. The compressor drain should be regularly checked to ensure there is not a build up of liquid within the air receiver.

Disconnect the machine from the mains supply

Open the drain tap allowing any water to flow out of the unit.



TIP: Have an absorbent material on hand to collect any water that may have collected.



3. If the unit requires cleaning: wipe clean with a dry cloth.



- 4.** 1) For any kind of repair or replacement only use 'Velopex' spare parts! Spares are available at authorized service centres. Imitation spares may irreparably damage your Zephyr compressor and void any warranty claims. When asking for information or service, please quote the Model, Type and Serial Number of your Zephyr compressor.

**ETL LISTED/ENREGISTRÉ ETL
CONFORMS TO/CONFORME À
UL 61010-1**

**THIS PRODUCT HAS BEEN TESTED
TO THE REQUIREMENTS OF
CAN/CSA-C22.2 No. 61010-1
SECOND EDITION INCLUDING AMENDMENT 1
OR A LATER VERSION OF THE SAME STANDARD
INCORPORATING THE SAME LEVEL OF TESTING
REQUIREMENTS. C No. 113778
ETL Testing Laboratories**

