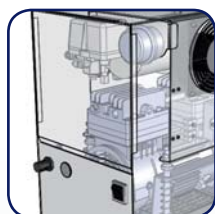


**VELOPEX<sup>®</sup>**

# Zephyr

150  
C O M P R E S S O R



I/LIT0060P Zephyr User  
Manual English Iss.1  
Issued 15/06/09



## USER MANUAL



1. Front handle
2. Pressure gauge
3. Pressure regulator control knob
4. On/Off switch
5. Outer screws
6. Outer casing



- 7. Rear Handle
- 8. Fan
- 9. Fuse holder
- 10. Fuse holder
- 11. Power socket
- 12. Air output 1
- 13. Air output 2



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	Page
Intended use	6
Description of outputs	6
Identification of symbols	6
Environmental conditions	7
Installation instruciton	7
Technical saftey	8
Notes	10



## Intended use of the equipment:

The Velopex Zephyr has been designed to operate as a light industrial compressor, to take in air at atmospheric pressure and provide two pressurized outputs.

## Description of Outputs:

### Air Output 1: 0-1 MPa (0-10 Bar)

The pressure on Air Output 1 is adjusted via the regulator on the front of the compressor above this a gauge indicating pressure at Air Output1.

### Air Output 2: .75 MPa (7.5 Bar)

The pressure on Air Output 2 is fixed.

## Identification of symbols used upon compressor



- 1) The "exclamation point" calls attention to features from which you should read the enclosed literature closely to prevent operating and maintenance problems. In this case: The outer cover of the compressor should only be removed by qualified personnel after equipment must be disconnected from the mains.



- 2) When plugged into the mains & turned on the unit may start at anytime without warning.

### I/COM 0005M:

AC Input	110V
Frequency	60Hz
Power	870W
Fuses	10A Slow blow (T)
Mass	22.5Kg
Air flow	152 L/min
Noise	< 60 dB

### I/COM 0004M:

AC Input	220V
Frequency	50Hz
Power	870W
Fuses	10A Slow blow (T)
Mass	22.5Kg
Air flow	152 L/min
Noise	< 60 dB

## Range of environmental conditions:

- a) Only for indoor use
- b) For use up to altitudes of 2000m
- c) Use between temperatures of 5-35°C
- d) Maximum humidity: 80% humidity between 5°-30°C, 50% humidity between 30°-35°C.

## Installation:

- 1) After taking your Velopex Zephyr out of its packaging, please check it carefully for any damages due to shipping.
- 2) Install the compressor horizontally & upright on a flat surface in a suitably sized, dry room with good ventilation, where the temperature is not likely to rise above 30° Centigrade. Do not obstruct the air vents and allow easy access to the compressor controls.
- 3) Prior to use it is important to unscrew both transit bolts from the underside of the compressor. (Keep them safe for use in the event of future transit)  
Before transporting the compressor it is important to clamp down the internal carriage using the transit bolts: Whilst keeping the compressor vertical, insert the bolts up into the correct holes. Locate the internal nut and carefully screw the first bolt in a short way. Do this with both transit bolts before screwing both down tight.
- 4) By adjusting the pressure regulator at the front of the machine the pressure on Air Output 1 can be regulated between 0 & 1 MPa.
- 5) Switching On – Ensure the machine is correctly installed, check the outputs which are used are attached correctly and use the switch to operate the compressor. (Refer to Page 2/3)  
Switching Off – Ensure all machines using the compressed air supplied via the compressor are switched off and vented of air. Then shut the compressor down using the main switch.
- 6) To disconnect and isolate the compressor from the mains follow the instructions for switching off within step 5 and then pull the IEC power cord out of its socket. (Refer to Page 3)
- 7) 240V model: 10A (T) slow blow fuses I/COM 0005M  
110V model: 10A (T) slow blow fuses I/COM 0004M

Follow step 6 to switch off and disconnect the compressor from the mains supply. Then using a tool, unscrew the fuse holder and pull forwards. Replace the fuse, reinsert and tighten the fuse & fuse holder in place.

## Technical instruction for safety:

- 1) Do not use the Velopex Zephyr for purposes other than those for which they have been designed.
- 2) To reduce the risk of electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel. Also do not modify or repair the compressor while it is connected to the electric current or while the tank is still pressurized.
- 3) For any kind of repair or replacement only use 'Medivance Instruments' spare parts! They are available at every authorized service centre. Imitation spares may irreparably damage your compressor and void any warranty claims. When asking for information or service, please quote the Model, Type and Serial-Number of your compressor.
- 4) Remove transit bolts located on the underside of the compressor before use.
- 5) Input pressure should be at normal atmospheric pressure
- 6) The Velopex Zephyr must not be used within an explosive atmosphere.
- 7) Do not use in the presence of flammable or anaesthetic gases.
- 8) Cleaning: Disconnect compressor from power and wipe outer case with a damp cloth.
- 9) Maximum advisable duty cycle is 50%
- 10) The male air input connections required to connect a machine to Air Output 1 & 2 can be purchased from Medivance Instruments Ltd. No other connector should be used or inserted into the compressors output sockets!
- 11) Only trained operators should use this Velopex Zephyr.
- 12) The Velopex Zephyr weighs approx 22.5Kg. Care should be taken when lifting. If necessary organise a two person lift.







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