

SERIES BAC1000 AND 2000 BREATHING AIR COMPRESSORS



INSTRUCTIONS FOR USE

Unit 4, Sragh Business Park,
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BREATHE SAFETY 1000 AND 2000 SERIES PORTABLE BREATHING AIR COMPRESSORS

INSTRUCTIONS FOR USE

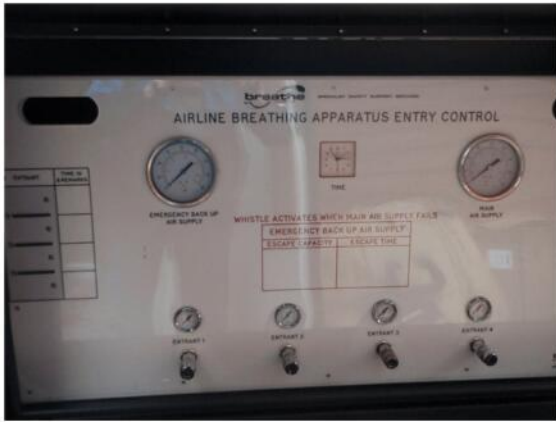
USE AND LIMITATIONS OF EQUIPMENT

The 1000 series breathing air compressor is a road towable diesel driven compressor with suitable for feeding 4 users with breathable air (8 users if 2000 series) PROVIDING the correct respiratory equipment is used. It is fitted with over speed valve on the intake and spark arrestor on the exhaust. It is important that any user of this equipment has undergone suitable training in it's use and care. Only compatible breathing apparatus may be used with the compressor. Please note: The air quality provided can not be fully assured unless an on site air quality test is conducted.



CONTROL BOX

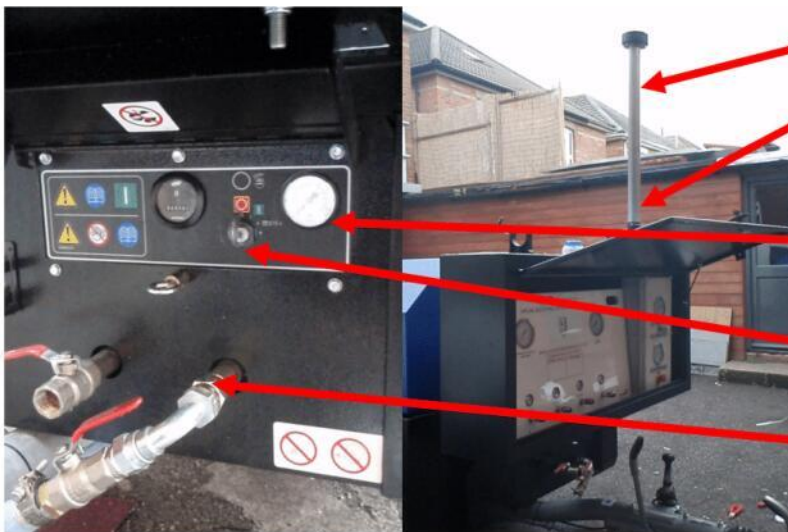
- EMERGENCY BACK UP HIGH PRESSURE CONTENTS GAUGE
- EMERGENCY BACK UP ON / OFF VALVE
- MAIN AIR SUPPLY PRESSURE GAUGE



CONTROL BOARD –
 4 OUTLETS ,
 4 ENTRY CONTROL TALLIES.
 MAIN AIR SUPPLY GAUGE, BACK UP EMERGENCY AIR
 GAUGE.
 SURFACE IS SUITABLE FOR WRITING ON WITH
 CHINAGRAPH PENCIL



BACKUP EMERGENCY SUPPLY CYLINDERS LOCATED
 AT THE SIDES OF MAIN COMPRESSOR HOUSING



AIR INTAKE
 CONTROL PANEL STOWAGE BOX,
 KEY START AND COMPRESSOR
 PRESSURE AND RUNNING HOURS
 COUNTER.
 PRESSURE BOOST BUTTON.(on
 older compressors only)
 2 AIR TOOL OUTLETS

START UP PROCEEDURE

1. Lift the main compressor housing cover and ensure there is enough fuel in the fuel tank.
2. Lift the control box cover and ensure the airlines are attached to the control board from the control box as below:
 - a. EN139 breathing air hose with quick connections.
 - b. red sensing hose for back up supply
 - c. black sensing hose for main air supply
(These hoses are normally together.)
3. Turn on all the high pressure cylinders which supply the emergency air fully, and close the compressor housing cover.
4. Raise and position the air intake funnel from the travel position to vertical.
5. Cold start turn ignition key to position 1 and allow 30 sec to heat then to position 2 to start, repeat procedure if it fails first time . Normal start turns Ignition key and start.
6. If the compressor has a boot button press this after approximately 2-3 minutes (this is only fitted on older compressors pre-2005 date of manufacture)
7. Turn on the emergency backup supply valve , on the control box by opening anti-clockwise. Ensure that the high pressure air contents is adequate on the control box(160 bar minimum)
8. Ensure the gauges are reading on the control panel
9. The control panel may now be located conveniently next to the entrance of the breathing apparatus zone and entry control tallies used to monitor entrants.
10. Attach airlines and breathing apparatus –the equipment may now be used.
- 11) Always close the main canopy on compressor when in use to ensure adequate cooling of engine while in use!

USING THE COMPRESSOR

1. If the above start up procedure has been followed in the unlikely event of a main compressor air supply failure, the emergency air supply will automatically activate providing air with which users can escape from the hazardous area to safety.
2. At the same time as the emergency air activates an audible and visual alarm will be issued from the beacon. (a whistle will also activate on the control panel.)

SWITCHING OFF THE COMPRESSOR

1. Ensure all users have been withdrawn and are not using the breathing apparatus supplied by the compressor.
2. Turn off the emergency back up supply on the control box.
3. Turn off the compressor at the ignition.
4. Replace the control panel and airlines in the storage box.
5. Bleed air in the system off using breathing apparatus or other suitable device.
6. Fold down the air intake funnel to the travel position.
7. Close control box door.

AFTER USE

1. Ensure the compressor is bled down of any air in the system – especially before restarting again.

WARNING!

- *USE ONLY BY TRAINED AND COMPETANT PERSONNEL.
- *ENSURE YOU HAVE A VALID AIR QUALITY CERTIFICATE BEFORE USE.
- *AIR QUALITY CAN ONLY BE GUARANTEED WHERE AN ON SITE TEST IS CONDUCTED.
- *ENSURE YOU HAVE RELEVANT TRAINING FOR THE BREATHING APPARATUS USED.
- *REMEMBER THAT THE ALARM WILL ONLY ACTIVATE WHEN THE IGNITION IS ON.

Oil Data

<i>Area of Usage</i>	<i>Oil Data</i>	<i>Available From</i>
Engine Oil	15/40 Multi Grade Diesel Engine Oil	Most automotive dealers
Compressor Oil	Petro-Canada Purity Food Grade Compressor Fluid 32	Breathe Safety Ltd

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