



Compressed Air & Gas Treatment On-Site Gas Generation Process Cooling

The background of the lower half of the page is a complex, abstract blue design. It features a grid of wireframe cubes and rectangles, some of which are filled with a solid blue color. The nano logo is repeated several times in a lighter blue color, integrated into the geometric pattern. The overall effect is a sense of depth and technological sophistication.

B¹ BAC 050 to 100
Parts Guide



PORTABLE BREATHING AIR CASES

BAC 050 to BAC 100

B¹

Service Intervals for B¹ BAC

Daily Checks

- Check the breathing air case for any signs of damage.
- Remove any loose dust or dirt from the unit, clean all surfaces that appear to have attracted unwanted contaminants.
- Ensure the breathing air case is operating within the specification.
- Always check all connections for any leaks.
- Ensure all loose parts are removed or secured to the unit before operation.
- Replace 9 volts battery when the amber “Low Battery” light illuminates.

Periodically

- Clean the filter housings.
- Remove the auto drains and clean in a mild soapy solution.
- Clean the filter bowl with mild soapy solution.
- Dry and reinstall.

Service Intervals

Service	Operation
Monthly	Calibrate the CO or CO & O ₂ monitor
1000 hours	Replace activated carbon filter element
8000 hours or 12 months	Replace M01 filter element
	Replace float drains in M01 filter housing and WS water separator
	Test pressure relief valve if equipped
	Ensure pre-treatment system is maintained accordingly
3 years	Replace pressure relief valve if equipped



Monthly Service Details

Calibrate the CO or CO & O₂ monitor

To calibrate the CO or CO & CO₂ monitor, please follow procedure in the user guide. You will require calibration gases to perform the procedure.

Calibration kits*

US calibration kit, includes 17 liters cylinder of 20 ppm CO, 17 liters Zero Air, regulator, tubing and hard case	CO Cal KIT20-17L
US large calibration kit, includes 103 liters cylinder of 20 ppm CO, 103 liters Zero Air, regulator, tubing and hard case	CO Cal KIT20-103L
Canadian calibration kit, includes 17 liters cylinder of 10 ppm CO, 17 liters Zero Air, regulator and hard case	CO Cal KIT10-17L
Canadian large calibration kit, includes 103 liters cylinder of 10 ppm CO, 103 liters Zero Air, regulator, tubing and hard case	CO Cal KIT-103L

*No kits include bottles for the O₂ sensor calibration. Sold separately. Zero Air can replace O₂ calibration gas.

Replacement bottles

Zero Air, 17 liters calibration gas	BBG-00017
Zero Air, 103 liters calibration gas	BBG-00103
20 ppm CO (US), 17 liters calibration gas	BBG-20017
20 ppm CO (US), 103 liters calibration gas	BBG-20103
10 ppm CO (CAN), 17 liters calibration gas	BBG-10017
10 ppm CO (CAN), 103 liters calibration gas	BBG-00103
O ₂ , 17 liters calibration gas*	

*Note that Zero Air can replace O₂ calibration gas.

1000 Hours Service Details

Replace activated carbon filter element

Identify what filter housings are equipped on the BAC. The information is available on the filter housing nameplate.

On NF style filter packages:	
BAC 050	E 0050 AC
BAC 100	E 0135 AC
On GFN or GF style filter packages:	
BAC 050	GE 0050 AC
BAC 100	GE 0175 AC

8000 Hours or 12 Months Service Details

Replace filter element and drains

Identify what filter housings are equipped on the BAC. The information is available on the filter housing nameplate.

On NF style filter packages:

BAC 050	E 0050 M01
BAC 100	E 0135 M01
BAC 050 Drains	Qty 2, NDK 0050
BAC 100 Drains	Qty 2, NDK 1500

On GFN or GF style filter packages:

BAC 050	GE 0050 M01
BAC 100	GE 0175 M01
BAC 050 Drains	Qty 2, GFDK 0050
BAC 100 Drains	Qty 2, GFDK 1500

3 Year Service Details

Replace pressure relief valve if equipped

Pressure relief valve	VR4125BR
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PORTABLE BREATHING AIR CASES

BAC 050 to BAC 100

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Kit Details and Individual Parts

Filter Elements For NF Housing	
E 0050 M01	BAC 050
E 0135 M01	BAC 100
	
Filter Elements For GFN or GF Housing	
GE 0050 M01	BAC 050
GE 0175 M01	BAC 100
	
Drain Service Kit	
NDK 0050	BAC 050, NF Style
	

NDK 1500	BAC 100, NF Style
	
GFDK 0050	BAC 050, GFN or GF Style
	
GFDK 1500	BAC 100, GFN or GF Style
	



Calibration Kits

CO Cal KIT20-17L

CO Cal KIT10-17L



CO Cal KIT20-103L

CO Cal KIT10-103L



Calibration Gas Bottles

BBG-00017

BBG-10017

BBG-20017

BBG-O2



BBG-00103

BBG-10103

BBG-20103



Pressure Relief Valve

VR4125BR





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