

## **Why do we need G5 Nitrogen?**



*The following information is selected from internet:*

*Sussex Police force, in the United Kingdom, carried out a roadside survey to check tyre pressures due to their concern with incorrectly inflated tyres. The check allowed a +/- 5psi tolerance against recommended handbook pressures.*

*The results of the survey were that 73% of all cars checked had incorrect pressures*

*Police also check the tyre pressures of every car involved in a road traffic accident in the UK. This data shows that 86% of vehicles involved in road traffic accidents have incorrect tyre pressures.*

*Tyres that are under inflated by just 20% (4-6 psi) on average can add £2,600 to a fleet tyre bill that should be £10,000, a 26% increase in cost. According to police figures 73% of tyres checked were 5 psi out against handbook pressures*

*It is estimated that under-inflation of 20% can cause fuel costs to rise by 5%.*

*Compressed air contains Water, Water vapour and Oxygen, which attacks the wheel rims and shortens the useful life of the rubber.*



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## Why do all tyres lose pressure?

*The following information is selected from internet:*

*Certain components namely Oxygen, water vapour and free water that are found in compressed air are prone to permeation through the tyre structure. This is not from faulty valves or leaky rims but a natural pressure loss across the tyre and into the atmosphere. Of these components, both water vapour and free water can enter the tyre in varying amounts even if identical tyres are inflated with the same gauge on the same day. Compressed air is not a specified gas and as such will always contain varying amounts of components that are not suitable for tyre these inflation.*

## The benefits of Nitrogen Tyre Inflation

*The following information is selected from internet:*

*Under inflated tyres create drag which increases tread wear, fuel costs and the risk of punctures as well as having a significant effect on a cars performance both in handling and cost. G5 produces a stable inflation mixture, that has improved pressure retention properties that will ensure tyres remain fully inflated for longer. By having your tyres at the correct pressures you will experience the following benefits:*

- 1. Better handling and road holding*
- 2. Reduces tread wear and increases tyre life by up to 25%*
- 3. Correct inflation pressures reduce puncture risk by up to 33%*
- 4. Reduced rolling resistance improves miles per gallon by 2%*
- 5. Improved pressure retention*

## **Nitrogen Purge Function(N2P)**

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*More and more consumers are looking towards nitrogen for tyre inflation due to the added advantages that it can offer. These are temperature stability, reduced osmosis and reduced tyre pressure maintenance.*

*These will all increase the safety for the driver of the vehicle. It also provides the financial benefits of increased tyre life and greater fuel economy. To increase the purity of nitrogen in the tyre the air must be removed. The N2P facility can be set between 0 and 9. This is the number of times the unit will purge the contents of the tyre and then re-inflate with the nitrogen supplied. The DPS can be set between 4PSI/0.3bar/30kPa and 50% of the final target pressure. This is the first deflate lower limit setting. The unit will deflate the tyre down to the DPS setting, and then inflate to the final target pressure. If 1 N2P cycle was set, then the cycle is now completed. If more than one N2P cycle was set, from the second N2P procedure, the unit will deflate the tyre to 50% of the final target pressure and refill to the final target pressure, the purge routine (deflate/inflate) is repeated according to the number of purge cycle set.*

*If both OPS and N2P are set, then the unit will first over inflate to seat the bead, and then continue to purge the contents as required.*

## **Over Pressure Setting(OPS)**

*When fitted, the bead of the new tyre must be seated on the wheel rim. This is done via inflating the tyre past the required pressure until the bead is in place. The pressure needs to then be reduced to the required pressure. Traditionally this is done manually and is therefore time consuming for the operator. The OPS function allows the operator to set the amount of over pressure between 0 and 2 bar/29psi/200kPa. The unit will then over inflate the tyre by the set amount before automatically deflating back to the final pressure required.*

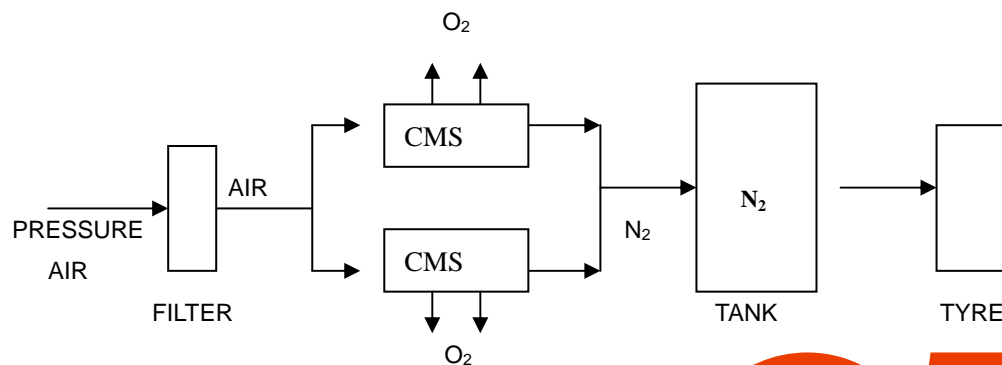
# How the G5 PSA Nitrogen Generator Works

*The air is composed of 78% nitrogen gas, 21% oxygen and 1% other gas. The nitrogen inflator can get rid of the oxygen and the rest is nitrogen gas.*

*There are two steel cylinders equipped with CMS in the nitrogen inflator. Just like sponge absorbing water, CMS can absorb the oxygen in the air without absorbing the nitrogen gas. (There are many pores on CMS surface and the molecular diameter of oxygen is smaller than that of the nitrogen. Therefore, the oxygen molecular can enter into the CMS surface and be absorbed, while the molecular diameter of nitrogen is relatively larger and cannot enter into the pores of CMS).*

*When CMS absorb the oxygen to certain extent (saturation) and cannot absorb oxygen any more, the CMS in the nitrogen system will control the solenoid valve and exhaust the oxygen out.*

*The diagrammatic sketch is as follows:*



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# Handheld Nitrogen Analyser

## Model: A-1053



### A-1053 Main Features:

- *Simple to operate - one button operation*
- *Auto-power off function*
- *Replaceable battery and sensor*
- *The Nitrogen Analyser gives you the actual Nitrogen percentage in your tyres*

### A-1053 Technical Data Summary

**Measurement Range: 0-100 % Nitrogen**

**Display Resolution: 0.1 vol %**

**Measurement Cycle: 0.5 secs**

**Response time 90%: less than 2 seconds**

**Auto Off time delay: 5 mins**

**Accuracy: +/- 0.5 vol% from 0 to 50 vol%**

**+/- 2 vol% from 50-99 vol%**

**Operating temperature: 0 °C/32°F to 50 °C / 122°F**

**Sensor Life: 24 months**

**Battery Type: 9v 6LR61 Alkaline**

# Portable and Smart Manual Model Nitrogen Tyre Inflation System Model: E-1135b



## E-1135b Main Features:

- **Portable and Smart \*\***
- **102PSI/7bar/700kPa**
- **56L/min(1.9cfm)**
- **Suit for: Motorcycle, Car, Light Truck**

## **E-1135b Technical Data Summary**

<b>Dimensions (Height*Width*Depth)</b>	<b>1260mm*450mm*590mm</b> <b>49.6" *17.7"*23.2"</b>
<b>Net Weight</b>	<b>71kg/156.5lbs</b>
<b>Gross Weight</b>	<b>88kg/194lbs</b>
<b>Packing Size (Height*Width*Depth)</b>	<b>1380mm*730mm*510mm</b> <b>54.3"*28.7"*20.1"</b>
<b>Power Requirement</b>	<b>100-240Vac 50/60HZ</b>
<b>Power Consumption</b>	<b>20VA</b>
<b>Operating Temperature Range</b>	<b>-20 °C/-4°F to 70 °C / 158°F</b>
<b>Compressed Air Input Range</b>	<b>87-217PSI/6-15bar /600-1500kPa</b>
<b>Compressed Air Input Flow</b>	<b>250L/min(8.0cfm)</b>
<b>Nitrogen Purity</b>	<b>95-99+%</b>
<b>Nitrogen Output</b>	<b>56L/min(1.9cfm)@116PSI/8bar/800kPa</b> <b>Absorption pressure</b>
<b>Maximum Nitrogen Pressure in Tank</b>	<b>102PSI/7bar/700kPa</b>

## **E-1135b Specifications:**

- 1. Generates nitrogen from your compressed air**
- 2. Pre-Filter**
- 3. 1 Nos.\*10m/32.8ft standard hose with 2 quick couplers to connect the unit and your inflation gun**

**Manual Model Nitrogen Tyre  
Inflation System  
Model: E-1135**



**E-1135 Main Features:**

- **102PSI/7bar/700kPa**
- **50L/min(1.8cfm)**
- **Suit for: Motorcycle, Car, Light Truck**



## **E-1135 Technical Data Summary**

<b>Dimensions (Height*Width*Depth)</b>	<b>1255mm*700mm*435mm</b> <b>49.4’’*27.6’’*17.1’’</b>
<b>Net Weight</b>	<b>87kg/191.8lbs</b>
<b>Gross Weight</b>	<b>104kg/229.3lbs</b>
<b>Packing Size (Height*Width*Depth)</b>	<b>1380mm*730mm*510mm</b> <b>54.3’’*28.7’’*20.1’’</b>
<b>Power Requirement</b>	<b>100-240Vac 50/60HZ</b>
<b>Power Consumption</b>	<b>20VA</b>
<b>Operating Temperature Range</b>	<b>-20 °C/-4°F to 70 °C / 158°F</b>
<b>Compressed Air Input Range</b>	<b>87-123PSI/6-8.5bar /600-850kPa</b>
<b>Compressed Air Input Flow</b>	<b>200L/min(7.2cfm)</b>
<b>Nitrogen Purity</b>	<b>95-99+%</b>
<b>Nitrogen Output</b>	<b>50L/min(1.8cfm)@116PSI/8bar/800kPa</b> <b>Absorption pressure</b>
<b>Maximum Nitrogen Pressure in Tank</b>	<b>102PSI/7bar/700kPa</b>

## **E-1135 Specifications:**

- 1. Generates nitrogen from your compressed air**
- 2. 2 Pre-Filters**
- 3. 50L/13.2gal(us)internal nitrogen storage tank**
- 4. 1 Nos.\*10m/32.8ft standard hose with 2 quick couplers to connect the unit and your inflation gun**

# Manual Model Nitrogen Tyre Inflation System suit for Bus and Car

**Model: E-1170**



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## **E-1170 Main Features:**

- **228L/min(8cfm) Nitrogen output make the unit a fit for almost any size automotive service facility \*\***
- **174PSI/12bar/1200kPa**
- **Suit for: Motorcycle, Car, Light Truck, Bus \***

## E-1170 Technical Data Summary

<b>Dimensions/Weight</b>	<b>Main Body</b>	<b>Tank</b>
Height	1310mm/51.6"	1100mm/43.3"
Width	730mm/28.7"	400mm/15.7"
Depth	620mm/24.4"	400mm/15.7"
Net Weight	167kg/368.2lbs	38kg/83.8lbs
Gross Weight	200kg/441.2lbs	42kg/92.6lbs
<b>Packing Size</b>	<b>Main Body</b>	<b>Tank</b>
Height	1450mm/57.1"	1180mm/46.5"
Width	730mm/28.7"	440mm/17.3"
Depth	670mm/26.4"	440mm/17.3"
Power Requirement	100-240Vac 50/60HZ,	
Power Consumption	45VA	
Operating Temperature Range	-20 °C/-4°F to 70 °C / 158°F	
Compressed Air Input Range	145-217PSI/10-15bar /1000-1500kPa	
Compressed Air Input Flow	900L/min(32cfm)	
Nitrogen Purity	95-99+ %	
Nitrogen Output	228L/min(8cfm)@116PSI/8bar/800kPa	
	Absorption pressure	
Maximum Nitrogen Pressure in Tank	145-174PSI/10-12bar/1000-1200kPa	
	Adjustable	

## E-1170 Specifications:

1. Generates nitrogen from your compressed air
2. Auto Shut-Off
3. 2 Pre-Filters
4. 118L/31.1gal(us)external Nitrogen storage tank
5. 1Nos\*10m/32.8ft standard hose with 2 quick couplers to Connect the unit and your tire inflation gun

**Vacuum Model Nitrogen Tyre  
Inflation System  
Model: E-1136**



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**E-1136 Main Features:**

- ***Pump the air from the tyre by the internal vacuum generator \****
- ***Auto-Start Inflation \****
- ***Single Tire Application***
- ***72PSI/5bar/500kPa***
- ***58L/min(2.0cfm)***
- ***Suit for: Car, Light Truck***

## E-1136 Technical Data Summary

<b>Dimensions (Height*Width*Depth)</b>	<b>1255mm*700mm*435mm</b>
	<b>49.4’’*27.6’’*17.1’’</b>
<b>Net Weight</b>	<b>87kg/191.8lbs</b>
<b>Gross Weight</b>	<b>104kg/229.3lbs</b>
<b>Packing Size (Height*Width*Depth)</b>	<b>1380mm*730mm*510mm</b>
	<b>54.3’’*28.7’’*20.1’’</b>
<b>Power Requirement</b>	<b>100-240Vac 50/60HZ</b>
<b>Power Consumption</b>	<b>30VA</b>
<b>Operating Temperature Range</b>	<b>-20 °C/-4°F to 70 °C / 158°F</b>
<b>Compressed Air Input Range</b>	<b>87-145PSI/6-10bar /600-1000kPa</b>
<b>Compressed Air Input Flow</b>	<b>500L/min(17.0cfm)</b>
<b>Nitrogen Purity</b>	<b>95-99+%</b>
<b>Nitrogen Output</b>	<b>58L/min(2.0cfm)@116PSI/8bar/800kPa</b> <b>Absorption pressure</b>
<b>Maximum Nitrogen Pressure in Tank</b>	<b>102PSI/7bar/700kPa</b>

## E-1136 Specifications:

- 1. Generates nitrogen from your compressed air**
- 2. 2 Pre-Filters**
- 3. 50L/13.2gal(us)internal nitrogen storage tank**
- 4. Auto-start inflation**
- 5. Remain at last setting**
- 6. Audible and visual end of the cycle signal indicators**
- 7. LED display**
- 4. 1 Nos. \*10m/32.8ft standard hose with single clip-on open tyre chuck**
- 5. To increase the tyre nitrogen purity, the valve core must be removed manually and allow all the air to escape from the tyre. Before inflate tyre with nitrogen, firstly the unit will pump the air from the tyre by the internal vacuum generator then inflate nitrogen to the target tyre pressure.**

**Single Tyre application&N2P  
Feature Nitrogen Tyre Inflation  
System  
Model: E-1135-N2P**



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**Model: A-1050**

**10m/32.8ft Hose with single clip-on open type Core retracting Tool  
-Supplied separately:**

**Could save 40% Air deflation time than using standard hose with single clip-on open type chuck**

## E-1135-N2P Main Features:

- **Without pumping the air from the tyre by the internal vacuum generator \***
- **Converts the tyre to Nitrogen at the touch of a button \*\***
- **Nitrogen Purge(N2P) feature, Replaces the Air in tyre with Nitrogen automatically, without lifing the vehicle \*\***
- **Auto-start Inflation \***
- **Fully Automated, fully programmable, micro-processor controlled conversion system**
- **Self-diagnostic features**
- **Over Pressure Setting(OPS)**
- **Single Tyre Application**
- **90PSI/6.2bar/620kPa**
- **58L/min(2.0cfm)**
- **Suit for: Motorcycle, Car, Light Truck**

## E-1135-N2P Technical Data Summary

<b>Dimensions(Height*Width*Depth)</b>	<b>1255mm*720mm*435mm 49.4"*28.3"*17.1"</b>
<b>Net Weight</b>	<b>89kg/196.2lbs</b>
<b>Gross Weight</b>	<b>106kg/233.7lbs</b>
<b>Packing Size(height*Width*Depth)</b>	<b>1380mm*730mm*510mm 54.3"*28.7"*20.1"</b>
<b>Power Requirement</b>	<b>100-240Vac 50 / 60HZ</b>
<b>Power Consumption</b>	<b>30VA</b>
<b>Operating Temperature Range</b>	<b>-20 °C/-4°F to 70 °C / 158°F</b>
<b>Compressed Air Input Range</b>	<b>87-123PSI/6-8.5bar /600-850kPa</b>
<b>Compressed Air Input Flow</b>	<b>250L/min(8.0cfm)</b>
<b>Nitrogen Purity</b>	<b>95-99+%</b>
<b>Nitrogen Output</b>	<b>58L/min(2.0cfm)@116PSI/8bar/800kPa Absorption pressure</b>
<b>Maximum Nitrogen Pressure in Tank</b>	<b>102PSI/7bar/700kPa</b>
<b>Operating Range</b>	<b>5-90PSI/0.3-6.2bar/35-620kPa</b>
<b>Resolution</b>	<b>1PSI/0.1bar/5kPa</b>
<b>Units of Measurement</b>	<b>PSI/bar/kPa</b>

## **E-1135-N2P Specifications:**

- 1. Generates nitrogen from your compressed air***
- 2. 2 Pre-Filters***
- 3. 50L/13.2gal(us)internal nitrogen storage tank***
- 4. Auto-start inflation***
- 5. Automatic zero drift adjustment***
- 6. Remain at last setting***
- 7. Audible and visual end of the cycle signal indicators***
- 8. Large backlight LCD display***
- 9. Vandal resistant mechanical switches***
- 10. 1 Nos.\*10M/32.8ft standard hose with single clip-on open type chuck***



**Portable and Smart 2 Tyres  
simultaneous Inflation&N2P Feature  
Nitrogen Tyre Inflation System  
Model: E-1135b-N2P**

***NEW!***



## E-1135b-N2P Main Features:

- **Portable and Smart \*\***
- **Converts up to 2 tyres to Nitrogen simultaneously at the touch of a button \*\***
- **Nitrogen Purge(N2P) feature, Replaces the Air in tyres with Nitrogen automatically, without lifing the vehicle or removing the tyres or valves \*\***
- **Inflate up to 2 tyres simultaneous could save 25% time than single tyre inflation \*\***
- **Fully Automated, fully programmable, micro-processor controlled conversion system.**
- **Self-diagnostic features.**
- **Over Pressure Setting(OPS)**
- **90PSI/6.2bar/620kPa**
- **61L/min(2.1cfm)**
- **Suit for: Motorcycle, Car, Light Truck**

## E-1135b-N2P Technical Data Summary

<b>Dimensions(Height*Width*Depth)</b>	<b>1260mm*450mm *590mm 49.6"*17.7"*23.2"</b>
<b>Net Weight</b>	<b>72kg/159lbs</b>
<b>Gross Weight</b>	<b>89kg/196lbs</b>
<b>Packing Size(height*Width*Depth)</b>	<b>1380mm*730mm*510mm 54.3"*28.7"*20.1"</b>
<b>Power Requirement</b>	<b>100-240Vac 50 / 60HZ</b>
<b>Power Consumption</b>	<b>30VA</b>
<b>Operating Temperature Range</b>	<b>-20 °C/-4°F to 70 °C / 158°F</b>
<b>Compressed Air Input Range</b>	<b>87-217PSI/6-15bar /600-1500kPa</b>
<b>Compressed Air Input Flow</b>	<b>250L/min(8.0cfm)</b>
<b>Nitrogen Purity</b>	<b>95-99+%</b>
<b>Nitrogen Output</b>	<b>61L/min(2.1cfm)@116PSI/8bar/800kPa Absorption pressure</b>
<b>Maximum Nitrogen Pressure in Tank</b>	<b>102PSI/7bar/700kPa</b>
<b>Operating Range</b>	<b>5-90PSI/0.3-6.2bar/35-620kPa</b>
<b>Resolution</b>	<b>1PSI/0.1bar/5kPa</b>
<b>Units of Measurement</b>	<b>PSI/bar/kPa</b>

## **E-1135b-N2P Specifications:**

- 1. Generates nitrogen from your compressed air**
- 2. Pre-Filters**
- 3. internal nitrogen storage tank**
- 4. Adjustable over pressure setting(OPS)**
- 5. Nitrogen purge and fill cycle (N2P)**
- 6. Adjustable number of cycles**
- 7. Adjustable lower purge pressure limit**
- 8. Standard inflate to target**
- 9. 2 air outlets allow simultaneous inflation of up to 2 tires**
- 10. Auto-Start inflation**
- 11. Automatic zero drift adjustment**
- 12. Remain at last setting**
- 13. Comprehensive diagnostics and error reporting**
- 14. Audible and visual end of the cycle signal indicators**
- 15. Large backlight LCD display**
- 16. Vandal resistant mechanical switches**
- 17. 2 Nos.\*8M/26ft standard hoses with single clip-on closed chuck**

# 2-4 Tyres simultaneous Inflation&N2P Feature Nitrogen Tyre Inflation System Model:E-1150-N2P



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## E-1150-N2P Main Features:

- **Converts up to 2-4 tyres to Nitrogen simultaneously *at the touch of a button* \*\***
- **Nitrogen Purge(N2P) feature, Replaces the Air in tyres with Nitrogen automatically, *without lifing the vehicle or removing the tyres or valves* \*\***
- **Inflate up to 2-4 tyres simultaneous could *save 20-30% time* than single tyre inflation \*\***
- **Fully Automated, fully programmable, micro-processor controlled conversion system.**
- **Self-diagnostic features.**
- **Over Pressure Setting(OPS)**
- **90PSI/6.2bar/620kPa**
- **72L/min(2.6cfm)**
- ***Suit for: Motorcycle, Car, Light Truck***

## E-1150-N2P Technical Data Summary

<b>Dimensions(Height*Width*Depth)</b>	<b>1310mm*720mm*620mm 51.6"*28.3"*24.4"</b>
<b>Net Weight</b>	<b>110kg/242.5lbs</b>
<b>Gross Weight</b>	<b>135kg/297.7lbs</b>
<b>Packing Size(height*Width*Depth)</b>	<b>1450mm*730mm*670mm 57.1"*28.7"*26.4"</b>
<b>Power Requirement</b>	<b>100-240Vac 50 / 60HZ</b>
<b>Power Consumption</b>	<b>35VA</b>
<b>Operating Temperature Range</b>	<b>-20 °C/-4°F to 70 °C / 158°F</b>
<b>Compressed Air Input Range</b>	<b>87-123PSI/6-8.5bar /600-850kPa</b>
<b>Compressed Air Input Flow</b>	<b>280L/min(10.0cfm)</b>
<b>Nitrogen Purity</b>	<b>95-99+%</b>
<b>Nitrogen Output</b>	<b>72L/min(2.6cfm)@116PSI/8bar/800kPa Absorption pressure</b>
<b>Maximum Nitrogen Pressure in Tank</b>	<b>102PSI/7bar/700kPa</b>
<b>Operating Range</b>	<b>5-90PSI/0.3-6.2bar/35-620kPa</b>
<b>Over Pressure Setting Range</b>	<b>0-29PSI/0-2.0bar/0-200kPa</b>
<b>Nitrogen Purges</b>	<b>0-9</b>
<b>Inflator Accuracy</b>	<b>±1PSI/0.07bar/7kPa</b>
<b>Resolution</b>	<b>1PSI/0.1bar/5kPa</b>
<b>Units of Measurement</b>	<b>PSI/bar/kPa</b>

## E-1150-N2P Specifications:

1. **Generates nitrogen from your compressed air**
2. **Auto Shut-Off**
3. **2 Pre-Filters**
4. **50L/13.2gal(us)internal nitrogen storage tank**
5. **Adjustable over pressure setting(OPS)**
6. **Nitrogen purge and fill cycle (N2P)**
7. **Adjustable number of cycles**
8. **Adjustable lower purge pressure limit**
9. **Standard inflate to target**
10. **4 air outlets allow simultaneous inflation of up to 4 tires**
11. **Auto-Start inflation**
12. **Automatic zero drift adjustment**
13. **Remain at last setting**
14. **Comprehensive diagnostics and error reporting**
15. **Audible and visual end of the cycle signal indicators**
16. **Large backlight LCD display**
17. **Vandal resistant mechanical switches**
18. **2 Nos.\*8M/26ft standard hoses with single clip-on closed chuck**

# 4 Tyres simultaneous Inflation&N2P Feature Nitrogen Tyre Inflation System Model:E-1160-N2P



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## E-1160-N2P Main Features:

- **Converts up to 4 tyres to Nitrogen simultaneously at the touch of a button \*\***
- **Nitrogen Purge(N2P) feature, Replaces the Air in tyres with Nitrogen automatically, without lifing the vehicle or removing the tyres or valves \*\***
- **Inflate up to 4 tyres simultaneous could save 30% time than single tyre inflation \*\***
- **Fully Automated, fully programmable, micro-processor controlled conversion system.**
- **Self-diagnostic features.**
- **Over Pressure Setting(OPS)**
- **90PSI/6.2bar/620kPa**
- **93L/min(3.3cfm)**
- **Suit for: Motorcycle, Car, Light Truck**

## **E-1160-N2P Technical Data Summary**

<b>Dimensions(Height*Width*Depth)</b>	<b>1310mm*720mm*620mm 51.6"*28.3"*24.4"</b>
<b>Net Weight</b>	<b>120kg/264.6lbs</b>
<b>Gross Weight</b>	<b>145kg/319.7lbs</b>
<b>Packing Size(height*Width*Depth)</b>	<b>1450mm*730mm*670mm 57.1"*28.7"*26.4"</b>
<b>Power Requirement</b>	<b>100-240Vac 50 / 60HZ</b>
<b>Power Consumption</b>	<b>35VA</b>
<b>Operating Temperature Range</b>	<b>-20 °C/-4°F to 70 °C / 158°F</b>
<b>Compressed Air Input Range</b>	<b>87-123PSI/6-8.5bar /600-850kPa</b>
<b>Compressed Air Input Flow</b>	<b>380L/min(13.0cfm)</b>
<b>Nitrogen Purity</b>	<b>95-99+%</b>
<b>Nitrogen Output</b>	<b>93L/min(3.3cfm)@116PSI/8bar/800kPa Absorption pressure</b>
<b>Maximum Nitrogen Pressure in Tank</b>	<b>102PSI/7bar/700kPa</b>
<b>Operating Range</b>	<b>5-90PSI/0.3-6.2bar/35-620kPa</b>
<b>Over Pressure Setting Range</b>	<b>0-29PSI/0-2.0bar/0-200kPa</b>
<b>Nitrogen Purges</b>	<b>0-9</b>
<b>Inflator Accuracy</b>	<b>±1PSI/0.07bar/7kPa</b>
<b>Resolution</b>	<b>1PSI/0.1bar/5kPa</b>
<b>Units of Measurement</b>	<b>PSI/bar/kPa</b>

## **E-1160-N2P Specifications:**

- 1. Generates nitrogen from your compressed air**
- 2. Auto Shut-Off**
- 3. 2 Pre-Filters**
- 4. 50L/13.2gal(us)internal nitrogen storage tank**
- 5. Adjustable over pressure setting(OPS)**
- 6. Nitrogen purge and fill cycle (N2P)**
- 7. Adjustable number of cycles**
- 8. Adjustable lower purge pressure limit**
- 9. Standard inflate to target**
- 10. 4 air outlets allow simultaneous inflation of up to 4 tires**
- 11. Auto-Start inflation**
- 12. Automatic zero drift adjustment**
- 13. Remain at last setting**
- 14. Comprehensive diagnostics and error reporting**
- 15. Audible and visual end of the cycle signal indicators**
- 16. Large backlight LCD display**
- 17. Vandal resistant mechanical switches**
- 18. 4 Nos. \*8M/26ft standard hoses with single clip-on closed chuck**

# 6 Tyres simultaneous Inflation&N2P Feature Nitrogen Tyre Inflation System Model:E-1165-N2P



**G5**  
Automotive  
equipment

## E-1165-N2P Main Features:

- **Converts up to 6 tyres to Nitrogen simultaneously *at the touch of a button* \*\***
- **Nitrogen Purge(N2P) feature, Replaces the Air in tyres with Nitrogen automatically, *without lifing the vehicle or removing the tyres or valves* \*\***
- **Inflate up to 6 tyres simultaneous could *save 40% time than single tyre inflation* \*\***
- **Fully Automated, fully programmable, micro-processor controlled conversion system.**
- **Self-diagnostic features.**
- **Over Pressure Setting(OPS)**
- **90PSI/6.2bar/620kPa**
- **161L/min(5.7cfm)**
- **Suit for: Motorcycle, Car, Light Truck**



## E-1165-N2P Technical Data Summary:

<b>Dimensions/Weight</b>	<b>Main Body</b>	<b>Tank</b>
Height	1310mm/51.6"	1100mm/43.3"
Width	730mm/28.7"	400mm/15.7"
Depth	620mm/24.4"	400mm/15.7"
Net Weight	149kg/328.5lbs	38kg/83.8lbs
Gross Weight	186kg/410.1lbs	42kg/92.6lbs
<b>Packing Size</b>	<b>Main Body</b>	<b>Tank</b>
Height	1450mm/57.1"	1180mm/46.5"
Width	730mm/28.7"	440mm/17.3"
Depth	670mm/26.4"	440mm/17.3"
<b>Power Requirement</b>	100-240Vac 50/60HZ,	
<b>Power Consumption</b>	70VA	
<b>Operating Temperature Range</b>	-20 °C/-4°F to 70 °C / 158°F	
<b>Compressed Air Input Range</b>	87-123PSI/6-8.5bar /600-850kPa	
<b>Compressed Air Input Flow</b>	650L/min(23.0cfm)	
<b>Nitrogen Purity</b>	95-99+ %	
<b>Nitrogen Output</b>	161L/min(5.7cfm)@116PSI/8bar/800kPa	
	<b>Absorption pressure</b>	
<b>Maximum Nitrogen Pressure in Tank</b>	102PSI/7bar/700kPa	
<b>Operating Range</b>	5-90PSI/0.3-6.2bar/35-620kPa	
<b>Over Pressure Setting Range</b>	0-29PSI/0-2.0bar/0-200kPa	
<b>Nitrogen Purges</b>	0-9	
<b>Inflator Accuracy</b>	±1PSI/0.07bar/7kPa	
<b>Resolution</b>	1PSI/0.1bar/5kPa	
<b>Units of Measurement</b>	PSI/bar/kPa	

## **E-1165-N2P Specifications:**

- 1. Generates nitrogen from your compressed air**
- 2. Auto Shut-Off**
- 3. 2 Pre-Filters**
- 4. 118L/31.1gal(us)external nitrogen storage tank**
- 5. Adjustable over pressure setting(OPS)**
- 6. Nitrogen purge and fill cycle (N2P)**
- 7. Adjustable number of cycles**
- 8. Adjustable lower purge pressure limit**
- 9. Standard inflate to target**
- 10. 6 air outlets allow simultaneous inflation of up to 6 tires**
- 11. Auto-Start inflation**
- 12. Automatic zero drift adjustment**
- 13. Remain at last setting**
- 14. Comprehensive diagnostics and error reporting**
- 15. Audible and visual end of the cycle signal indicators**
- 16. Large backlight LCD display**
- 17. Vandal resistant mechanical switches**
- 18. 4 Nos. \*8M/26ft standard hoses with single clip-on closed chuck**

# 6 Tyres simultaneous Inflation&N2P Feature Nitrogen Tyre Inflation System suit for Bus and Car Model:E-1170-N2P



**G5**  
Automotive  
equipment

## E-1170-N2P Main Features:

- **228L/min(8cfm) Nitrogen output make the unit a fit for almost any size automotive service facility \*\***
- **Converts up to 6 tyres to Nitrogen simultaneously at the touch of a button \*\***
- **Nitrogen Purge(N2P) feature, Replaces the Air in tyres with Nitrogen automatically, without lifing the vehicle or removing the tyres or valves \*\***
- **Inflate up to 6 tyres simultaneous could save 40-60% time than single tyre inflation \*\***
- **Fully Automated, fully programmable, micro-processor controlled conversion system.**
- **Self-diagnostic features.**
- **Over Pressure Setting(OPS)**
- **162PSI/11.2bar/1120kPa \***
- **Suit for: Motorcycle, Car, Light Truck, Bus \***

## E-1170-N2P Technical Data Summary

<b>Dimensions/Weight</b>	<b>Main Body</b>	<b>Tank</b>
Height	1310mm/51.6"	1100mm/43.3"
Width	730mm/28.7"	400mm/15.7"
Depth	620mm/24.4"	400mm/15.7"
Net Weight	170kg/374.8lbs	38kg/83.8lbs
Gross Weight	207kg/456.4lbs	42kg/92.6lbs
<b>Packing Size</b>	<b>Main Body</b>	<b>Tank</b>
Height	1450mm/57.1"	1180mm/46.5"
Width	730mm/28.7"	440mm/17.3"
Depth	670mm/26.4"	440mm/17.3"
<b>Power Requirement</b>	100-240Vac 50/60HZ,	
<b>Power Consumption</b>	70VA	
<b>Operating Temperature Range</b>	-20 °C/-4°F to 70 °C / 158°F	
<b>Compressed Air Input Range</b>	145-217PSI/10-15bar /1000-1500kPa	
<b>Compressed Air Input Flow</b>	1100L/min(39.0cfm)	
<b>Nitrogen Purity</b>	95-99+ %	
<b>Nitrogen Output</b>	228L/min(8cfm)@116PSI/8bar/800kPa	
	<b>Absorption pressure</b>	
<b>Maximum Nitrogen Pressure in Tank</b>	145-174PSI/10-12bar/1000-1200kPa Adjustable	
<b>Operating Range</b>	5-162PSI/0.3-11.2bar/35-1120kPa	
<b>Over Pressure Setting Range</b>	0-29PSI/0-2.0bar/0-200kPa	
<b>Nitrogen Purges</b>	0-9	
<b>Inflator Accuracy</b>	±1PSI/0.07bar/7kPa	
<b>Resolution</b>	1PSI/0.1bar/5kPa	
<b>Units of Measurement</b>	PSI/bar/kPa	

## **E-1170-N2P Specifications:**

- 1. Generates nitrogen from your compressed air**
- 2. Auto Shut-Off**
- 3. 2 Pre-Filters**
- 4. 118L/31.1gal(us)external nitrogen storage tank**
- 5. Adjustable over pressure setting(OPS)**
- 6. Nitrogen purge and fill cycle (N2P)**
- 7. Adjustable number of cycles**
- 8. Adjustable lower purge pressure limit**
- 9. Standard inflate to target**
- 10. 6 air outlets allow simultaneous inflation of up to 6 tires**
- 11. Auto-Start inflation**
- 12. Automatic zero drift adjustment**
- 13. Remain at last setting**
- 14. Comprehensive diagnostics and error reporting**
- 15. Audible and visual end of the cycle signal indicators**
- 16. Large backlight LCD display**
- 17. Vandal resistant mechanical switches**
- 18. 4 Nos. \*8M/26ft standard hoses with single clip-on closed chuck**