

Nitrogen Tyre Inflation System

(1) Model:E-1135



Main Features:

- 102PSI/7bar/700kPa
- 50L/min(1.8cfm)

Technical Data Summary

Dimensions (Height*Width*Depth)	1255mm*700mm*435mm 49.4" *27.6" *17.1"
Net Weight	87kg/191.8lbs
Gross Weight	104kg/229.3lbs
Packing Size (Height*Width*Depth)	1380mm*730mm*510mm 54.3" *28.7" *20.1"
Power Requirement	100-240Vac 50/60HZ
Power Consumption	20VA
Operating Temperature Range	-20°C/-4° F to 70°C / 158° F
Compressed Air Input Range	87-123PSI/6-8.5bar /600-850kPa
Nitrogen Purity	95-99+%

Nitrogen Output 50L/min(1.8cfm)@116PSI/8bar/800kPa
Absorption pressure
Maximum Nitrogen Pressure in Tank
102PSI/7bar/700kPa

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

Clip-on deflator&inflator

Dimension (Height*Width*Depth) 260mm*420mm*100mm
10.2" *16.5" *3.9"

Net Weight 3.6kg/7.9lbs

To increase the purity of nitrogen in the tire,the air in the tire will be removed and the nitrogen will be inflated by the clip-on deflator & inflator which is supplied separately

(2) Model:E-1135-N2P



Main Features:

- Auto-start Inflation
- Single Tire Application
- Nitrogen Purge(N2P)
- 90PSI/6.2bar/620kPa
- 58L/min(2.0cfm)

Technical Data Summary

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

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

(3) Model:E-1160-N2P



Main Features:

- Inflate up to 4 tires simultaneous
- Nitrogen Purge(N2P)
- Over Pressure Setting(OPS)
- 90PSI/6.2bar/620kPa
- 85L/min(3cfm)

Technical Data Summary

Dimensions(Height*Width*Depth)	1310mm*720mm*620mm 51.6"*28.3"*24.4"
Net Weight	120kg/264.6lbs
Gross Weight	145kg/319.7lbs
Packing Size(height*Width*Depth)	1450mm*730mm*670mm 57.1"*28.7"*26.4"
Power Requirement	100-240Vac 50 / 60HZ
Power Consumption	35VA
Operating Temperature Range	-20°C/-4° F to 70°C / 158° F
Compressed Air Input Range	87-123PSI/6-8.5bar /600-850kPa
Nitrogen Purity	95-99+%
Nitrogen Output	85L/min(3cfm)@116PSI/8bar/800kPa

	Absorption pressure
Maximum Nitrogen Pressure in Tank	102PSI/7bar/700kPa
Operating Range	5-90PSI/0.3-6.2bar/35-620kPa
Over Pressure Setting Range	0-29PSI/0-2.0bar/0-200kPa
Nitrogen Purges	0-9
Inflator Accuracy	± 1PSI/0.07bar/7kPa
Resolution	1PSI/0.1bar/5kPa
Units of Measurement	PSI/bar/kPa

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) Model:E-1170-N2P



Main Features:

- 162PSI/11.2bar/1120kPa
- 170L/min(6cfm)
- Nitrogen Purge(N2P)
- Inflate up to 4 tires simultaneous
- Over Pressure Setting(OPS)

Technical Data Summary

Dimensions/Weight	Main Body	Tank
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
Packing Size	Main Body	Tank
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	70VA	
Operating Temperature Range		

	-20°C / -4° F to 70°C / 158° F
Compressed Air Input Range	145-217PSI/10-15bar /1000-1500kPa
Nitrogen Purity	95-99+ %
Nitrogen Output	170L/min(6cfm)@116PSI/8bar/800kPa
	Absorption pressure
Maximum Nitrogen Pressure in Tank	145-174PSI/10-12bar/1000-1200kPa Adjustable
Operating Range	5-162PSI/0.3-11.2bar/35-1120kPa
Over Pressure Setting Range	0-29PSI/0-2.0bar/0-200kPa
Nitrogen Purges	0-9
Inflator Accuracy	± 1PSI/0.07bar/7kPa
Resolution	1PSI/0.1bar/5kPa
Units of Measurement	PSI/bar/kPa

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. **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**

(5) Model:E-1170



Main Features:

- 174PSI/12bar/1200kPa
- 170L/min(6cfm)

Technical Data Summary

Dimensions/Weight	Main Body	Tank
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
Packing Size	Main Body	Tank
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
Nitrogen Purity	95-99+ %
Nitrogen Output	170L/min(6cfm)@116PSI/8bar/800kPa
Absorption pressure	
Maximum Nitrogen Pressure in Tank	145-174PSI/10-12bar/1000-1200kPa Adjustable

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

Appendix:Detail Descriptions of N2P and OPS:

Nitrogen Purge Function(N2P)

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.