



Ingersoll Rand Auto-inflation Unit

Ingersoll Rand now offers a state-of-the-art auto-inflation unit that allows you to easily and accurately fill tires with nitrogen with the push of a button. It's the perfect accessory to the nitrogen generator and allows you to purge and fill tires with minimal effort. Locking chucks and valve stem core removal tools maximize convenience and safety.

| Part Number | Description |
|----------------------|--|
| Auto-inflator | |
| N2ATF-HV | High-volume inflator; includes N2-3W |
| N2ATF | Component kit |
| Accessories | |
| N2-HMVN | 1/2" manifold for multiple tire inflation |
| N2-3W | 1/2" airflow control valve |
| N2-IN-20 | Core removal & inflation tool |
| Hoses | |
| N2-HKC-25C | Coil hose w/ coupler & CH-360-OP chuck (25') |
| N2-HKT-25C | Coil hose w/ coupler & CH-330-LO-OP chuck (25') |
| N2-HKC-12 | Straight hose w/ coupler & CH-360-OP chuck (12') |
| N2-HKC-24 | Straight hose w/ coupler & CH-360-OP chuck (24') |
| N2-HKC-35 | Straight hose w/ coupler & CH-360-OP chuck (35') |
| N2-HKC-50 | Straight hose w/ coupler & CH-360-OP chuck (50') |
| N2-HKC-IN-20-12 | Straight hose w/ coupler & IN-20 core removal tool (12') |
| N2-HKC-IN-20-24 | Straight hose w/ coupler & IN-20 core removal tool (24') |

Notes:

When inflating multiple tires simultaneously, an N2-HMVN is required and all hoses should be the same length, not exceeding 25 feet. An (M) should be attached to the end of the hose part number as well, indicating a closed air chuck is to be assembled. The IN-20 core removal & inflation tool is designed to service an individual tire. By removing the core with the IN-20 tool, the inflation / deflation time is decreased by nearly 50 percent.

Accessories

| Part Number | Description | Quantity |
|-------------|---|---------------|
| N214-10 | 1/4" recoil green air hose (10') | |
| N214-30 | 1/4" recoil green air hose (30') | |
| N238-10 | 3/8" recoil green air hose (10') | |
| N238-30 | 3/8" recoil green air hose (30') | |
| 6358G | Nitrogen hose reel (3/8" hose, 50') | |
| N2-101 | Tire chuck standard dual | |
| N2-102 | Tire chuck locking dual | |
| N2-103 | Tire quick chuck | |
| N2-104 | Tire chuck | |
| N2-120 | Tire inflator w/ gauge | |
| N2-201 | Tire pressure gauge | |
| N2-218 | Green O-rings | 1,000 per bag |
| N2-219 | Green anodized valve sleeves | 1,000 per box |
| N2-220 | Al N ₂ caps & collars | 10 per box |
| N2-221 | Gauge & caps combo | 10 per box |
| N2-222 | Green chrome valve stem caps & O-ring | 4-pack |
| N2-222-1000 | Green chrome valve stem caps | 1,000 per box |
| N2-224 | Green plastic valve caps | 1,000 per bag |
| N2-SND | Nitrogen SimplAir pipe sticker | 10 per pack |
| N2-WSD | Nitrogen window decal | 100 per pack |
| N2G-02-HH | Nitrogen analyzer | |
| N2G-LK | Launch kit | |
| N2G-02-HH-K | N ₂ analyzer - tire chuck - hose | |



N2-102



N2-103



N2-104



N2G-02-HH-K



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Nitrogen Tire Inflation System



INGERSOLL RAND NITROGEN TIRE INFLATION SYSTEM

We're changing the way the world looks at tires.

Nitrogen is the clean, inert gas that comprises 78 percent of the air we breathe. Not only is nitrogen abundantly available, it's also a safe, more beneficial alternative to regular compressed air for tire inflation.

Nitrogen simply makes tires perform better, last longer, and function with greater safety than tires inflated with regular compressed air. The benefits of nitrogen are real and compelling — which is why for years nitrogen's been used to fill tires for the aviation, mining, construction, and fleet industries, as well as for the military, NASA, and auto racing.

Safety-minded consumers are realizing the benefits of nitrogen in their tires. Together, we can deliver those benefits.

So why should you make the switch to nitrogen?

Better pressure retention. The oxygen in regular compressed air permeates through tire walls up to 40 percent faster than nitrogen, leading to accelerated under-inflation. Since nitrogen permeates more slowly, it helps maintain proper tire pressure longer.

Improved tire safety. Government and industry studies suggest roughly 60 percent of tire blowouts are caused by poorly maintained tire pressure. Since nitrogen helps improve pressure retention, a tire's handling, control, and grip are improved, minimizing the danger of catastrophic road failure.

Enhanced fuel economy. With improved tire inflation comes improved gas mileage — by as much as 6 percent in some cases.

Longer tire life. Industry field tests suggest tires inflated with nitrogen can last up to 30 percent longer. Since nitrogen is a clean, inert, moisture-free gas, it slows down internal tire oxidation, which slows down the aging of tires. It also helps tires run cooler, further minimizing the risk of failure.

The preferred technology from the compressor experts.

As the leader in compressor technology for nearly 70 years, Ingersoll Rand has applied unmatched experience and expertise to deliver nitrogen tire inflation systems that are the preferred choice of industry. Our system is highly configurable and easily upgradeable to meet any demand.

If you want to make the jump to nitrogen — and you should — then the smart choice is Ingersoll Rand.

| Product Specifications | |
|---------------------------|------------------------------------|
| Separation Method | Semi-permeable membrane |
| Operating Temp Range | 40 – 100° F |
| Nitrogen Purity | 95% |
| Noise Level | < 54 dBA |
| Pre-filters | 2 coalescing 1 after carbon bed |
| Automatic Pressure Switch | 15 psi range |
| Nitrogen Analyzer | + / - 1% accuracy |
| Receiver Tank | Max 200 psi ASME certified |



NASCAR® team owner and three-time Winston Cup champion Ray Evernham has built a reputation as an outstanding leader, on and off the track. He knows what it takes to get ahead — like using nitrogen-filled tires to enhance performance, tire life, and handling on the track, and now on the street.



| Model Number | Description | Max Inlet Pressure psi | cfm* N ₂ | Outlet Pressure psi | Receiving Tank Capacity gal | N ₂ Purity | Dimensions L x W x H | Weight lb | Use |
|----------------------------|-----------------|------------------------|---------------------|---------------------|-----------------------------|-----------------------|----------------------|-----------|----------------------------------|
| Nitrogen Generators | | | | | | | | | |
| N20406-PG | Standard 4 cfm | 175 | 4 | 135 | 60 | 95% | 29" x 37" x 48" | 285 | Nitrogen tire filling |
| N20808-PG | Standard 8 cfm | 175 | 8 | 135 | 80 | 95% | 29" x 37" x 52" | 320 | Nitrogen tire filling |
| N21208-PG | Standard 12 cfm | 175 | 12 | 135 | 80 | 95% | 29" x 37" x 52" | 335 | Fleet tire filling / maintenance |
| N21612-PG | Standard 16 cfm | 175 | 16 | 135 | 120 | 95% | 29" x 37" X 59" | 365 | Fleet tire filling / maintenance |

*Nominal conditions: feed pressure at inlet 145 psi, ambient temperature 68° F, ambient pressure 1.45 psi, generating 95% purity.



Product Features / Benefits

- Highly configurable; easy to install into existing air systems
- Easily upgradeable for higher volume performance
- Delivers high-quality nitrogen at the purity required for tire inflation
- Optional Auto-inflation Unit fills tires to within an incredible 0.3 percent accuracy — see page 4 for details
- Onboard nitrogen analyzer for easy testing and calibration
- Non-degrading membrane technology with standard 5-year warranty
- No extra filling time compared to compressed air
- No air consumption when not in operation, providing energy savings
- Compact design for minimum space requirements
- Quiet operation
- 24 / 7 customer service

