



# Nitrogen Service Methods

## Nitrogen for New Tire Sales

1. If all new tire sales will be inflated with nitrogen, the simplest method is to plumb nitrogen through your tire changer's bead seater and inflator\*. This means there is no additional time or effort needed to inflate new tires with nitrogen.
2. If you prefer not to or are unable to plumb nitrogen through your tire changer, you may seat the bead with regular air. After the tire bead is seated remove the valve core and replace to allow the residual air to escape, then inflate to pressure with nitrogen, either manually or all at one time with an auto-inflator.
3. Another option is to seat the bead on the tire changer, mount on the tires on the raised vehicle and use an auto-inflator to purge and fill all the tires at once.

Inflation Method (from above)	Total Time Required	Total Labor Time	Purity in Tire with System at 95%**	Purity in Tire with Nitrogen Tank
1. Nitrogen at tire changer	Same as with air	Same as with air	94% - 96%	95% - 97%
2. No nitrogen at changer				
Manual	2 minutes per tire	2 minutes per tire	94% - 96%	95% - 97%
Automatic	4-6 minutes	2 minutes	94% - 96%	95% - 97%
3. Auto-Inflator	4-6 minutes	2 minutes	94% - 96%	95% - 97%

## Nitrogen in Service Bays

1. With vehicle raised, remove the valve cores to purge the tires of regular air, replace the valve cores and inflate with nitrogen.
2. By far the fastest is to use an auto-inflator. Attach hoses to all tires through the inflator, set target pressure and start the purge and fill process.

Inflation Method (from above)	Total Time Required	Total Labor Time	Purity in Tire with System at 95%**	Purity in Tire with Nitrogen Tank
4. Plumb to tire changer	Same as with air	Same as with air	94% - 96%	95% - 97%
5. No nitrogen at changer				
Manual	2 minutes per tire	2 minutes per tire	94% - 96%	95% - 97%
Automatic	4-6 minutes	2 minutes	94% - 96%	95% - 97%
6. Auto-Inflator	4-6 minutes	2 minutes	94% - 96%	95% - 97%

\*We recommend you always bypass an air motor. Air motors will use a significant amount of your nitrogen output. Running nitrogen through the bead seater does not provide a measurable increase in nitrogen purity in the tire as it also forces atmospheric air around the device in the tire.

\*\*The purity in the tire will be above the purity the membrane is set for because the nitrogen purity in the tank will be slightly higher due to back pressure.