TL SERIES | Nitrogen Generators

Transmission Line Pressurization









N₂-GEN[®] Arc Suppression System

The N_2 -GEN® provides an infinite supply of 98%+ pure Nitrogen, ensuring a constant -10° to -50° F dew point within the transmission line. By freeing the environment of oxygen, moisture and contaminants, the N_2 -GEN® maintains the integrity of the transmission line and prevents voltage arcing.

The N_2 -GEN® was designed with minimal circuitry and moving parts, limiting failure points and maximizing life expectancy. Unlike a dehydrator, there is no need to constantly monitor, recharge, or replace desiccant material. With Pressure Swing Adsorption (PSA) technology, the N_2 -GEN® requires only one quick and inexpensive filter change-out per year.

ABOUT SOUTH-TEK SYSTEMS

We ARE Nitrogen

Our team is dually focused on customer support and a technical, in-depth understanding of applications such as the pressurization of transmission lines - ensuring the ultimate user experience. Because of this dedication, South-Tek has become one of the largest manufacturers of Nitrogen Generation equipment with over 10,000 systems installed in the United States and abroad. Those range from the small start-up research laboratory or local industrial equipment shop to a full listing of Fortune 50 Industrial plant sites, many of which have chosen us as their worldwide standard for Nitrogen Generation.

With a commitment to ongoing research and development, we've created Patented technologies that maximize the longevity and efficiency of Nitrogen Generators. Not only do we provide the best user experience, but we're the most innovative manufacturer of Nitrogen Generation technology.

CONTENTS

Model Specifications	03
Schematics	06
Warranty Information	10



TL SERIES

Nitrogen Generators

N₂-GEN® - TL-450

UL 508A listed, wall-mount unit

| Pressure Swing Adsorption (PSA) technology

| Preventative maintenance reminder

Provided with integral Air Compressor

| Includes 28 gal. N₂ receiver tank (14" dia. x 47" H)

Specifications

Minimum nitrogen purity 98%

Minimum flow rate 450 SCFD

Dew point -10° to -50° F

Electrical 110 VAC, 15 AMPS

Dimensions 28.5" H x 12.8" W x 10.2" D

TL-450 *Backup cylinder



N₂-GEN® - TL-1050

UL 508A listed, cabinet enclosed unit

| Pressure Swing Adsorption (PSA) technology

| Preventative maintenance reminder

| Provided with integral Air Compressor

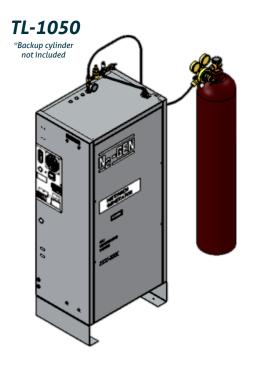
Integrated 15.5 gal. N₂ receiver tank

Specifications

Dimensions

| Minimum nitrogen purity 98% | Minimum flow rate 1,050 SCFD | Dew point -10° to -50° F | Electrical 110 VAC, 15 AMPS

58" H x 26" W x 18" D



TL SERIES

Nitrogen Generators

N₂-GEN® - TL-1825

UL 508A listed, cabinet enclosed unit
Pressure Swing Adsorption (PSA) technology
Preventative maintenance reminder
Requires STS-NF-C-2-J Air Compressor Package
Integrated 15.5 gal. N, receiver tank

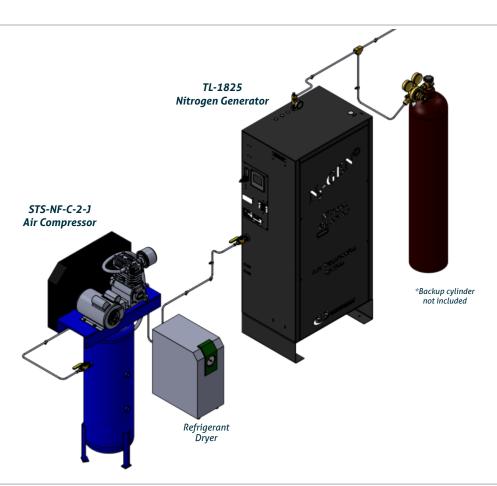
Specifications

| Minimum nitrogen purity 98% | Minimum flow rate (SCFD) 1,825 | Dew point -10° to -50° F | Dimensions 58" H x 26" W x 18" D | N_2 generator electrical 110 VAC, 15 AMPS

STS-NF-C-2-J Air Compressor Package

2 hp piston, oil lubricated w/ after-cooler
17 gal. tank w/ pneumatic auto-drain
Added filtration to ensure dry, oil-free air
Complete with refrigerant dryer

Specifications



TL SERIES

Nitrogen Generators

N₂-GEN® - TL-2625

UL 508A listed, skid-mount unit

Pressure Swing Adsorption (PSA) technology

Preventative maintenance reminder

Requires STS-NF-C-2-J Air Compressor Package

Includes 30 gal. N, receiver tank (skid mount)

Specifications

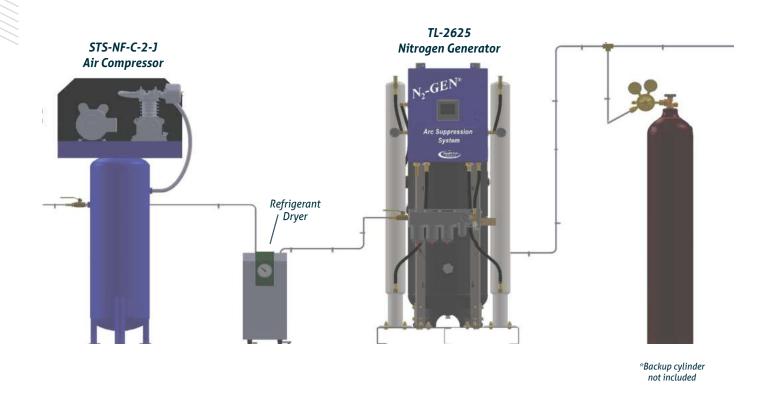
| Minimum nitrogen purity 98% | Minimum flow rate (SCFD) 2,625 | Dew point -10 $^{\circ}$ to -50 $^{\circ}$ F | Skid weight 315 lbs. | Skid dimensions 66" H x 29" W x 33" D | N₂ generator electrical 110 VAC, 8 AMPS

STS-NF-C-2-J Air Compressor Package

2 hp piston, oil lubricated w/ after-cooler
17 gal. tank w/ pneumatic auto-drain
Added filtration to ensure dry, oil-free air
Complete with refrigerant dryer

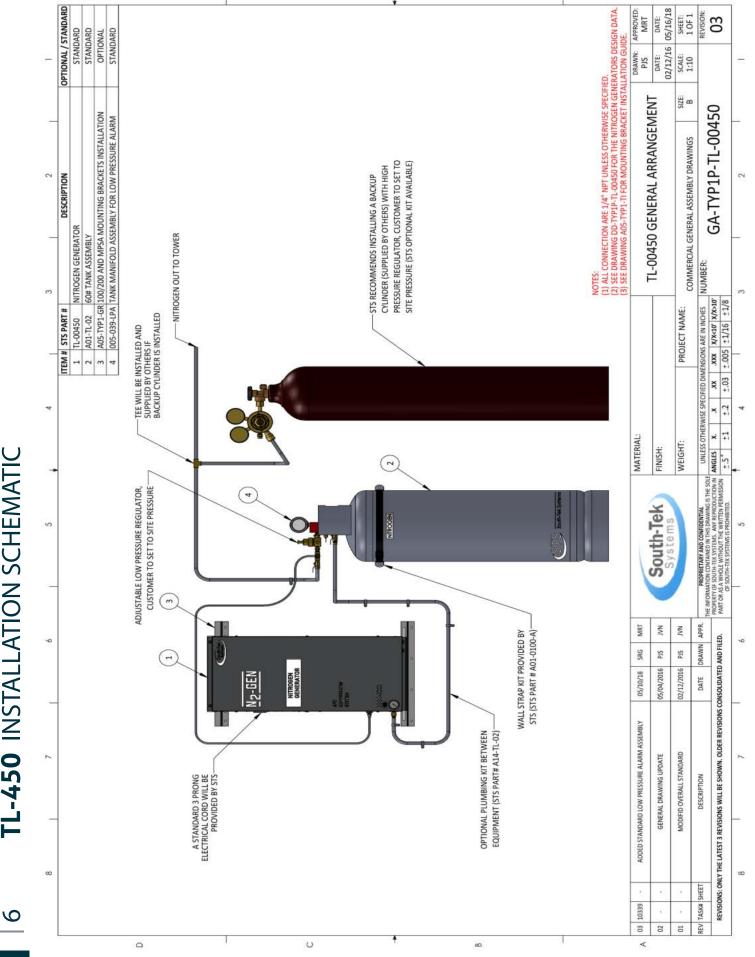
Specifications

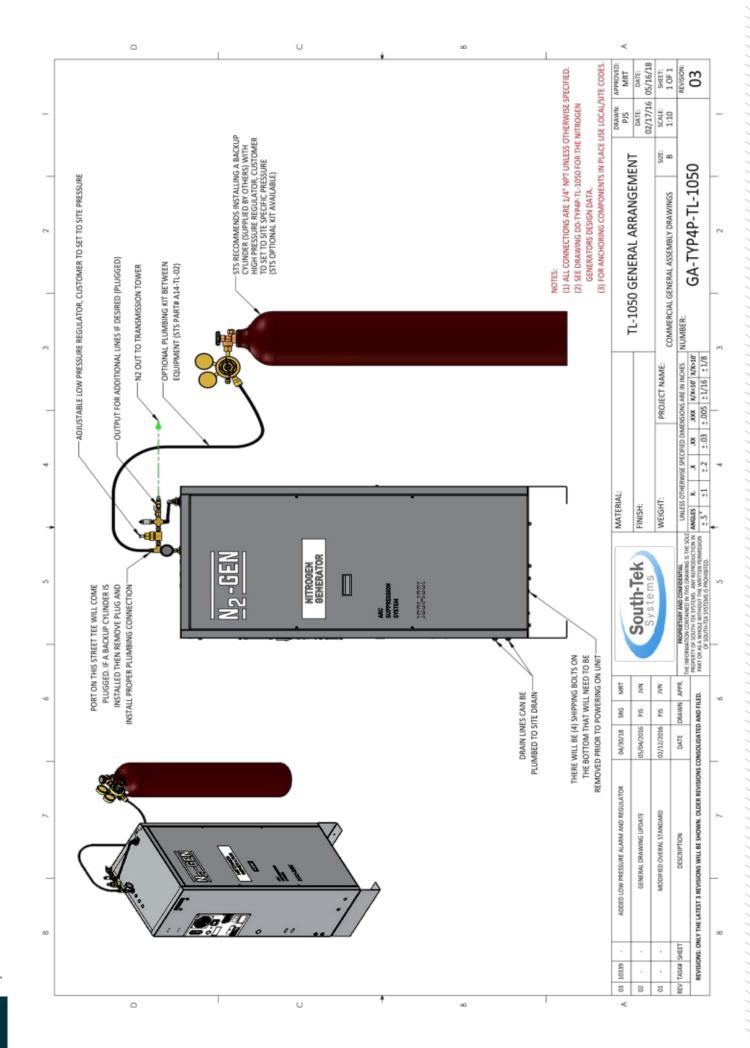
| Air flow output 7.6 SCFM @ 125 PSI | Air compressor dim. 57"H x 27"W x 16"D | Refrigerant dryer dim. 15"H x 9"W x 16"D | 115 VAC, 10 AMPS | Air compressor elec. 1Ph 120/230V | 3Ph 208/230/460V

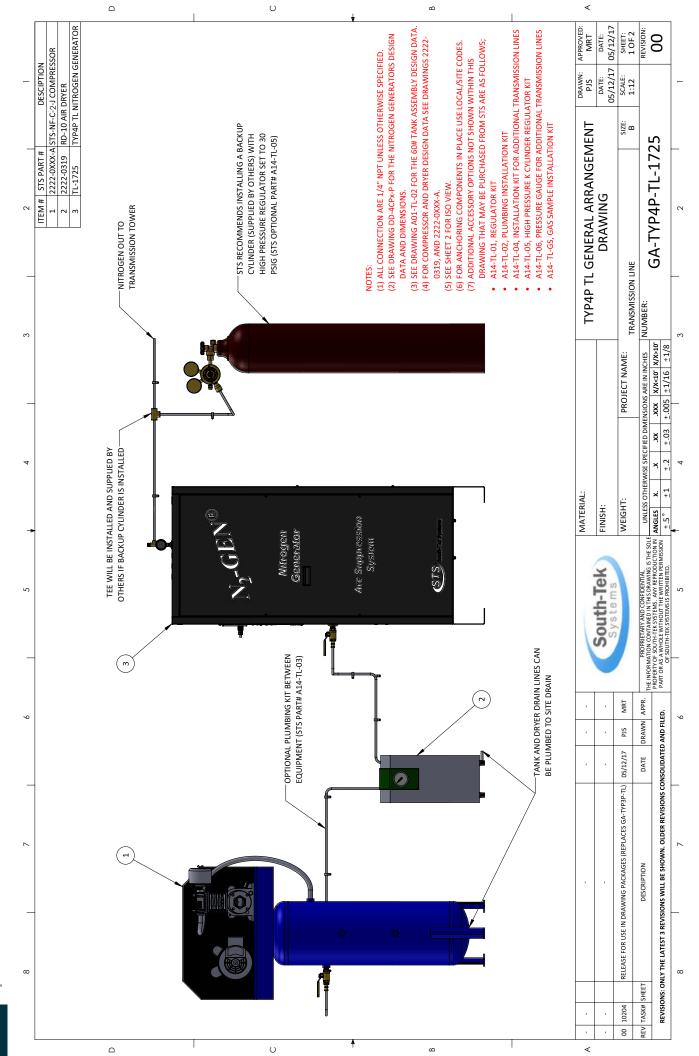


۵

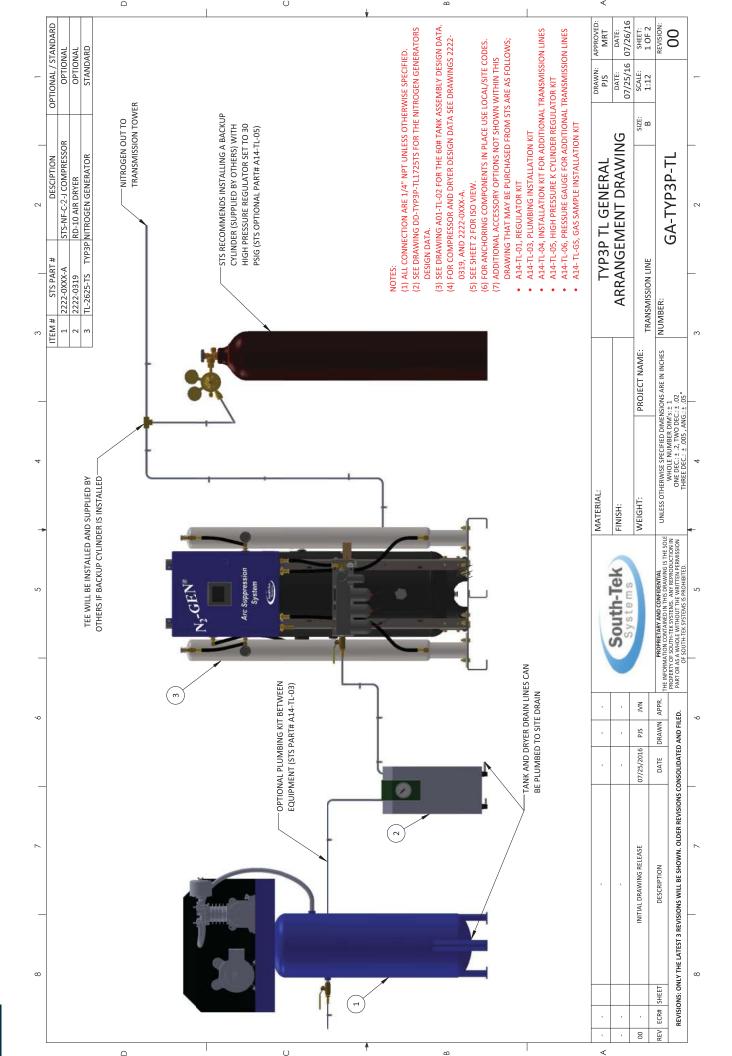
O







9





South-Tek Systems Warranties

WE DESIGN BEST IN CLASS, DEPENDABLE NITROGEN
GENERATION SYSTEMS. IT ONLY SEEMS RIGHT TO OFFER
A WARRANTY TO MATCH.



N₂-GEN® Nitrogen Generators¹

South-Tek Systems warrants to the purchaser that all Nitrogen generators and other products manufactured by South-Tek Systems shall be free of defects in material and workmanship for a period of one (1) year from the date of shipment to the purchaser or within 1,000 hours of runtime, whichever comes first (per South-Tek Systems' Terms & Conditions). The South-Tek Systems warranty only applies to products manufactured by South-Tek Systems.

STS-NF-C-J Series Air Compressor Packages²

The STS-NF-C-J Series Air Compressor Packages are warranted for one (1) year from date of purchase.

The manufacturer will repair, without charge, any defects due to faulty materials or workmanship.

This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

RD Series Air Dryer Packages²

The RD Series Air Dryer Packages have a one (1) year warranty against defects in materials or workmanship under normal use and service, from the date of installation or eighteen (18) months from the date of shipment by the manufacturer or a manufacturer's distributor, whichever may occur first. Heat Exchangers are warranted for five (5) years.

¹Per South-Tek Systems' Terms and Conditions

²Per the Manufacturer's Terms and Conditions



