

Potter Nitrogen Generator Form

LOCATION

Lower Fort Gary Big House

NGP MODEL / SERIAL NUMBER

NGP-300D- 2A

NUMBER OF RISERS & VOLUME OF EACH

1-121

PRESTART UP CHECKS

		YES	NO
1	All plumbing & electrical connections made properly.	X	
2	All pieces of the unit mounted securely.		X
3	N2 & air tank drains, system isolation valves & all AMD valves closed.	X	
4	Bypass valve open. (yellow handle)	X	
5	Systems been leak checked per NFPA 13 new systems, NFPA 25 existing systems	X	

START UP CHECKS (AIR FILL)

		YES	NO
6	Power & N2 Solenoid lights on.	X	
7	Leak check plumbing outside the cabinet including piping to isolation valve/AMD. Also check all connections on the "air fill" side of the cabinet. This has to be done while N2 Solenoid light is ON.	X	
8	Does N2 Light turn off when N2 tank pressure reaches 75 PSI.	X	
9	Does compressor shut off @ approx. 105 PSI.	X	
10	Actual run time 0-105 PSI. 300D/500D < 15 minutes 1000D/2200D <10 minutes		9:25
11	Bleed pressure off AIR tank till compressor starts running. Should be approx. 85 PSI.	X	
12	Actual run time 85-105 PSI should be < 2 minutes for all models		1:00

START UP CHECKS (N2 FILL)

		YES	NO
13	Open N2 valves (blue handle), close bypass valve. (yellow handle)	X	
14	Bleed pressure off N2 Tank till N2 Solenoid light comes on. (approx. 60 PSI.)	X	
15	Check for leaks on "N2" side of the cabinet. This can only be done when N2 Solenoid light is ON.	X	
16	Does N2 solenoid light turn off when pressure in the N2 tank reaches approx.75 PSI.	X	
17	Actual run time from light on till light off. (60-75 PSI) 300D/500D/-M1 < 25 minutes -M2/-M4 <15 minutes -M3/-M5 <10 minutes		14:42
18	Bleed pressure off N2 Tank till N2 Solenoid light comes on. (approx. 60 PSI.)	X	
19	Insure N2 purity level is 98%+ (check when tank pressure is above 70PSI.)		98.2
20	Does N2 solenoid light turn off when pressure in the N2 tank reaches approx.75 PSI.	X	
21	Actual run time from light on till light off.(60-75 PSI) 300D/500D/-M1 < 25 minutes -M2/-M4 <15 minutes -M3/-M5 <10 minute		13:00

COMMISIONING THE SYSTEM

		YES	NO
22	Open bypass valve, close N2 Valves. (in cabinet)		X
23	Open bypass valve on AMD & any Isolation valves from N2 cabinet to system.		X
24	When system operating pressure is reached close bypass valve & open maintenance valves on AMD. Close bypass valve, open N2 valves in NGP cabinet.		X
25	Open all manual purge valves, and start all INS-PV's. (whichever are applicable)		X

INSTALLATION COMPANY

Forest City Fire

PERSON PERFORMING INSTALLATION

Brent Talling, Cody Hunter

DATE

09/05/2017

Notes: N2 Generator functioned as designed. Unit still needs to be anchored to the floor, and the Purge valve needs to be talled. Once purge valve is installed system can be filled with air, then a purge process can be started.

Potter Nitrogen Generator Form

LOCATION

Lower Fort Gary Furloft Building

NGP MODEL / SERIAL NUMBER

NGP-300D- 2A

NUMBER OF RISERS & VOLUME OF EACH

1-204

PRESTART UP CHECKS

		YES	NO
1	All plumbing & electrical connections made properly.	X	
2	All pieces of the unit mounted securely.		X
3	N2 & air tank drains, system isolation valves & all AMD valves closed.	X	
4	Bypass valve open. (yellow handle)	X	
5	Systems been leak checked per NFPA 13 new systems, NFPA 25 existing systems	X	

START UP CHECKS (AIR FILL)

		YES	NO
6	Power & N2 Solenoid lights on.	X	
7	Leak check plumbing outside the cabinet including piping to isolation valve/AMD. Also check all connections on the "air fill" side of the cabinet. This has to be done while N2 Solenoid light is ON.	X	
8	Does N2 Light turn off when N2 tank pressure reaches 75 PSI.	X	
9	Does compressor shut off @ approx. 105 PSI.	X	
10	Actual run time 0-105 PSI. 300D/500D < 15 minutes 1000D/2200D <10 minutes		9:15
11	Bleed pressure off AIR tank till compressor starts running. Should be approx. 85 PSI.	X	
12	Actual run time 85-105 PSI should be < 2 minutes for all models		1:10

START UP CHECKS (N2 FILL)

		YES	NO
13	Open N2 valves (blue handle), close bypass valve. (yellow handle)	X	
14	Bleed pressure off N2 Tank till N2 Solenoid light comes on. (approx. 60 PSI.)	X	
15	Check for leaks on "N2" side of the cabinet. This can only be done when N2 Solenoid light is ON.	X	
16	Does N2 solenoid light turn off when pressure in the N2 tank reaches approx.75 PSI.	X	
17	Actual run time from light on till light off. (60-75 PSI) 300D/500D/-M1 < 25 minutes -M2/-M4 <15 minutes -M3/-M5 <10 minutes		12:17
18	Bleed pressure off N2 Tank till N2 Solenoid light comes on. (approx. 60 PSI.)	X	
19	Insure N2 purity level is 98%+ (check when tank pressure is above 70PSI.)		98
20	Does N2 solenoid light turn off when pressure in the N2 tank reaches approx.75 PSI.	X	
21	Actual run time from light on till light off.(60-75 PSI) 300D/500D/-M1 < 25 minutes -M2/-M4 <15 minutes -M3/-M5 <10 minute		10:19

COMMISIONING THE SYSTEM

		YES	NO
22	Open bypass valve, close N2 Valves. (in cabinet)		X
23	Open bypass valve on AMD & any Isolation valves from N2 cabinet to system.		X
24	When system operating pressure is reached close bypass valve & open maintenance valves on AMD. Close bypass valve, open N2 valves in NGP cabinet.		X
25	Open all manual purge valves, and start all INS-PV's. (whichever are applicable)		X

INSTALLATION COMPANY

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PERSON PERFORMING INSTALLATION

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DATE

09/05/2017

Notes: N2 generator functions as designed. Unit needs to be ankored to the floor. System is ready to be filled air, then a rge process can be started.

Potter Nitrogen Generator Form

LOCATION

Lower Fort Gary Mens House

NGP MODEL / SERIAL NUMBER

NGP-300D- 2A

NUMBER OF RISERS & VOLUME OF EACH

1-101

PRESTART UP CHECKS

		YES	NO
1	All plumbing & electrical connections made properly.	X	
2	All pieces of the unit mounted securely.	X	
3	N2 & air tank drains, system isolation valves & all AMD valves closed.	X	
4	Bypass valve open. (yellow handle)	X	
5	Systems been leak checked per NFPA 13 new systems, NFPA 25 existing systems	X	

START UP CHECKS (AIR FILL)

		YES	NO
6	Power & N2 Solenoid lights on.	X	
7	Leak check plumbing outside the cabinet including piping to isolation valve/AMD. Also check all connections on the "air fill" side of the cabinet. This has to be done while N2 Solenoid light is ON.	X	
8	Does N2 Light turn off when N2 tank pressure reaches 75 PSI.	X	
9	Does compressor shut off @ approx. 105 PSI.	X	
10	Actual run time 0-105 PSI. 300D/500D < 15 minutes 1000D/2200D <10 minutes		9:10
11	Bleed pressure off AIR tank till compressor starts running. Should be approx. 85 PSI.	X	
12	Actual run time 85-105 PSI should be < 2 minutes for all models		1:05

START UP CHECKS (N2 FILL)

		YES	NO
13	Open N2 valves (blue handle), close bypass valve. (yellow handle)	X	
14	Bleed pressure off N2 Tank till N2 Solenoid light comes on. (approx. 60 PSI.)	X	
15	Check for leaks on "N2" side of the cabinet. This can only be done when N2 Solenoid light is ON.	X	
16	Does N2 solenoid light turn off when pressure in the N2 tank reaches approx.75 PSI.	X	
17	Actual run time from light on till light off. (60-75 PSI) 300D/500D/-M1 < 25 minutes -M2/-M4 <15 minutes -M3/-M5 <10 minutes		13:07
18	Bleed pressure off N2 Tank till N2 Solenoid light comes on. (approx. 60 PSI.)	X	
19	Insure N2 purity level is 98%+ (check when tank pressure is above 70PSI.)		98
20	Does N2 solenoid light turn off when pressure in the N2 tank reaches approx.75 PSI.	X	
21	Actual run time from light on till light off.(60-75 PSI) 300D/500D/-M1 < 25 minutes -M2/-M4 <15 minutes -M3/-M5 <10 minute		11:32

COMMISIONING THE SYSTEM

		YES	NO
22	Open bypass valve, close N2 Valves. (in cabinet)		X
23	Open bypass valve on AMD & any Isolation valves from N2 cabinet to system.		X
24	When system operating pressure is reached close bypass valve & open maintenance valves on AMD. Close bypass valve, open N2 valves in NGP cabinet.		X
25	Open all manual purge valves, and start all INS-PV's. (whichever are applicable)		X

INSTALLATION COMPANY

Forest City Fire

PERSON PERFORMING INSTALLATION

Brent Talling, Cody Hunter

DATE

09/05/2017

Notes: N2 unit functions as designed. Purge valve is installed properly. System is ready to be filled with air then a purge process can be started.