



**ANNUAL MAINTENANCE CHECKLIST
NITROGEN-PAC™ MODEL SC-W SYSTEM
UFS-624 REVISION 2.01 – PAGE 1 OF 4**



DATE	
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LOCATION INFORMATION	
User	
Address 1	
Address 2	
City, State, Zip	
System	

NITROGEN-PAC™ MODEL SC-W ASSEMBLY SERIAL NUMBER	
TRUE ADVANCED PURGE™ #1 SERIAL NUMBER	
TRUE ADVANCED PURGE™ #2 SERIAL NUMBER	

MAINTENANCE – MODEL SC-W ASSEMBLY				
STEP	MANUAL REF.	PROCEDURE	OK	NOT OK
1		Is the GREEN visual indicator on?		
2		Has the manual particulate filter drain valve been opened, allowing any condensate to drain, and the valve then been closed?		
3		Is the SC nitrogen outlet hose present, secure and in good condition?		
4		When the valves are positioned for system Initial Fill, is the bypass visual indicator flashing RED ? See Quick Reference Valve Position Table.		
5		Have the valves at the SC assembly been returned to the Nitrogen Generation position per the Quick Reference Valve Position Table?		
6		When the valves are positioned for Nitrogen Generation, does the bypass visual indicator turn OFF ? See Quick Reference Valve Position Table.		
7		Is the drain connection connected to a hose or piping leading to a proper drain?		
8		If present, is the condensate drain pump properly connected and in good working order?		
9	5.4.1	Has the compressor inlet filter been replaced?		
10	5.4.2	Has the enclosure intake filter been replaced?		
11	5.4.3	Has the exhaust fan filter element been replaced?		
12	5.4.4	Have the filter elements in the coalescing and particulate filters been replaced?		
13	5.2.1	Has the nitrogen purity value at the Model SC-W assembly N ₂ Purity Test Port been checked and the Runtime Monitor value been checked and recorded below?		
Model SC-W Assembly N₂ Purity Test Port			Runtime Monitor	
			HRS	MIN



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MAINTENANCE – MODEL SC-W ASSEMBLY (CONTINUED)					
STEP	PROCEDURE			OK	NOT OK
14	Have the values on the Model SC-W assembly gauges been recorded?				
PROPER GAUGE READINGS MODEL SC-W ASSEMBLY		Gauge A		Gauge B	
		0 PSIG MIN.	100 PSIG MAX.	75 PSIG MIN.	95 PSIG MAX.
OBSERVED GAUGE VALUES MODEL SC-W ASSEMBLY		PSIG		PSIG	

MAINTENANCE – MODEL NAMD-1 ASSEMBLIES					
STEP	PROCEDURE			OK	NOT OK
1	Are all the valves at each Model NAMD-1 in the proper position?				
2	Have the values on the Model NAMD-1 gauges been recorded?				
Sprinkler System 1	PSIG	Sprinkler System 2	PSIG	External Air Compressor	PSIG

MAINTENANCE – MODEL PVA ASSEMBLIES					
STEP	MANUAL REF.	PROCEDURE		OK	NOT OK
1		Are the inlet valves at all PVAs in their proper position?			
2	5.4.5	Has residual water (if present) been drained from each PVA? (CAUTION: Close inlet valve at PVA before attempting water drainage.)			
3	5.4.6	If necessary, has the strainer screen been replaced?			
4	5.2.4	Have the nitrogen purity values at the Model PVAs been checked with the Model NA-2 Nitrogen Analyzer or the Model TAP-G3s?			

MAINTENANCE – MISCELLANEOUS					
STEP	PROCEDURE			OK	NOT OK
1	Is all nitrogen piping secure and tight?				
2	Is the NA-2 Nitrogen Analyzer located in its proper storage location, is the location still clean and dry, and has the device been tested?				

REPLACEMENT PARTS FOR ANNUAL MAINTENANCE		
Quantity	UFS P/N	Description
1	00-100005-558	Intake Filter, Compressor
2	30.500002-101	Element, Particulate and Coalescing Filters
1	30.500002.301	Element, Water Separator
1	00.100005-556	Element, Enclosure Intake Filter
1	30-500200-002	Element, Exhaust Fan Filter
1	30-500003-301	Screen, Strainer, Model PVA



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COMPLETION SIGNATURES			
	PRINT NAME	SIGNATURE	DATE
INSPECTOR			
CUSTOMER			

QUICK REFERENCE VALVE POSITION TABLE							
	A	B	C	D	E	F	G
VALVE	NORMAL	INITIAL FILL	PURGING	FILTER SERVICE	N ₂ PURITY AT TEST PORT	N ₂ PURITY AT PVAs	DRAIN
MODEL SC-W ASSEMBLIES							
1	Normal	Bypass	Normal	Normal	Normal	Normal	Normal
2	Open	Open	Open	Closed	Open	Open	Closed
MODEL NAMD-1 ASSEMBLIES							
Inlet(s)	Open	Closed	Open	Open	Open	Open	Open
Outlet(s)	Open	Closed	Open	Open	Open	Open	Open
Bypass(es)	Closed	Open	Closed	Closed	Closed	Closed	Closed
MODEL PVA ASSEMBLIES							
PVA-4 (with NA-2)	Closed	Closed	Open	Closed	Closed	Open	Closed
PVA-2 (with TAP)	Open	Open	Open	Open	Open	Open	Closed
TAP = TRUE ADVANCED PURGE™ device. Leave PVA inlet valve OPEN unless draining water at PVA location. TAP device will be in control of purging.							

A	NORMAL	System is providing N ₂ into sprinkler pipe.	D	FILTER SERVICE	Filter elements in Model SC-W assembly are to be replaced.
B	INITIAL FILL	Air into sprinkler pipe for initial fill (max. 30 minutes) or air only if N ₂ not available.	E	N₂ PURITY AT TEST PORT	N ₂ purity at Model SC-W assembly is to be measured with Model NA-2.
C	PURGING	Air is purging from sprinkler pipe and being replaced with N ₂ .	F	N₂ PURITY AT PVAs	N ₂ purity at PVAs is to be measured with Model NA-2.
			G	DRAIN	Draining of accumulated moisture from Model SC-W assembly.

