



**COMMISSIONING WORKSHEET AND CHECKLIST
NITROGEN-PAC™ MODEL SC-W SYSTEM
UFS-622 REVISION 2.01 – PAGE 1 OF 4**



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

SPRINKLER SYSTEM INFORMATION			
Riser #1		Riser #2	
System Type (I or II)		System Type (I or II)	
Volume in Gallons		Volume in Gallons	

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

PRELIMINARY	OK	NOT OK
Has the packaging material been removed from behind air compressor and discarded?		
Are all electrical connections complete?		
Are all piping connections complete?		
Is the water supply to the sprinkler valve(s) off?		
Are all SC-W assembly valves positioned for Nitrogen Generation (see Quick Reference Valve Position Table), all PVA valves CLOSED , and all NAMD-1 valves CLOSED ?		
Is the POWER switch OFF ?		

STARTUP	OK	NOT OK
Has the panelboard circuit breaker been turned ON ?		
Has the POWER switch been turned ON , the GREEN power indicator illuminated, and has the air compressor started?		
Has Gauge A begun to indicate pressure?		



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30 MINUTE INITIAL FILL (TYPE I SYSTEM)	OK	NOT OK
Has Valve 1 been moved to the BYPASS position (handle facing LEFT), and is the RED bypass visual indicator flashing?		
Has an inlet valve on one (1) Model NAMD-1 been OPENED , and is the NAMD-1 pressure gauge indicating pressure?		
Has the Model NAMD-1 regulator been properly adjusted?		
Has the Model NAMD-1 inlet valve been CLOSED , and the bypass valve OPENED ?		
Did the sprinkler system reach supervisory pressure in 30 minutes or less, and has the Model NAMD-1 bypass valve been CLOSED ?		
If the sprinkler system did not reach supervisory pressure in 30 minutes or less, has the sprinkler system been checked for leaks and have leaks been corrected?		
If the Model SC-W is connected to a second sprinkler valve, have the 30 minute initial fill steps been performed successfully on the second system?		

30 MINUTE INITIAL FILL (TYPE II SYSTEM)	OK	NOT OK
Has Valve 1 been moved to the BYPASS position (handle facing LEFT), and is the RED bypass visual indicator flashing?		
Have all valves on the Model NAMD-1 connected to the external air compressor been CLOSED ?		
Has AC power been applied to the external air compressor?		
Has the inlet valve on the Model NAMD-1 connected to the external air compressor been OPENED ?		
Has the regulator on the Model NAMD-1 connected to the external air compressor been properly adjusted?		
Has an inlet valve on one (1) Model NAMD-1 been OPENED , and is the NAMD-1 pressure gauge indicating pressure?		
Has the Model NAMD-1 regulator been properly adjusted?		
Has the Model NAMD-1 inlet valve been CLOSED , and the bypass valves on both Model NAMD-1s connected to external air compressor and sprinkler valve been OPENED ?		
Did the sprinkler system reach supervisory pressure in 30 minutes or less, and has the NAMD-1 bypass valve been CLOSED ?		
If the sprinkler system did not reach supervisory pressure in 30 minutes or less, has the sprinkler system been checked for leaks and have leaks been corrected?		
If the Model SC-W is connected to a second sprinkler valve, have the 30 minute initial fill steps been performed successfully on the second system?		



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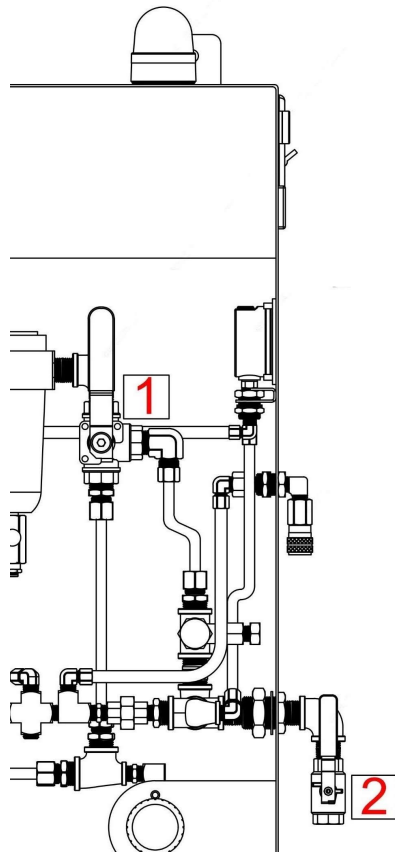


PURGING						OK	NOT OK
Has Valve 1 been returned to the NORMAL position (handle facing UP), and is the RED bypass visual indicator OFF ?							
Has the bypass valve on a Model NAMD-1 been CLOSED , and the inlet and outlet valves OPENED ?							
Has the valve on one (1) Model PVA been OPENED ?							
Are all valves in the NORMAL position per the Quick Reference Valve Position Table?							
If provided, is the condensate pump properly installed and does it function as intended?							
Has the Model NA-2 Nitrogen Analyzer been switched ON and calibrated, if needed?							
Have the N ₂ purity values been recorded?	Model SC-W Assembly N ₂ Purity Test Port		PVA or TAP-G3 #1		PVA or TAP-G3 #2		
PROPER GAUGE READINGS MODEL SC-W ASSEMBLY				Gauge A		Gauge B	
				Minimum	Maximum	Minimum	Maximum
				0 PSIG	100 PSIG	75 PSIG	95 PSIG
Have the values on the Model SC-W gauges been recorded?							
Have the values on the Model NAMD-1 gauges been recorded?	Sprinkler System 1		Sprinkler System 2		External Air Compressor		
Has the time on the Runtime Monitor been recorded?						Hours	Minutes
NOTE: Initial time will NOT be zero. Indicated time includes factory test run time and commissioning run time.							

FINAL ACCEPTANCE						OK	NOT OK
Are all valves in the NORMAL position per the Quick Reference Valve Position Table?							
Has the Model NA-2 Nitrogen Analyzer been switched ON and calibrated, if needed?							
Have the N ₂ purity values been recorded?	Model SC-W Assembly N ₂ Purity Test Port		PVA or TAP-G3 #1		PVA or TAP-G3 #2		
PROPER GAUGE READINGS MODEL SC-W ASSEMBLY				Gauge A		Gauge B	
				Minimum	Maximum	Minimum	Maximum
				0 PSIG	100 PSIG	75 PSIG	95 PSIG
Have the values on the Model SC-W gauges been recorded?							
Have the values on the Model NAMD-1 gauges been recorded?	Sprinkler System 1		Sprinkler System 2		External Air Compressor		
Has the time on the Runtime Monitor been recorded?						Hours	Minutes
NOTE: Initial time will NOT be zero. Indicated time includes factory test run time and commissioning run time.							

FINAL ACCEPTANCE SIGNATURES			
	PRINT NAME	SIGNATURE	DATE
CUSTOMER			
INSTALLING CONTRACTOR			

QUICK REFERENCE VALVE POSITION TABLE							
VALVE	A NORMAL	B INITIAL FILL	C PURGING	D FILTER SERVICE	E N ₂ PURITY AT TEST PORT	F N ₂ PURITY AT PVAs	G DRAIN
MODEL SC-W VALVES							
1	Normal	Bypass	Normal	Normal	Normal	Normal	Normal
2	Open	Open	Open	Closed	Open	Open	Closed
MODEL NAMD-1 VALVES							
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 VALVES)							
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.
B	INITIAL FILL	Compressed air into sprinkler pipe for initial fill (max. 30 minutes), or air only if N ₂ is not available.
C	PURGING	Air is purging from sprinkler pipe and being replaced with N ₂ .
D	FILTER SERVICE	Filter elements in Model SC-W assembly are to be replaced.
E	N₂ PURITY AT TEST PORT	N ₂ purity at Model SC-W assembly is to be measured with Model NA-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.