

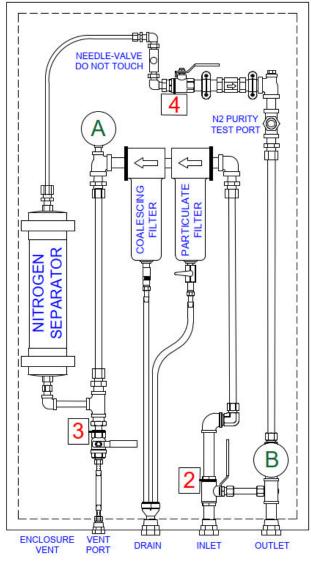




Effective: August 2024

OPERATING INSTRUCTIONS

VALVES			
VALVE DESIGNATION	VALVE DESCRIPTION	NORMAL POSITION	BYPASS POSITION
2	BYPASS VALVE	OPEN (HANDLE FACING UP)	BYPASS (HANDLE FACING OUT)
3	VENT VALVE	CLOSED	CLOSED
4	SHUTOFF VALVE	OPEN	CLOSED



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MODEL	. NGM-	G2-5	(2980 GAL	CAPACITY)

☐ MODEL NGM-G2-10 (5000 GAL CAPACITY)

PE	PERFORMING SPRINKLER SYSTEM 30 MINUTE	
	INITIAL FILL WITH AIR	
STEP	DESCRIPTION	
1	Move BYPASS VALVE (2) to the BYPASS position (handle	
	facing out)	
2	Apply pressure to inlet from compressor	
3	Allow the sprinkler system to fill with air. Supervisory pressure	
	should be reached in 30 minutes or less	
4	Once supervisory pressure is reached, return all valves to the	
	NORMAL POSITION per VALVES table	

	TO START UP NITROGEN-PAC™
STEP	DESCRIPTION
1	Position all valves in NORMAL POSITION per VALVES table
2	Apply pressure to inlet from compressor

	TO SHUT DOWN NITROGEN-PAC™
STEP	DESCRIPTION
1	Position all valves to NORMAL POSITION per VALVES table
2	Move SHUTOFF VALVE (4) to the closed position
3	Remove pressure from inlet
4	Vent pressure using VENT VALVE (3) until all pressure gauges read ZERO

TO SAMPLE NITROGEN PURITY AT TEST PORT	
STEP	DESCRIPTION
1	Power ON Nitrogen Analyzer (Model NA-2)
2	Calibrate Nitrogen Analyzer using self-calibration features
3	Attach Nitrogen Analyzer to N2 PURITY TEST PORT
4	Read nitrogen concentration on Nitrogen Analyzer
5	Detach Nitrogen Analyzer from N2 PURITY TEST PORT

	TO SERVICE FILTERS
STEP	DESCRIPTION
1	Position all valves to BYPASS POSITION per VALVES table
2	Move SHUTOFF VALVE (4) to the CLOSED position
3	Vent pressure using VENT VALVE (3) until pressure gauge A reads ZERO
4	Perform filter service per instructions
5	Return all valves to the NORMAL POSITION per VALVES table

FOR MORE INFORMATION

For more detailed information, refer to Manul P/N 30-NPMICM-0G2. Manual is available on our website; www.unitedfiresystems.com

UNITED Fire Systems

Division of United Fire Protection Corporation

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