**A.** **DRY & PRE-ACTION SPRINKLER SYSTEM: LUBRICATED AIR COMPRESSORS**

Dry-Sprinkler System Lubricated Air Compressor:

Basis-of-Design Product: Subject to compliance with requirements, provide General Air Products, Inc.; [**L Series**] Base Mounted or [**LT Series**] Tank Mounted Lubricated Air Compressor:

Description: Electric-motor-driven, oil-lubricated compressor with steel enclosure, and capability to fill sprinkler systems up to 2500 gal (9464 L) in size to supervisory pressure within 30 minutes.

Capacities and Characteristics:

Sprinkler System Capacity: <**Insert volume**>.

Standard-Air Capacity of Compressor: <**Insert value**> scfm (L/s) free air.

Supervisory Pressure: <**Insert value**> psig (kPa).

Motor Horsepower: <**Insert value**>.

Electrical Characteristics:

Volts: <**Insert value**>.

Phase(s): [**Single**] [**Three**].

Hertz: [**60**] [**50**].

Full-Load Amperes: <**Insert value**>.

Minimum Circuit Ampacity: <**Insert value**>.

Maximum Overcurrent Protection: <**Insert amperage**>.

Included Components:

Multivoltage motor.

Single-stage air-cooled pump.

UL 508 Pressure Switch

Enclosed belt guard.

Pressure relief valve.

Air intake filters.

Stainless steel flex hose with 1/2-inch NPT union.

Vibration isolators.

* + - * 1. **DRY & PRE-ACTION SPRINKLER SYSTEM: AIR COMPRESSOR ACCESSORIES**

Air-Pressure Maintenance Device:

Basis-of-Design Product: Subject to compliance with requirements, provide: [**Model: AMD-1**]

Standard: UL 260A and FM 1032.

Type: Automatic device to maintain minimum air pressure in piping.

Include shutoff valves to permit servicing without shutting down sprinkler piping, bypass valve for quick filling, pressure regulator to maintain pressure, strainer, pressure ratings with 14- to 60-psig (95- to 410-kPa) adjustable range, and [**175-psig (1200-kPa)**] maximum operating pressure.

Vapor phase Corrosion Inhibitor (VpCI®) system to serve dry sprinkler zones for piping corrosion mitigation.

Basis-of-Design Product: Subject to compliance with requirements, provide [**Vapor Pipe Shield**].

Description: Vapor phase Corrosion Inhibitor (VpCI®) delivery system for dry or pre-action fire sprinkler system providing corrosion protection within sprinkler system piping network. Pneumatic and mechanical device that requires no electricity.

Standard: UL 2901B

Capacities and Characteristics:

Total Sprinkler System Capacity: <**Insert volume**> **gal.(l)**.

Largest Single System Capacity <**Insert volume**> **gal.(l)**.

Shall include shutoff valve to permit servicing without shutting down sprinkler system.

Maximum Operating Pressure: [**150-psig(1030-kPa)**]

Operating Temperature Range: [**40°F(4°C)** - **150°F(65°C)**]

*All installation and service work shall be designed, installed, inspected, tested and maintained in accordance with all applicable codes, referenced standards, drawings, documents, the manufacturer's instructions and the provisions of this specification.*

1. NFPA 13, Standard for installation of Sprinkler Systems
2. NFPA 25, Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems

*General Air Products shall provide technical support during design, installation and over the entire life of the fire protection air compressor.*