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

Dry-Sprinkler System Oil-Less Air Compressor:

Basis-of-Design Product: Subject to compliance with requirements, provide General Air Products, Inc.; [**OLR Series**] Riser Mount or [**OLT Series**] Tank Mounted Oil-Less Air Compressor:

Standard: UL 1450 -VDUR

Description: Electric-motor-driven, oil-less piston compressor with fully automatic direct drive and capability to fill sprinkler systems up to 1225 gal (4637 L) in size to 40 psi (276 kPa) within 30 minutes.

Capacities and Characteristics:

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

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

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

Pressure Setting:

Standard pressure (pre-set for 40 psi (276 kPa) off) **\_\_**.

Low pressure (pre-set for 18 psi (124 kPa) off) **\_\_**.

High pressure (pre-set for 100 psi (689 kPa) off) **\_\_**.

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:

Permanently lubricated bearings.

UL 508 Pressure Switch.

Check valve.

Pressure relief valve.

Air intake filters.

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

Riser mounting kit (OLR Series).

Vibration isolators (OLT Series).

* + - * 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.*