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

Dry-Sprinkler System Oil-Less Air Compressor:

Retain "Basis-of-Design Product" Subparagraph and list of manufacturers below to require a specific product or a comparable product from manufacturers listed.

General Air Products, Inc. OL Plus Series is riser mounted; OLT Plus Series is tank mounted. The OLT Plus Series requires an air maintenance device (Model AMD-1) per NFPA 13.

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

Standard: UL's "Fire Protection Equipment Directory"

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 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.

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

Pressure Setting:

Low pressure is only available on General Air Products OL Plus Series.

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)) **\_\_**.

Motor characteristics, such as NEMA designation, temperature rating, service factor, enclosure type, and efficiency, are specified in Section 210513 "Common Motor Requirements for Fire Suppression Equipment." If different characteristics are required, insert subparagraphs below to suit Project.

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**>.

General Air Products OL Plus and OLT Plus Series air compressors come standard with the accessories listed below.

Included Components:

Permanently lubricated bearings.

Preset pressure switch.

Check valve.

Pressure relief valve.

Air intake filters.

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

The riser mounting kit is only available on General Air Products OL Plus Series.

Riser mounting kit (OL Series).

Vibration isolators (OLT Series).

Air Compressor System Accessories:

Air-Pressure Maintenance Device:

Basis-of-Design Product: Subject to compliance with requirements, provide General Air Products, Inc.; [**Model: AMD-1**]

Standard: UL 260 and FM’s "Approval Guide."

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.

*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.*