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

Dry-Sprinkler System QUIET Oil-Less Air Compressor:

General Air Products, Inc. Q Series is available in riser mounted or tank mounted.

Basis-of-Design Product: Subject to compliance with requirements, provide General Air Products, Inc.; **Q Series Fire Protection Air Compressor**

Description: Electric-motor-driven, oil-less piston compressor with decibel rating at or below 62dBA and capability to fill sprinkler systems up to 500 gal (1893 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 characteristics, such as NEMA designation, temperature rating, service factor, enclosure type, and efficiency, are specified in MasterSpec 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.

Hertz: 60.

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

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

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

General Air Products Q Series air compressors come standard with the accessories listed below.

Included Components:

Permanently lubricated bearings.

UL 508 Certified Digital pressure switch.

Automatic direct drive.

Check valve.

Pressure relief valve.

Air intake filters.

Stainless steel flex hose.

Riser mounting kit. (Riser Mount Units only)

Vibration isolators. (Tank Mount Units only)

* + - * 1. 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**]

Standards: UL 260 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.

*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.*