**DRY-SPRINKLER SYSTEM: DRY AIR GENERATOR**

* + - * 1. Dry-Sprinkler System Air Compressor/Dryer Package to serve dry sprinkler zones.

Basis-of-Design Product: Subject to compliance with requirements, provide General Air Products, Inc.; **[DAP Series] Dry Air Pac®.**

Standard: FM Approval's "Approval Guide."

Description: Electric-motor-driven, twin tower regenerative dryer/compressor package with -40 deg F (-40 deg C) dew point standard and capability to fill sprinkler systems up to 2000 gal (7571 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 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 DAP Series air compressors come standard with the accessories listed below.

Included Components:

Air-cooled aftercooler.

Multivoltage motor.

Single-stage air-cooled pump.

Steel enclosure.

Pressure relief valve.

Check valves.

Air intake filters.

Afterfilter.

Regulator.

Automatic electronic drain valve.

Integrated control panel.

PLC timer.

Pressure gauges.

Magnetic line starter.

Vibration isolators

Air maintenance devise.

* + - * 1. Intergrated Air-Pressure Maintenance Device:

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

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 Dry Air Pac®.*