

AP6 II Flame Spray System

GENERAL DESCRIPTION



The AP6 II is a production thermal spray gun, which offers dense, uniform coating properties. It is the lowest priced, general purpose production system on the market. It is reliable and rugged.

Several coating materials can be fused, using a post-spraying torch or oven technique, and result in a beautiful homogenous, or near homogenous, blending of the coating and substrate (work piece) material. In some instances, fused coatings are impossible with the plasma spray process.

Coating operational costs are lower with the AP6 II Flame Spray system. It does not have large power requirements, or need exotic gases to operate. The most common process gases for the AP6 II system are Oxygen and a fuel gas of either Acetylene or Hydrogen. The AP6 II gun has no moving parts, which require frequent maintenance or replacement. This will save in maintenance costs and the costs of down time. A powder thermal spray system offers a much wider variety of available coating materials when compared to a wire spraying system

A6PII GUN FEATURES:

Gun Body	Lightweight aluminum block
Powder Switch	Dust tight push on / push off contact switch
Nozzle	Multiple choice high performance designs
Gas Valve	Off, Light and Run setting, rotary valve
Siphon Plug	“Sure Seal” o-ring design
Check valve	Back pressure safety valve

This gun will handle metal, ceramic, cermet and exothermic powders. It will produce coatings faster than any other comparable flame spray gun. The deposit efficiencies are very high. Only a trace amount of the powder is lost, by being blown away, or vaporized. Another advantage is the density of the sprayed coatings, which permits better finishes, and less final finishing.

The type AP6 II will spray coatings that are later fused, or coatings used “as-is”, with high efficiency. Also, the gas head construction makes the gun resistant to backfire. The AP6 II is designed for either hand-held or machine mounted operation. A rugged tool post fixture is supplied with each gun, to permit mounting on a lathe, or other traversing mechanism.

AP6 II POWDER FEEDER

Features:



This powder feeder is extremely accurate. The control panel has a digital display of the powder feed wheel RPM. It is compatible with all Powder Spray applications, including combustion powder spray, plasma spray, and high velocity powder spray.

It is suitable for job shop, research, or production work. It includes a pressure gauge and a flow meter, for the carrier gas, and an ON/OFF switch for powder feed.

For safety, a pressure relief valve is provided on the powder canister.

Powder Canister Capacity.....45 cubic inches
Powder Wheel RPM.....5 to 15 (step less)
Electric Supply.....110v AC (USA)
Powder Hose Length.....10 feet
Net Weight.....74 pounds

This powder feeder is supplied with the electrical cable and powder hose, to connect to the gun.

SYSTEM QUOTATION

System Contents

A6P11	Gun with standard spares
A6P11	Powder Feeder
A6P11-ACU	Air Control Unit
A6P11-AF	Air Flow Meter
A6P11-GF2	Gas Flow Meter Assembly
A6P11-G3	Gas Control Meter Set (2) Pressure Regulators for both Oxygen & Fuel Gas
H-50	Hose Connection Kit

Shipment is about two weeks. F.O.B., Cincinnati, Ohio USA

Web Site: <http://www.aflame.com/>