



WIRE FLAMEJET

Single Wire Flame Spray System

Dura-Metal[®] 

WIRE FLAMEJET SINGLE WIRE FLAME SPRAY SYSTEM INTRODUCTION

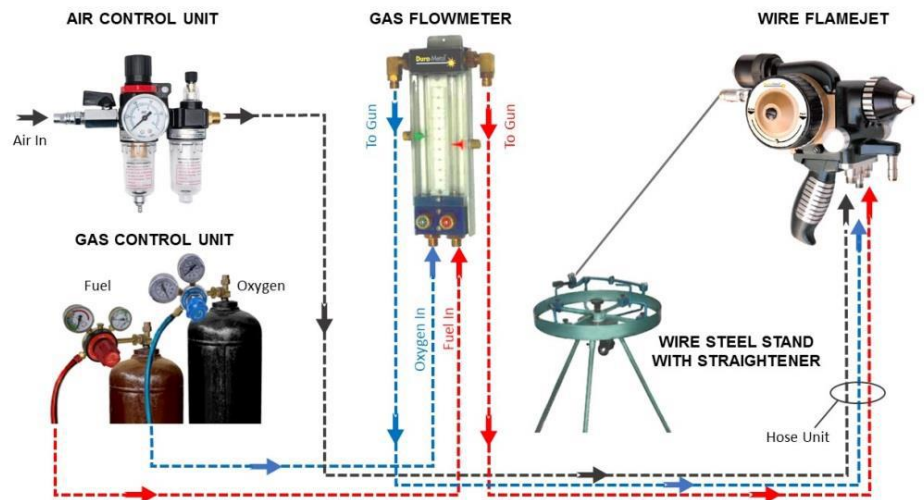
Wire Flamejet is a robust and user-friendly wire metal spray system use for spraying both ferrous and non-ferrous material. The wire is fed into the front torch through an air-driven turbine. Fuel gas like acetylene, LPG, or Propane and oxygen is properly and safely mixed in the siphon plug head assembly which in turn provides a combustible heat source. The molten metal is atomized and propelled by means of compressed air in the form of fine metal spray for coating on job surfaces. The system is generally suitable for all metals and metal alloys in wire form for spray coating i.e. Zinc, Copper, Aluminium brass, Bronze, Steel, Stainless Steel, Molybdenum, Nickel Alloy, etc. The key application includes restoring worn-out components, conductivity, and anti-corrosion coating.

COMPLETE SYSTEM

1. Wire flame spray torch
2. Gas flowmeter
3. Gas control unit
4. Air control unit
5. Wire reel stand with a straightener
6. Hose unit

Optional items

7. Extension nozzle
8. Trolley with reel stand



TECHNICAL DATA

Wire Drive	Air turbine	
Wire Size (mm)	3.2 or 4.8	
Air Consumption	0.8 Cu. Mtr./Min. at 4.5 kg/Cm ²	
Net Weight (kg)	2.65 (Torch), 9.50 (Complete system)	
Approx. Spray Rates	Steel (kg/hr)	Zinc (kg/hr)
With 3.17 mm wire	5	14
With 4.75 mm wire	8	28

PNEUMATIC WIRE FLAME SPRAY SYSTEM

WIRE FLAMEJET-PM

A robust pneumatic version of the system mainly used for onsite sensitive applications like shipbuilding where electrical and electronic items are prohibited on board during operation.



For application specific guidance on proper spraying procedures and parameters, please contact us at tech.support@durametal-alloy.com