

THERMAL SPRAY SYSTEMS

HV 80 HVOF Spray System for Liquid Fuel Operation

The HV 80 HVOF Spray System for liquid fuel operation is a maintenance and operation friendly coating system. It is perfectly suited for job-shops and high volume production applications requiring a high degree of flexibility and repeatability for reasonable costs.

Main Features

- Operator friendly and rugged design with low maintenance requirement
- Manually controlled process media (kerosene & oxygen) with industrially proved flow tube meters
- Any stand-alone HVOF version powder feeder adaptable; On/off controlled by the HV 80 control module
- Capable of being integrated with further existing components from the customer
- Full and extended safety diagnostic system
- Pre-flow buttons to set the required oxygen gas and kerosene fuel flows
- Monitoring of gas and fuel supply pressures
- PLC controlled (industrial standard type) to provide reliability and system stability
- Full overview of parameters at a glance, including system status & settings, cooling water temperature, operation hours and ignition counter
- Using Nitrogen as a purge gas in case of flame out



The HV 80 HVOF spray system consists of the following components:

- HV 80 control module for liquid fuel operation
- Powder feed system: single or twin type
- JP5000 HVOF spray gun for liquid fuel operation (other HVOF guns are available on request)
- Full set of cables and hoses

Water cooling systems are available from AMT to be integrated into the HVOF spray system for gun cooling.

Technical Data AMT HV 80

- Power supply voltage 3 x 400V @ 50Hz
- Oxygen O2 24 - 1'200 l/min
- Kerosene .1-35 kg/h
- Air/N2 selection for carrier gas / N2 to purge the O2 line for stop sequence
- Air for cooling and pre flow gun chamber during ignition.
- All components according to European CE regulations



Type JP5000 HVOF Spray Gun

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