



FUSEJET PLUS

Powder Welding Torch



A COMPACT & LIGHT WEIGHT POWDER WELDING TORCH FOR ONE STEP SPRAY AND FUSE OF VARIOUS METALLIC AND CARBIDE BLEND MATERIALS.

The Fusejet PLUS powder welding torch is a robust and user-friendly manual powder welding system. Deposits can be precisely applied with a high degree of welder control. It is also applicable in delivering coating on larger parts when use with a custom designed extension assembly and tungsten carbide tip that enable high powder deposit to substrate. Fusejet PLUS offers high grade coatings to protect against abrasion, corrosion, erosion and cavitation.

Fusejet PLUS torch offers an even more comfortable handling by the integrated quick-action shut-off valve. When operation is interrupted, the gas mixture, which was adjusted previously, is maintained. Therefore, it is not necessary to spend any time re-adjusting the mixture when setting up the re-operation. This is advantageous for applications with frequent interruptions of work.

Self-fluxing metal powder (Nickel & Cobalt Alloy, Tungsten Carbide Blend) are sprayed and melted into the surface by a gas / oxygen flame to attain coating hardness ranging from 25-65 HRC.

The following basic materials can be coated:

Stainless Steel, Grey Iron, Spherpheroidas Graphite Iron, Annealed Cast Iron and Alloy Steel

KEY FEATURES

- Modular design
- High level of operational safety
- Easy fit welding / heating attachments
- Powder cartridges reduce set-up time
- Easy to change in the field of application
- Easy usage for difficult to reach components
- Tungsten Carbide inserts available (optional)
- Accessories are easy to fit and to adjust
- Cost efficient operating materials (Acetylene, Oxygen)
- Quick action couplings & safety devices for the gas hoses
- Hose packages and Pressure regulators (optional)
- Quick action Gas On / Off shut-off capability at handle
- Cost efficient by using standard components and spare parts
- Extension assembly with C5 or C6 tungsten carbide tip for high powder deposition rate (optional)



Options: Safety devices, Hose packages and Pressure regulators

FUSEJET PLUS POWDER WELDING SYSTEM

Part Number	Description
5000-0097	Fusejet PLUS Powder spray torch kit complete, G3/8LH-G3/8RH includes: <ul style="list-style-type: none"> - Fusejet PLUS torch with an assembled powder cartridge - welding insert sizes 1 - 5 - heating insert sizes 4 and 5 - Universal – jaw wrench - O-Ring set
1414-0004	Welding/spray insert size 1
1414-0005	Welding/spray insert size 2
1414-0006	Welding/spray insert size 3
1414-0007	Welding/spray insert size 4
1414-0003	Welding/spray insert size 5
1414-0008	Heating insert Variobond size 4-A
1414-0001	Heating insert Variobond size 5-A
1408-0007	Torch Fusejet PLUS, connectors G3/8LH - G1/4RH
1120-0016	Heating shield
3000-0188	DKG G3/8LH Coupling EN 561-F Fuel gas
3000-0068	DKG G3/8RH Coupling EN 561-O Oxygen
0069-4002	Coupling pin D1 G3/8LH EN 561-F Fuel gas
0069-4007	Coupling pin D1 G3/8RH EN 561-O Oxygen
7440-0601	O-Ring 11,1 x 1,78
7730-0009	Universal jaw wrench for welding/ heating inserts



Optional Accessories:

Part Number	Description
1014-0045	Tungsten carbide insert for tip no. 2
1014-0046	Tungsten carbide insert for tip no. 3
1014-0047	Tungsten carbide insert for tip no. 4
1014-0048	Tungsten carbide insert for tip no. 5
1014-0049	Tungsten carbide insert for tip no. 6
0181-0182	Hose package AHPMY-O 5m G3/8LH-G1/4RH
3000-0064	DGN G3/8LH Flashback Arrestor EN 730 NV FA TV
3000-0065	DGN G1/4RH Flashback Arrestor EN 730 NV FA TV
6454-0068	FD89R Regulator Acetylene 1,5bar ISO2503
6454-0065	FD89R Regulator Oxygen 10 bar DIN8546

Part Number	Description
1414-0034	Welding/Spray WC C5 or C6 Tip Extension Assembly with Heat Sink



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