



Pistol Grip MIG Guns

Water-Cooled Semi-Automatic

D/F MACHINE SPECIALTIES
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WATER-COOLED MIG PISTOL GRIP GUNS

For decades the D/F Machine Specialties 500 amp Water-Cooled Semi Automatic MIG Pistol Grip Gun has been welding steel and aluminum trailers. This hand-held MIG torch is a rugged, all-purpose, water-cooled, manual welding torch designed to operate at welding currents up to 500 amperes continuous duty using all types of shielding gases. The torch utilizes a pistol grip design for convenient start-stop welding control and easy handling, and its in-line type construction allows all service lines to enter through the rear of the torch. The D/F pistol is intended for use with all wire feeders that have provision for water-cooling, and it will handle all types of wire from .035" diameter through 1/8" flux cored wire, and 3/64" through 3/32" aluminum wire.

To provide maximum resistance to the abuses of day to day service, the D/F pistol grip gun is of heavy duty construction with all metal parts well insulated from current carrying members. The in-line body and pistol grip handle allow the D/F pistol to be used in a variety of applications with easy maneuverability and comfortable operation. To facilitate maneuverability, all service lines are internally connected to the torch body and exit from the rear of the torch barrel. The torch can use either threaded contact tips or slip-in contact tips that are secured with a collet nut supplied with the torch. The contact tip can be quickly and easily replaced without removing the gas nozzle by loosening the collet nut a half turn with the collet wrench and removing the tip. Six water-cooled metal nozzles with different lengths and different inner and outer diameters are available for use with the D/F pistol for a wide range of applications from continuous fusion welding to spot welding. The water cooling requirements for the D/F pistol are described below.

Each D/F gun is fully assembled and ready to install. In order to make the installation complete, the code number, wire size and type, wire feeder make/model (Lincoln®, Miller®, TWECO®, ESAB®, EURO, etc.), and feeder adapter inlet as needed must be specified when ordering.

MODEL EXPLANATION

- NC-21 - Normal Duty, Water-Cooled Collet Action (Slip-In Tip)
- HT-21 - Heavy Duty, Water-Cooled Threaded Tip (CuCrZr)
- NC-21-A - Normal Duty, W/C Collet Action (Slip-In Tip) - Series A High Capacity
- HT-21-A - Heavy Duty, W/C Threaded Tip (CuCrZr) - Series A High Capacity

FEATURES

- Water-Cooled Inner Body and Nozzle
- Nozzle Length may be Extended by Either of Three (3) Different Length W/C Nozzle Assemblies
- NC-21S - Optional Directly Cooled Spot Nozzle
- Small Frontal Area for Hard-to-Reach Locations
- Standard and Quick-Disconnect Utilities Available
- Optional Curved Nozzle Kit

ORDERING INFORMATION (Hard & Cored Wire)

| DESCRIPTION | CODE NO. | | |
|--------------------------------|---------------|---------------|---------------|
| | 10 Ft. Casing | 12 Ft. Casing | 15 Ft. Casing |
| Model NC (Slip-In Tip) | | | |
| Short 3" Water-Cooled Nozzle | 11231 | 11236 | 11251 |
| *Inter. 4" Water-Cooled Nozzle | 11233 | 11237 | 11252 |
| Long 5" Water-Cooled Nozzle | 11234 | 11238 | 11253 |
| Model HT (Threaded Tip) | | | |
| Short 3" Water-Cooled Nozzle | 11261 | 11266 | 11271 |
| *Inter. 4" Water-Cooled Nozzle | 11262 | 11267 | 11272 |
| Long 5" Water-Cooled Nozzle | 11263 | 11268 | 11273 |

ORDERING INFORMATION (Aluminum Wire)

| DESCRIPTION | CODE NO. | | |
|------------------------------------------------|---------------|---------------|---------------|
| | 10 Ft. Casing | 12 Ft. Casing | 15 Ft. Casing |
| Model NC (Slip-In Tip) | | | |
| *Inter. 4" Water-Cooled Nozzle | 11286 | 11287 | 11288 |
| **High Capacity Inter. A4" Water-Cooled Nozzle | 11305 | 11306 | 11307 |

MODEL SPECIFICATIONS - CONTINUOUS DUTY CYCLE

| Model | Current Capacity | Length w/ 4" Nozzle | Weight (approx.) | Cooling Required | Recommended Wire Diameter Range | Instruction Manual |
|-----------------|------------------|---------------------|------------------|------------------|---------------------------------------|--------------------|
| NC-21 | 400 amps | 10.25" | 2.5 lbs. | 5 pints/min | .030"-1/8" Hard/Cored, 3/64"-3/32" AL | 163WP |
| HT-21 | 500 amps | 10.25" | 2.5 lbs. | 5 pints/min | | 163WP |
| NC-21-A/HT-21-A | 400/500 amps | 10.25" | 2.5 lbs. | 5 pints/min | | 161WP |



* Standard Size 4" Water-Cooled Nozzle Assembly for Aluminum & Steel



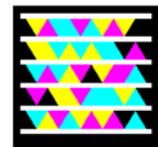
Optional Heat Shield D/F #14525



Curved Nozzle Kit D/F #13925



** Optional High Capacity A4" W/C Nozzle (1.445" O.D.) Gas Nozzle I.D. 11/16"-1"



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