

03800B RAILTECH HYDRAULIC PREHEATER

In the Thermite Welding industry, preheating the rail is a crucial operation and conducting a proper preheat is a major factor in determining the success or failure of a thermite weld. Its function lies in not only increasing temperature in the rail-ends and molds, but also the elimination of residual moisture.

Melting the rail-ends during preheat is unacceptable and jeopardizes the integrity of the weld, which can ultimately lead to fractures and weld failures. This is a major drawback to using the Oxy/Pro setup.

The Railtech Hydraulic Preheater is a compact, light weight and easy-to-use tool for heating the rail-ends before welding. It features a hydraulically driven blower and uses bottled Liquid Propane (LP). The Railtech Hydraulic Preheater utilizes Oxygen pulled in from the air, eliminating the need for bottled Oxygen. This Hydraulic Preheater ensures the rail-ends never melt during preheating with the QP Process and the torch safely extinguishes once removed from the molds. The Railtech Hydraulic Preheater is designed to be safe and economical to use for any welding crew.

The Preheater Complete Setup includes all the necessary tools to properly set up your welds using the hydraulic preheating process.



Hydraulic Torch setup



Inox Torch manifold with air gage

Preheater Complete Setup: 22900000
(includes all items listed below)

- Hydraulic Preheater Unit: 22500000
- Precision Torch Stand: 26110000
- Inox Burner Torch: 22600001
- 50" Air-Propane Hose: 22700000
- 20" Flex Hose: 22800000
- Spark Probe Ignitor: HP-SPI-1

FLOW

- 10 GPM (38 LPM)

PRESSURE

- 2000 PSI (140 BAR)
- 3600 RPM

DIMENSIONS

- 18" (45.7 CM)
- 16" (40.6 CM)
- 13½" (34.3 CM)

WEIGHT

- 83 LBS (37.6 KG)



RAILTECH 03800B HYDRAULIC PREHEATER PARTS (REPAIR)

| ITEM # | DESCRIPTION |
|------------|---|
| HP-PLUG | PLUG |
| HP-DB-1 | DRIVE BELT |
| HP-PT | PROPANE TEE |
| HP-14SEL | 1/4" STREET EL (BRASS) |
| HP-34SEL45 | 3/4" STREET EL (45°) |
| HP-FE-1 | AIR FILTER ELEMENT |
| HP-ACV | ADJUSTABLE CARTRIDGE VALVE |
| HP-SPI-1 | SPARK PROBE IGNITOR |
| HP-PSEB | PROPANE SWIVEL ELBOW w/ BUSHING |
| HP-AP50 | 50' AIR/PROPANE HOSE (3/4" AIR x 3/8" PROPANE) |

Please refer to the 03800B Hydraulic Preheater manual for parts lists, diagrams and part locations.

