

High Flow Preheater

Welding



The Pandrol High Flow Preheater (HFP) is a universal preheating system for use when welding on site. It has been designed to replace the need for most existing equipment currently used to raise the temperature of the parent steel before welding.

The HFP is fully automated for easier, more reliable operation: the ignition, timing and stop require no manual interference or flame adjustment. Unlike most existing preheating systems it uses propane/acetylene rather than oxygen, reducing costs and making the equipment light and easy to carry around on site. Compact and robust, it has been designed to withstand the most extreme track conditions.

→ TECHNICAL FEATURES

Tolerance to pressure adjustment

The preheat technology used by the HFP is less sensitive to pressure adjustment than oxy-propane. It provides a uniform preheat between the head and bottom of the rail.

Automation

The HFP is fully automated, with automatic ignition, built-in timer and automatic stop. No manual flame adjustment is required.

Pre-set timing

The built-in timer can be pre-set by the welder for accurate preheating time.

Use of propane

The HFP system operates with propane rather than oxygen, saving money and weight.

Single torch height

There is a single torch height for all welds and no adjustment is needed.

Compact and light

Its compact size (L: 740mm, W: 300mm, H: 295mm) and light weight (19kg) mean that the HFP is easy for just one person to carry and use on site.

→ ADVANTAGES

- The HFP's built-in timer increases accuracy, improving quality and reducing the defect rate of weld due to preheating.
- Providing a uniform preheat between the head and bottom of the rail reduces stress in the weld.
- There is no need to adjust the torch height, which saves time.
- As the system is fully automated it is easy to use. Less training is required and it is straightforward for new welders to learn to operate.
- The use of propane rather than oxygen results in significant cost and weight savings. The HFP is light for an individual to move around on site and its compact size means that it can fit between two Pandrol A-frames for track alignment set-up.
- Maintenance of the HFP is simple and can be managed locally.
- The HFP is a complete system that can be used to replace most existing preheating equipment.



→ COMPONENTS

1. HFP support mount
2. Quick connecting propane hose
3. Propane regulator
4. Electrical socket
5. Regulator instruction manual
6. Purge hose

→ FAST SET UP



- Plug in 230 VAC.



- Connect propane inlet.



- Adjust to 1 bar.

→ LEARN MORE



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