

What is Purging?

Why Purge?

How to Purge?

First the 'WHY PURGE?'

Preventing oxidation and thus avoiding ugly looking weld underbeads in tubes and pipes is easy when using inert gas purging. This simple procedure saves time and cost. Don't just take our word for it.

Consider the thoughts of expert fabricators:

Chicago Iron and Bridge Company, Chicago Illinois

"What an enormous saving in waiting time for our welders. Normally we wait several hours for our 30" stainless steel pipe joints to be purged but now, with HFT's specialist equipment, we can start welding in under 10 minutes".

Bechtel Corporation, San Francisco, California

"Weld quality has improved enormously since we started to use the professionally made Quick Purge dams. We have also seen dramatic time savings".

Now the 'WHAT IS PURGING?'

It's a way of using inert gas to stop oxidation and is most easily done by sealing the weld region using inflatable dams. Inflatable Purging System technology has advanced by leaps and bounds in the last few years with Huntingdon Fusion Techniques HFT® leading the way with highly innovative developments that help the welder produce sound weld joints quickly and free from the defects that arise due to oxidation in unprotected joints.

Finally, 'HOW TO PURGE?'

Look at these pictures – they paint a thousand words.

QuickPurge®

Inflatable Tube, Pipe and Pipeline Weld Purging System

- From 6" - 96" (150 mm - 2440 mm).
- Designed as fully integrated solutions.

Insert the uninflated system into the pipe.

When inert gas is admitted the dams will inflate and fill the purge volume. Once you see your bright, shiny, zero colour root, about room temperature disconnect the purge line and withdraw the system.



PurgElite®

Inflatable Tube and Pipe Weld Purging System

- Low profile valve.
- No metal fittings.
- Flexible though bends and elbows.
- From 1"- 24" (25 mm - 600 mm).



More information needed?

The following published White Papers indicate the depth of technical knowledge available at Huntingdon Fusion Techniques HFT®. We will supply these free detailed guidance notes on request.

- No 17 Why use Inert Gas Purging when welding...?
- No 21 Help with pristine weld purging of tubes
- No 25 Weld Purging Best Practice
- No 41 Orbital Weld Purging
- No 43 Principles of Tube and Pipe Weld Purging
- No 49 Weld Purging with Preheat
- No 55 Purge Gas for Duplex Steel Welding