

Ideal for 'Clean in Place' or 'Steam in Place' Welds

## PurgElite Tube and Pipe Purge Systems Purge Bladders Purging Dams

For many industries, such as food, semi-conductor, chemical, pharmaceutical, bio-ethanol as well as any others where hygienic, aseptic, 'Clean in Place' (CIP) or 'Steam in Place' (SIP) welds have to be made.

High Purity

Food, Dairy, Pharmaceutical, Beverages

All of the above mentioned industries use vast volumes of small diameter stainless steel tubing where Argweld® PurgElite® Tube and Pipe Weld Purging Systems will be valuable to help in providing optimum welding results when used in conjunction with the Company's PurgEye® range of Weld Purging Monitors.



Biochemical processes

PurgElite Tube and Pipe Purge Systems High Purity Welds Bioprocessing operations have continued to grow for 20 years controlling the risk of contamination.

This has pushed the demand for high-purity system design even beyond the boundaries of the pharmaceutical industry and has cascaded into industries that are typically unfamiliar with the need for system cleanability.

Amongst other applications, Argweld® PurgElite® Tube and Pipe Weld Purging Systems are designed for pristine Tube and Pipe Purging, (CIP) and (SIP) techniques as well as the Bio applications.

If the proper steps are not taken throughout the process, a proliferation of unwanted bacteria can devastate colonies of the desired bacteria, ruining the process.

The only segments of this process that would require high purity PurgElite Purge Bladders Purging Damspiping design concepts are those that handle the enzymes.

Argweld® PurgElite® Weld Purging Systems are particularly valuable for use in these emerging areas of High Purity Processes such as Bioethanol Processors and Biofuels Production.



## Nuclear

These new products from Huntingdon Fusion Techniques HFT® will be valuable for use with Nuclear Power Pipework particularly for repairing the inconel steam tubes in aging nuclear reactors that has been highlighted in the press recently following the problem in Japan and discoveries of potential leak areas in nuclear steam pipes elsewhere around the world.

In addition to their application in full size Nuclear Power Stations, the PurgElite® systems will be valuable in construction and repair of the massive volumes of small diameter tube and pipework in Nuclear Submarines and Nuclear Fuel re-processing facilities.

## Semi Conductor

Tubing and piping used throughout the semiconductor industry requires a degree of purity that is even higher even, than that required of the pharmaceutical, food-and-dairy industries

Semiconductor operations have a critical need to mitigate the potential for particulate contamination, which can be devastating to today's highly miniaturised electronic components.

Microscopic particles in semiconductor facilities, whether coming from equipment, tubing, or the various fluids used during the manufacture of silicon chips, can render the chip useless, or at the very least, out of specification.

So achieving acceptable, repeatable welds is a key element during the fabrication of high-purity piping systems.

These high-purity welds are accomplished most efficiently by means of a certified welding operator using an orbital welder and PurgElite® Tube and Pipe Purging Systems together with the PurgEye® range of Weld Purge Monitoring



instruments.

In addition, there is a myriad of other applications where stainless steel, titanium and nickel alloys require weld purging to this high degree of quality including offshore, aerospace, liquid natural gas and so on, where the PurgElite® Pipe Purging Systems will make a valuable contribution to saving time, saving gas and preventing errors, particularly when used in combination with the Company's Weld Purge Monitoring instruments, some of which that have data acquisition software for quality control procedures.

For larger diameters, Huntingdon Fusion Techniques HFT® manufactures its rugged Argweld® QuickPurge® Systems to suit diameters from 6 to 88 inch (152 to 2,235 mm).