

# Argweld® FLEXIBLE WELDING ENCLOSURES™



The **Argweld®** range of **Flexible Welding Enclosures™** has been designed for applications where a rigid chamber may not be economically viable or where space may be at a premium.

Typical applications include the occasional and production welding of titanium and nickel alloy components for the aerospace, medical and racing car industries and for the welding of stainless steel components to eliminate the expensive cleaning of discolouration.

Apart from the standard models, special enclosures are designed and manufactured to suit all applications. Experience is available of nuclear and chemical industry applications for the handling of a wide range of products and materials, as well as in the pipeline industry with clam shell models to fit on and off pipes.

## Standard Enclosures (mm)

Diameter:	920	1200	1530	1830
Side Height:	450	550	550	550
Overall Height:	550	800	800	800
Top Panel:	200	450	450	450

## SPECIFICATION

Each enclosure contains an argon entry port and an exhaust valve to vent displaced gas to atmosphere. Two pairs of sleeves and gloves are fitted to each enclosure and the glove ports are fitted with drawstrings to prevent the gloves and sleeves from blowing out and helping to reduce the risk of damage by passing objects or people.

The vertical sides of the enclosure are made from translucent plastic, while the top is constructed from an optically clear plastic to provide total visibility.

The plastic used for Argweld® Flexible Welding Enclosures™ is resistant against ultraviolet hardening and damage.

A standard entry zip is provided together with a service panel having feed-throughs for welding torch, earth cable, electrical wires for manipulators, etc and water cooling pipes should they be needed.

An additional feed-through is provided for a welding torch on the opposite side of the service panel, so that both left handed and right handed welders can work without having a long weld torch cable doubled up in front of them.

Each enclosure is provided with a repair kit to allow on site repairs in the event of accidental damage.

A standard posting port with purge gas hose entry port and vent is fitted to each model to allow small objects to be transferred into the enclosure without disturbing the quality of the purge environment. The standard port comprises a 600 mm long sleeve of 230 mm width when flat.

## OPTIONS

- Extra pairs of glove ports.
- Special lock for the purging port to maintain purge argon in the chamber.
- Other sizes and shapes are available as non standard items on special request

### **Note:**

*We do not supply the internal metal base plate, the internal purge line or the external stand to support the enclosure.*

## RECTANGULAR ENCLOSURES

Large Posting Ports (Ante Chambers).

Lengths of 900, 1200, 1500 and 1800 mm

3 sets of glove ports with sleeves and gloves.

These and other specials available on request.



## FAMILY RANGE OF WELD PURGE MONITORS®

### PurgEye® 100 IP65 Weld Purge Monitor®

The PurgEye®100 IP65 will accurately measure oxygen content down to 0.01% (100 ppm).

For accurate measurement of oxygen below 100 ppm) see below.



### PurgEye®300 Weld Purge Monitor®

For measuring 1,000 - 10 ppm O<sub>2</sub>. Switching facility for alarms. Data logging for QC documents.



### PurgEye®300 Nano

Low cost monitor for measuring from 1,000 - 10 ppm but with no data logging or alarm system.



### PurgEye®500 Weld Purge Monitor®

As per the PurgEye® 300 but with integral sample pump where free flow of exhaust gas may not be available.



### PurgEye®600 'All in one' Computerised Colour Touch Screen Weld Purge Monitor®

Large touch screen with USB memory stick download of all data logging information. Measures from Atmosphere down to 10 ppm. Complete with integral pump for sampling. High speed reaction time.



## HUNTINGDON FUSION TECHNIQUES ■ HFT

### Our Product Range:

Argweld® Inflatable Pipe Weld Purge Systems  
Argweld® PurgEye® Weld Purge Monitors® (100 to 600)  
Argweld® Water Soluble Weld Purge Film and Weld Purge Super Adhesive™  
Argweld® Weld Trailing Shields™  
Argweld® Weld Backing Tape™ & Weld Purge Tape™  
Argweld® Flexible Welding Enclosures™  
Argweld® Weld Purging Plugs™ & Orbital Welding Plugs  
Techweld™ MultiStrike® Tungsten Electrodes  
HFT Pipestoppers® Pipe Plugs & Stoppers, Nylon, Aluminium & Steel  
HFT Pipestoppers® Inflatable Stoppers

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