

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.

Enclosures are also designed for “Additive Manufacturing” applications where the melting source might be tig welding or laser.

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

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.

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 rugged and strong and 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.

WELD PURGE MONITORS®

PurgEye® 100 IP65 for oxygen levels from 20.94% to 0.01% (100 ppm).



PurgEye® 200 IP65 Hand Held with PurgeNet™ new battery powered with an Integral sampling pump to drag samples across the sensor at regular, predetermined intervals.



Measures down to 10 ppm oxygen.

This model is also sealed against the ingress of water and dust, up to IP65 standard.

PurgEye® 300 Nano low cost entry level model for 1000 to 10 ppm oxygen. There are no controls to operate.



PurgEye® 500 Desk with PurgeNet™ similar to the PurgEye® 300 Plus but with an integral pump to take samples of exhaust gas at regular time intervals to be set by the user. Measuring range 1,000 to 10 ppm oxygen.



PurgEye® 600 Touch Screen fully computerised colour model with wireless USB download of recorded data from 1000 ppm down to 10 ppm oxygen. Measuring range from atmosphere (20.94%) to 10 ppm oxygen.



PurgEye® 1000 Remote with PurgeNet™. The 10 ppm oxygen sensing head can monitor up to 1km away, providing immediate readings via the electronic cable.



PurgEye® 1500 Site IP68 with PurgeNet™. Specially designed to work on rugged construction sites with an indestructible case.



HUNTINGDON FUSION TECHNIQUES ■ HFT

Other HFT® Weld Purging Products

Argweld® Inflatable Tube Pipe & Pipeline Weld Purging Systems
Argweld® PurgEye® Weld Purge Monitors®
Argweld® Weld Purge Film® & Weld Purge Super Adhesive®
Argweld® Weld Backing Tape™ & Weld Purge Tape™
Argweld® Weld Trailing Shields®
Argweld® Flexible Welding Enclosures®
Argweld® Weld Purge Plugs™ & Orbital Welding Plugs
Techweld® MultiStrike® Tungsten Electrodes

Our HFT Pipestoppers® Division

Nylon, Aluminium, Steel and Rubber Pipe Plugs and Inflatable Stoppers