

# Argweld® Weld Purge Plugs™



## Orbital Welding Plug Kit



The Purge Plug Case for Orbital Welding has been designed specifically for Orbital Tube and Pipe welder users.

This kit contains the most common sizes of **Argweld® Weld Purge Plugs™** used for Orbital welding.

All plugs are manufactured in hygienic white nylon and are contained in a robust ABS storage and presentation case.

For welding of tubes and pipes made from stainless steels, titanium, nickel alloys and any other reactive materials, Weld Purge Plugs™ are available as single units or as kits for typical applications such as Orbital Welding

When complicated pipework systems have to be filled with inert gas, the Argweld® Weld Purge Plugs™ are a perfect low vapour pressure speciality product to seal all holes and orifices for quality internal purging.

Increasing use of internal inert gas purging for process and hygienic stainless steel pipework has called for additional dams which help operators achieve an air tight seal.

The Weld Purge Plugs™ offer a useful alternative for purging small bore pipework and can also be used for leak testing.

They can also be used for small or odd diameter pipes where purge systems or dam systems may not be available or practical.

When other pipe or tube weld purging systems or methods cannot be used to make a suitable barrier for weld purging the Argweld® Weld Purge Plugs™ may offer a satisfactory option.

### **TYPICAL PURGING APPLICATIONS INCLUDE:**

- For small or odd diameter pipes.
- For short lengths and stubs.
- Complicated, variable size assemblies.
- For use in the outlets of tee pieces, elbows or other fittings.

These plugs are also ideal for for leak testing operations.



### **FEATURES:**

- Made from engineering quality nylon.
- Shatter-proof.
- Easily cleaned.
- Will not rust or corrode.
- A patented slip washer inserted between the top plate and wing nut provides easy expansion and release.
- Larger sizes incorporate strengthening ribs to provide rigidity in use.
- Standard seals made from natural rubber.
- Optional higher temperature and chemically resistant seals available, made from nitrile and silicon rubber.

### **RIGIDITY:**

HFT® Nylon Plug plates do not flex or distort like other plastic plugs.

### **DEMOUNTABILITY:**

HFT® Nylon Plugs are demountable to allow cleaning and part replacement.

### **LEAK TIGHTNESS:**

The hollow shaft plugs (1½" to 6") have an "O" ring seal around the stem to ensure leak tightness.

### **FRICTION FREE WASHER:**

The hollow shaft plugs (1½" to 6") have a friction free washer between the wing nut and the top plate to enable easy tightening and loosening.

### **TEMPERATURE:**

The plugs can be used up to 75°C (167°F) continuously and 105°C (221°F) intermittently. With special high temperature seals they can be used continuously up to 120°C (248°F).



The HFT Pipestoppers® division of Huntingdon Fusion Techniques HFT® manufactures larger mechanical plugs and inflatable plugs and stoppers to suit all diameters of ports and pipes. These can be used to plug all holes, outlets and entries for weld purging or for sealing during purging or transportation to maintain an inert atmosphere.



1" BSP Nipple Cap



0.5" fixed Nipple Cap

## THE ORBITAL WELDING PURGE PLUG KIT™ INCLUDES

2 x 0.5"	Solid Shaft Blanking Plugs
2 x 0.75"	Solid Shaft Blanking Plugs
2 x 1.0"	Solid Shaft Blanking Plugs
2 x 1.25"	Solid Shaft Blanking Plugs
2 x 1.5"	Solid Shaft Blanking Plugs

2 x 0.5"	Hollow Shaft Small Bore Purge Plugs
2 x 0.75"	Hollow Shaft Small Bore Purge Plugs
2 x 1.0"	Hollow Shaft Small Bore Purge Plugs
2 x 1.25"	Hollow Shaft Small Bore Purge Plugs
2 x 1.5"	Hollow Shaft Small Bore Purge Plugs

2 x 1.5"	Hollow Shaft Large Bore Purge Plugs
2 x 2.0"	Hollow Shaft Large Bore Purge Plugs
2 x 2.5"	Hollow Shaft Large Bore Purge Plugs
2 x 3.0"	Hollow Shaft Large Bore Purge Plugs
2 x 4.0"	Hollow Shaft Large Bore Purge Plugs

All hollow shaft plugs are fitted with a rubber seal and blanking caps

4 x 0.5" BSP Nipple Caps  
4 x 0.5" BSP Swivel Nut and Hose Tail  
5 x Nipple Caps for Hollow Shaft Small Bore Purge Plugs

The Orbital Welding Purge Plug™ Kit is delivered in a tough ABS case with all components fitted snugly in pre-cut, easily identifiable places to ensure easy storage and repeat presentation.







#### The World standard **PurgEye® 100 IP65 Hand Held Weld Purge Monitor®**

- Push button 'Auto Calibration' feature at ambient (20.94%).
- Leak tight probe assembly.
- Low battery and low sensor indicator.
- Longer life sensor, 18 months approx.
- Quick connect/disconnect leaktight fittings for gas purge tubing.
- Tripod mount.

#### **Weld Purge Monitors® below have:**

- OLED screen with stunningly clear, bright figures and text.
- User settable, warning alarm levels, between 1 and 999 ppm.
- Reading from 1000ppm - 1ppm.
- Reads accurately to 10ppm.
- Audible alarm features to indicate low and high levels of oxygen.
- User port with two outputs to control welding equipment or activate alarms in the event of a rise in oxygen levels.
- Internal sampling pump with gas filtration (only models \*)
- USB lead included to control PurgeLog™ software, (except the Nano).
- PurgeLog™ data logging software\* included, (except the Nano).
- Leak tight fittings.
- Long life, faster response sensor.
- Internal alarm, (except the Nano).
- Quick fit and quick disconnect 'leak tight' purge tube fittings.
- No more wet cells to keep replacing and recalibrating.

#### **The PurgEye® 200 IP65 Hand Held with PurgeNet™ \***



- Battery or Mains.
- Flow detection for accurate reading of gas samples.

#### **The PurgEye® 300 Nano**



- Low cost, small, lightweight entry level 1ppm Monitor®.
- Mains only.

#### **The PurgEye® 300 Plus with PurgeNet™**



PurgeNet™ accessories are optional and include:

- Traffic Light, giving visual indications of low and high oxygen levels.
- Automatic welding system interface to control switch on/off according to oxygen levels.

#### **The PurgEye® 500 Desk with PurgeNet™ \***



PurgeNet™ accessories are optional and include:

- Reads PPM or Percentage.
- Traffic Light, giving visual indications of low and high oxygen levels.
- Automatic welding system interface to control switch on/off according to oxygen levels.

#### **The PurgEye® 600 Touch Screen \***



- Reads PPM or Percentage.
- Large touch screen with on-screen graph of the current weld.

#### **The PurgEye® 1000 Remote with PurgeNet™ \***



- Comes with a hand held display and a 10m lead as standard.
- Optional 100m reel of outdoor cable with locking connectors.
- Reels of extensions cable can be connected to make longer leads up to 1 km!
- Easy to pull through pipes.
- 1" Ø stainless sensor holder to place at the weld site inside pipes to send purge data to the monitor up to 1km away.

#### **The PurgEye® 1500 Site IP68 with PurgeNet™ \***



- IP65 rated with the lid open, IP68 with lid closed.
- Flow detection for accurate reading of gas samples.
- Power on / off with standby button for sensor warm up.

**PurgeNet™** controls the welding power sources such as orbital welders and any other automatic welding systems to switch on and off according to oxygen levels, transferring data easily with the ability to link to external devices.

## **HUNTINGDON FUSION TECHNIQUES ■ HFT**

#### **Other Products in our Range:**

Argweld® Inflatable Pipe Weld Purge Systems  
 Argweld® PurgEye® Weld Purge Monitors® (Models 100 to 1500)  
 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®  
 Techweld® MultiStrike® Tungsten Electrodes

#### **HFT Pipestoppers® Division:**

Nylon, Aluminium, Steel and Rubber Pipe Plugs and Inflatable Stoppers  
 Pipe Freezing Systems to produce ice plugs up to 10" Diameter