



I-Purge® Modular Inflatable Bladder System is the only CE approved and modular system for pipe purging. The patent-pending I-Purge® comes equipped with:

- Quick Connect Interchangeable Fittings for Rapid Assembly and Replacement
- A Kink Free, High Heat Harness Available In Extended Lengths to Accommodate Pre-heating and High Heat Applications
- Inert Gas Diffuser to Reduce Turbulence of Gas Flow within the Weld Zone

I-Purge® Isolator is an inflatable pipe stopper and single purge bladder. Accommodates a wide range of applications including pipe system servicing, cleaning, inspection and sealing. Available in sizes 2"- 48" (51-1219 mm) with 10' hose and valve.



I-Purge® Double Purge Bladder System with High Heat Harness
(Sold as a Complete System)

| ITEM NO. | DIMENSIONS | | STD. HARNESS LENGTH | |
|----------|------------|---------|---------------------|--------|
| | ENGLISH | METRIC | ENGLISH | METRIC |
| ABLD 2* | 2" | 51 mm | 11" | 279 mm |
| ABLD 3* | 3" | 76 mm | 11" | 279 mm |
| ABLD 4 | 4" | 102 mm | 11" | 279 mm |
| ABLD 5 | 5" | 127 mm | 11" | 279 mm |
| ABLD 6 | 6" | 152 mm | 11" | 279 mm |
| ABLD 8 | 8" | 203 mm | 11" | 279 mm |
| ABLD 10 | 10" | 254 mm | 12" | 305 mm |
| ABLD 12 | 12" | 305 mm | 12" | 305 mm |
| ABLD 14 | 14" | 356 mm | 16" | 406 mm |
| ABLD 16 | 16" | 406 mm | 16" | 406 mm |
| ABLD 18 | 18" | 457 mm | 16" | 406 mm |
| ABLD 20 | 20" | 508 mm | 18" | 457 mm |
| ABLD 22 | 22" | 559 mm | 18" | 457 mm |
| ABLD 24 | 24" | 610 mm | 18" | 457 mm |
| ABLD 26 | 26" | 660 mm | 20" | 509 mm |
| ABLD 28 | 28" | 711 mm | 20" | 509 mm |
| ABLD 30 | 30" | 762 mm | 20" | 509 mm |
| ABLD 32 | 32" | 813 mm | 20" | 509 mm |
| ABLD 34 | 34" | 864 mm | 20" | 509 mm |
| ABLD 36 | 36" | 914 mm | 20" | 509 mm |
| ABLD 38 | 38" | 965 mm | 24" | 610 mm |
| ABLD 40 | 40" | 1016 mm | 24" | 610 mm |
| ABLD 42 | 42" | 1066 mm | 24" | 610 mm |
| ABLD 44 | 44" | 1117 mm | 30" | 762 mm |
| ABLD 46 | 46" | 1168 mm | 30" | 762 mm |
| ABLD 48 | 48" | 1219 mm | 30" | 762 mm |

Custom Sizes Available Upon Request. Modular components (ABLD-Size MOD A and ABLD-Size MOD B) sold separately.
* Low profile relief valve. Diffuser not available.

MADE IN THE USA



aquasolwelding.com

PRODUCT LINE CARD



I-Purge®X Modular Expandable Bladder System

is a revolutionary, versatile design, equipped with the same features of the standard I-Purge® but offers the advantage of expanding to multiple sizes with a single unit. The proprietary **Bladder Expansion Technology (BET)** assures an airtight seal is maintained for multiple inflation dimensions, resulting in a high quality weld, free of oxidation, every time!

Extended Length High Heat Harness

| ITEM NO. | ENGLISH | METRIC |
|---|--|----------|
| ABLD-ELH-24 | 24" | 610 mm |
| ABLD-ELH-36 | 36" | 914 mm |
| ABLD-ELH-48 | 48" | 1219 mm |
| ABLD-ELH-72 | 72" | 1829 mm |
| ABLD-ELH-CUSTOM Available Upon Request | Any Size | Any Size |
| ABLD-CNADP | ¼" Female MPT to ¼" Female BSPP Conversion | |

| ITEM NO. | MINIMUM DIAMETER | | MAXIMUM DIAMETER | |
|-------------|------------------|--------|------------------|---------|
| | ENGLISH | METRIC | ENGLISH | METRIC |
| XABLD 2-3 | 2" | 51 mm | 3" | 76 mm |
| XABLD 4-6 | 4" | 102 mm | 6" | 152 mm |
| XABLD 8-12 | 8" | 203 mm | 12" | 305 mm |
| XABLD 14-18 | 14" | 356 mm | 18" | 457 mm |
| XABLD 20-26 | 20" | 509 mm | 26" | 660 mm |
| XABLD 28-36 | 28" | 711 mm | 36" | 914 mm |
| XABLD 38-48 | 38" | 965 mm | 48" | 1219 mm |

Modular components (ABLD-Size MOD A and ABLD-Size MOD B) sold separately.

WATER SOLUBLE PURGE FILM & ADHESIVE

LiquiFilm® is a water soluble plastic film used as a purge gas barrier during TIG welding. Highly flexible and transparent. Place 8"-12" from the weld joint on each side after applying water soluble adhesive to pipe. Brick format and adhesive sold separately. Kit format includes film wound on core plus two 250 ml bottles.

| ITEM NO. | DIMENSIONS | | CASE QTY. |
|-------------------|------------|---------------|-----------|
| | ENGLISH | METRIC | |
| AWSF-1/20RG Kit | 39' x 66' | 1 m x 20 m | 12 |
| AWSF-1/20B Brick | 39' x 66' | 1 m x 20 m | 12 |
| AWSG-500 Adhesive | 16 oz. | 500 ml/bottle | 24 |
| AWSG-250 Adhesive | 8 oz. | 250 ml/bottle | 48 |





AquaSol® Water Soluble Paper is made of sodium carboxy methyl, a cellulose and wooden pulp that dissolves rapidly and completely in most liquids including water. Can be used to dam argon or helium gases during tungsten inert gas (TIG) welding of steel or aluminum pipes. Environmentally friendly and non-toxic. AquaSol® Paper can be formed into any size purge dam when used in conjunction with water soluble tape.

| ITEM NO. | TYPE | DIMENSIONS: | | CASE QTY. |
|---------------|-------|----------------|---------------|-----------|
| | | ENGLISH | METRIC | |
| ASW-35/S-11RW | Sheet | 8 1/2" x 11" | 22 cm x 28 cm | 500 |
| ASW-35/S-14R | Sheet | 8 1/2" x 14" | 22 cm x 36 cm | 500 |
| ASW-35/S-22R | Sheet | 17" x 22" | 43 cm x 56 cm | 500 |
| ASW-60/S-22R | Sheet | 15 1/2" x 22" | 39 cm x 56 cm | 250 |
| ASW-35/R-15 | Roll | 15 1/2" x 165' | 39 cm x 50 m | 4 |
| ASW-35/R-9 | Roll | 9" x 165' | 23 cm x 50 m | 4 |
| ASW-40C/R-20 | Roll | 20 1/2" x 165' | 52 cm x 50 m | 4 |
| ASW-60/R-15 | Roll | 15 1/2" x 165' | 39 cm x 50 m | 4 |
| ASW-60/R-31 | Roll | 31" x 165' | 79 cm x 50 m | 4 |

AquaSol® Water Soluble Tape is a pressure sensitive water soluble tape recommended to hold purge dams in position, and when needed to splice two or more pieces of AquaSol® paper together. Sold in rolls.

| ITEM NO. | TYPE | DIMENSIONS | | CASE QTY. |
|----------|------|------------|---------------|-----------|
| | | ENGLISH | METRIC | |
| ASWT-1 | Roll | 1" x 300' | 2.5 cm x 92 m | 24 |
| ASWT-2 | Roll | 2" x 300' | 5.0 cm x 92 m | 12 |



US & Foreign Patents Issued & Pending

EZ Purge® is a pre-formed, self-adhesive, water soluble purge dam that enables welders to save time on weld preparation as well as improve project timeliness. Since EZ Purge® is pre-formed; there is no need to measure, cut or construct a purge dam. Setup and installation time is completed in minutes, making EZ Purge® the most efficient and economical purge dam available.

| ITEM NO. | DIMENSIONS | | CASE QTY. |
|----------|------------|--------|-----------|
| | ENGLISH | METRIC | |
| EZP-2 | 2" | 51 mm | 192 |
| EZP-3 | 3" | 76 mm | 192 |
| EZP-4 | 4" | 102 mm | 48 |
| EZP-5 | 5" | 128 mm | 48 |
| EZP-6 | 6" | 152 mm | 48 |
| EZP-8 | 8" | 203 mm | 48 |
| EZP-10 | 10" | 254 mm | 48 |
| EZP-12 | 12" | 305 mm | 48 |
| EZP-14 | 14" | 356 mm | 24 |
| EZP-16 | 16" | 406 mm | 24 |

| ITEM NO. | DIMENSIONS | | CASE QTY. |
|----------|------------|--------|-----------|
| | ENGLISH | METRIC | |
| EZP-18 | 18" | 457 mm | 24 |
| EZP-20 | 20" | 508 mm | 24 |
| EZP-22 | 22" | 559 mm | 24 |
| EZP-24 | 24" | 610 mm | 24 |
| EZP-26 | 26" | 660 mm | 24 |
| EZP-28 | 28" | 711 mm | 24 |
| EZP-30 | 30" | 765 mm | 24 |
| EZP-32 | 32" | 813 mm | 24 |
| EZP-36 | 36" | 918 mm | 24 |

Sizes 40-84" & Custom Sizes Available Upon Request

PRO OX®-100 Oxygen Monitor accurately measures concentration of oxygen in purged tubing and high purity weldments with 0.01% (100 ppm) resolution.

Features: A battery powered, rechargeable, programmable, handheld digital oxygen monitor with an internal pump. The state-of-the-art device is equipped with several features including an audiovisual alarm system; easy to read high-contrast, digital LCD display; data logging capability and data output to a computer for recording history. One Year Warranty.

Kit Contents: PRO OX-100® Monitor, Sensor and Polycarbonate Carrying Case; Ultra Slim Stainless Steel Probe with Neoprene Extension Tubing for Remote Monitoring, Rechargeable Battery & Charging Dock, Phillips Head Screwdriver, USB Cable, Manual and Quick Instructions.



| ITEM NO. | DESCRIPTION | DIMENSIONS | | WEIGHT | |
|------------------|---|---------------|--------------------------|---------|--------|
| | | ENGLISH | METRIC | ENGLISH | METRIC |
| P-OX KIT | PRO OX-100 Oxygen Monitor & Accessories Kit | 11" x 9" x 4" | 279 mm x 227 mm x 102 mm | 4.00 lb | 182 g |
| P-OX KIT Euro | PRO OX-100 Oxygen Monitor & Accessories Kit with European Charger | 11" x 9" x 4" | 279 mm x 227 mm x 102 mm | 4.00 lb | 182 g |
| P-OX Sensor | PRO OX-100 Oxygen Sensor | 1" x 1" | 21 mm x 20 mm | 0.03 lb | 16 g |
| P-OX Batt | PRO OX-100 9V NiMH Battery | 2" x 1" x 1" | 48 mm x 26 mm x 17 mm | 0.12 lb | 54 g |
| P-OX Charger/US | PRO OX-100 12V NiMH Battery Charger with US Type Plug | 3" x 2" x 1" | 8 mm x 60 mm x 25 mm | 0.10 lb | 59 g |
| P-OX Charger/EU | PRO OX-100 12V NiMH Battery Charger with European Type Plug | 3" x 2" x 1" | 8 mm x 60 mm x 25 mm | 0.10 lb | 59 g |
| P-OX Charger/PSE | PRO OX-100 12V NiMH Battery Charger with Japanese Type Plug | 3" x 2" x 1" | 8 mm x 60 mm x 25 mm | 0.10 lb | 59 g |
| P-OX USB | PRO OX-100 USB Cable (72" or 1.8 m) | 4" x 4" x 1" | 102 mm x 102 mm x 25 mm | 0.11 lb | 50 g |



US & Foreign Patents Pending

PURGE GAS RETAINING TAPE

EZ Zone® Tape is a purge gas retaining tape used to seal the root gap between pipes to trap argon gas. Composed of two adhesive sections separated by an adhesive-free center zone. The adhesive portion of the tape never comes in contact with the pipe as it is welded; creating a clean, contaminant-free weld. Halogen and chlorofluorocarbon free.

| ITEM NO. | DIMENSIONS | | ADHESIVE FREE ZONE | | CASE QTY. |
|-----------|------------|---------------|--------------------|--------|-----------|
| | ENGLISH | METRIC | ENGLISH | METRIC | |
| EZ-ZT 2.5 | 2.5" x 75' | 64 mm x 23 m | 1" | 25 mm | 18 |
| EZ-ZT 4.0 | 4.0" x 75' | 102 mm x 23 m | 2" | 51 mm | 12 |



EZ Tape® is a traditional aluminum tape that can be used for sealing the root gap while purging and sealing pipe ends for transport. Conventional uses include; sealing ducts for heating, air conditioning and refrigeration; and acting as an a vapor barrier. EZ Tape® is high temperature resistant, halogen-free and conforms to irregular surfaces.

| ITEM NO. | DIMENSIONS | | CASE QTY. |
|----------|------------|--------------|-----------|
| | ENGLISH | METRIC | |
| EZ-T 2.0 | 2" x 75' | 51 mm x 23 m | 24 |

BACKING TAPE

Fiback® fiberglass backing tape is a heat resistant aluminum tape with a woven fiberglass center strip, designed to eliminate or reduce the need for back purging and post weld grinding. Available in **200 AMP** & **600 AMP** formats.



| ITEM NO. | DIMENSIONS | | CASE QTY. |
|--------------|------------|-----------------|-----------|
| | ENGLISH | METRIC | |
| 200 AMP | | | |
| AFBT-2.5-200 | 2.5" x 82' | 64 mm x 25 m | 5 |
| AFBT-4.0-200 | 4.0" x 82' | 102 mm x 25 m | 5 |
| 600 AMP | | | |
| AFBT-2.5 | 2.5" x 41' | 64 mm x 12.5 m | 5 |
| AFBT-4.0 | 4.0" x 41' | 102 mm x 12.5 m | 5 |

SOLUGAP® WATER SOLUBLE SOCKET WELD SPACER RINGS AND STEELSPACE® CERTIFIED 316L STAINLESS STEEL SOCKET WELD RINGS

Provide the 1/16" (1.6 mm) minimum gap required by ANSI 31.1, Section III, ASME, US & Navy and Military Codes.

SoluGap® Water Soluble Socket Weld Spacer Rings are made of EPA Approved AquaSol® Water Soluble Board. Dissolves completely and rapidly in most liquids. Unique tabs secure placement regardless of orientation. Compatible with any metal.



US & Foreign Patents Issued & Pending

| ITEM NO. | PIPE SIZE | | PACKAGING |
|----------|-----------|--------|------------|
| | ENGLISH | METRIC | |
| SGP-0.5 | 1/2" | 20 mm | 50 pcs/bag |
| SGP-0.75 | 3/4" | 25 mm | 50 pcs/bag |
| SGP-1.0 | 1" | 32 mm | 50 pcs/bag |
| SGP-1.25 | 1 1/4" | 40 mm | 50 pcs/bag |

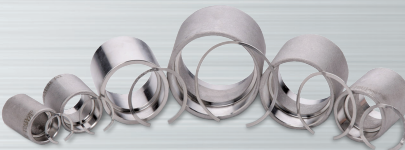
| ITEM NO. | PIPE SIZE | | PACKAGING |
|----------|-----------|--------|------------|
| | ENGLISH | METRIC | |
| SGP-1.50 | 1 1/2" | 50 mm | 50 pcs/bag |
| SGP-1.75 | 1 3/4" | 57 mm | 50 pcs/bag |
| SGP-2.0 | 2" | 63 mm | 50 pcs/bag |
| SGP-2.5 | 2 1/2" | 73 mm | 50 pcs/bag |

Also available in 1/8" thickness.

SteelSpace® Socket Weld Rings are traditionally designed and manufactured with Certified 316L stainless steel. Secures in place with spring tension and remains a permanent part of the joint.

| ITEM NO. | PIPE SIZE | | PACKAGING |
|----------|-----------|--------|------------|
| | ENGLISH | METRIC | |
| STS-0.5 | 1/2" | 20 mm | 25 pcs/bag |
| STS-0.75 | 3/4" | 25 mm | 25 pcs/bag |
| STS-1.0 | 1" | 32 mm | 25 pcs/bag |

| ITEM NO. | PIPE SIZE | | PACKAGING |
|----------|-----------|--------|------------|
| | ENGLISH | METRIC | |
| STS-1.25 | 1 1/4" | 40 mm | 25 pcs/bag |
| STS-1.50 | 1 1/2" | 50 mm | 25 pcs/bag |
| STS-2.0 | 2" | 63 mm | 25 pcs/bag |



SPACERS



SoluShim® Water Soluble Alignment Sticks provide and maintain a consistent and precise minimum gap between plates, flanges and pipes. Made of EPA Approved AquaSol® Water Soluble Board. Compatible with any metal.

| ITEM NO. | THICKNESS | | DIMENSIONS | | PACKAGING |
|-------------|-----------|--------|------------|----------------|-------------|
| | ENGLISH | METRIC | ENGLISH | METRIC | |
| SS-2-38-132 | 1/32" | 0.8 mm | 3/8" x 2" | 9 mm x 50.5 mm | 100 pcs/bag |
| SS-2-38-16 | 1/16" | 1.6 mm | 3/8" x 2" | 9 mm x 50.5 mm | 100 pcs/bag |
| SS-2-38-332 | 3/32" | 2.0 mm | 3/8" x 2" | 9 mm x 50.5 mm | 100 pcs/bag |
| SS-2-38-18 | 1/8" | 3.3 mm | 3/8" x 2" | 9 mm x 50.5 mm | 100 pcs/bag |
| SS-4-38-132 | 1/32" | 0.8 mm | 3/8" x 4" | 9 mm x 101 mm | 50 pcs/bag |
| SS-4-38-16 | 1/16" | 1.6 mm | 3/8" x 4" | 9 mm x 101 mm | 50 pcs/bag |
| SS-4-38-332 | 3/32" | 2.0 mm | 3/8" x 4" | 9 mm x 101 mm | 50 pcs/bag |
| SS-4-38-18 | 1/8" | 3.3 mm | 3/8" x 4" | 9 mm x 101 mm | 50 pcs/bag |