

Purge Dam Materials

Water Soluble Purge Dam Materials

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. After welding is complete, purge dams can be effortlessly dissolved and flushed out of the system with water; leaving no residue in the pipeline. The product is available in a variety of formats including sheets, rolls, pre-formed dams and pressure-sensitive tapes. Environmentally friendly and nontoxic.



Aquasol® Water Soluble Paper

Aquasol® Paper can be formed into any size purge dam when used in conjunction with water soluble tape. Position minimum of 6"-8" from root gap. Use heavyweight paper (ASW 60) for pipes having an inside diameter of 4" or greater.

Item No.	Type	English Size	Metric Size	Case Qty.
ASW-35/S-11	Sheet	8 1/2" x 11"	21.5 cm x 28 cm	500
ASW-35/S-14	Sheet	8 1/2" x 14"	21.5 cm x 35.5 cm	500
ASW-35/S-22	Sheet	17" x 22"	43 cm x 56 cm	500
ASW-35/R-15	Roll	15.5" x 165'	39.5 cm x 50 m	4
ASW-35/R-9	Roll	9" x 165'	23 cm x 50 m	4
ASW-40C/R-20	Roll	20.5" x 165'	52 cm x 50 m	4
ASW-60/S-22	Sheet	15.5" x 22"	39.5 cm x 56 cm	250
ASW-60/R-15	Roll	15.5" x 165'	39.5 cm x 50 m	4
ASW-60/R-31	Roll	31" x 165'	79 cm x 50 m	4

Aquasol® Tape

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	English Size	Metric Size	Case Qty.
ASWT-1	Roll	1" x 300'	2.5 cm x 91.5 m	24
ASWT-2	Roll	2" x 300'	5 cm x 91.5 m	12

Water Soluble Purge Film & Adhesive

LiquiFilm™

LiquiFilm™ is a water soluble plastic film used as a purge gas barrier during TIG welding. Like water soluble paper, LiquiFilm™ is an alternative to traditional purging systems. Highly flexible and transparent. Place 8"-12" from the weld joint on each side after applying water soluble adhesive to pipe.



Item No.	English Size	Metric Size	Case Qty.
AWSF-1/20B	39.4' x 65.6'	1 m x 20 m	12
AWSF-500	17 oz.	500 ml/bottle	24

Purge Dam Materials

EZ Purge®

The all new, patented 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. There is no need to buy separate inventories or carry heavy rolls and tools to the job site. The welder simply peels, inserts and presses the dam in place. Setup and installation time is completed in minutes, making EZ Purge® the most efficient and economical purge dam available.



Item No.	English Size	Metric Size	Case Qty.
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
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-28	28"	711 mm	24
EZP-30	30"	765 mm	24
EZP-32	32"	813 mm	24
EZP-36	36"	918 mm	24
EZP-40	40"	1016 mm	10
EZP-42	42"	1077 mm	10
EZP-44	44"	1118 mm	10
EZP-48	48"	1219 mm	10
EZP-52	52"	1321 mm	10
EZP-56	56"	1422 mm	10
EZP-64	64"	1626 mm	10
EZP-72	72"	1829 mm	10

Custom Sizes Available Upon Request

SoluGap™ Socket-Weld Spacer Rings

The specially engineered patent-pending design of SoluGap™ provides an even, pre-measured 1/16" minimum gap required by ANSI 31.1, Section III, ASME, US Navy & Military Codes. SoluGap™ has 3 tabbed edges designed to secure the spacer in place, even when the socket is placed sideways or upside down. Unlike metal spacers that must be inventoried in many varieties, SoluGap™ is made of Aquasol® Water Soluble Board, a material that is compatible with any metal. SoluGap™ dissolves completely and rapidly in most liquids.



Item No.	Pipe Size:	English	Metric	Case Qty.
SGP-0.5		1/2"	20 mm	50
SGP-0.75		3/4"	25 mm	50
SGP-1.0		1"	32 mm	50
SGP-1.25		1 1/4"	40 mm	50
SGP-1.50		1 1/2"	50 mm	50
SGP-2.0		2"	63 mm	50
SGP-2.5		2 1/2"	73 mm	50

Purge Gas Retaining Tape

EZ Zone® 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. EZ Zone® Tape is a 3 mil aluminum foil coated, high shear, high heat resistant, acrylic adhesive. Halogen and fluoro-carbon free.



Item No.	English Size	Metric Size	Adhesive Free Zone English / Metric	Case Qty.
EZ-ZT 2.5	2.5" x 75'	6.5 cm x 23 m	1" 2.5 cm	18
EZ-ZT 4.0	4" x 75'	10 cm x 23 m	2" 5 cm	12

EZ Tape®

EZ Tape® is a traditional aluminum tape for sealing the root gap while purging, pipe ends for transporting, ducts for heating, air conditioning and refrigeration; and acts as an excellent vapor barrier. EZ Tape® is high temperature resistant, halogen-free and conforms to irregular surfaces.



EZ Tape® is a 3 mil (75 microns thick) aluminum foil coated with a high shear, heat-resistant acrylic adhesive system.

Item No.	English Size	Metric Size	Case Qty.
EZ-T2.0	2" x 75'	5 cm x 23 m	24

Backing Tape

Fiback™

Fiberglass backing tape is heat resistant aluminum tape with woven fiberglass center strip, designed to eliminate or reduce the need for back purging and post weld grinding.



Item No.	English Size	Metric Size	Case Qty.
AFBT-2.5	2.5" x 41'	6.5 cm x 12.5 m	5
AFBT-4.0	4.0" x 41'	10 cm x 12.5 m	5

Oxygen Monitor

OX™-100

The OX™-100 is ideally suited for high purity welding where evacuation of oxygen is paramount. Prior to welding, the pipe will be pre-purged to displace oxygen with an inert gas. Constant monitoring of the oxygen level is necessary until it is ascertained that the oxygen has been evacuated to enable commencement of welding. The OX™-100 accurately measures low concentration of oxygen in purged tubing and high purity weldments.



The OX™-100 is a battery powered, handheld digital oxygen analyzer that is strong and compact enough to be carried in a pocket or toolbox as well as attached to a belt loop for hands free maneuvering. The internal pump of the OX™-100 draws a sample and the analyzer quickly provides an easy-to-read digital LED display of 0-25% oxygen with 0.1% (1000 ppm) resolution. The unit carries a 1 year warranty and a 6 month warranty on the sensor.

Item No.	English Size	Metric Size	Description	Case Qty
O2-100	5.5" x 3.5" x 1.5"	140 mm x 89 mm x 38 mm	O ₂ Monitor	1
O2-100S	1.5" x 2.5"	38 mm x 64 mm	O ₂ Sensor	1
O2-100F	0.5" x 0.75"	13 mm x 19 mm	Sponge Filter	1
O2-100L	4.0" x 6.0"	10 mm x 152 mm	Lead Pellets	1

Cleaning Wipes

EZ Wipes®

EZ Wipes® are multi-purpose, saturated, abrasive cleaning wipes that remove oil, dirt, grease, marker, some adhesives and loose particles from a variety of surfaces. Ideal for cleaning industrial work surfaces,

tools, machinery and especially pipes, where contamination can severely impact the quality of the weld. Features an 8" x 12" (20 cm x 30 cm) fabric, an abrasive side to loosen dried-on surface contaminants and a smooth side to reveal a cleaner, polished surface. Contains 30 wipes to a container.



Item No.	English Size	Metric Size	Case Qty.
EZW-30	14" x 11" x 10"	35.5 cm x 28 cm x 25.5 cm	12