



# HEAT RESISTANT PURGING SYSTEMS

Sizes: 3 to 80" (63 to 2044mm)

## Systems for the fast Purging of High Temperature Pipework

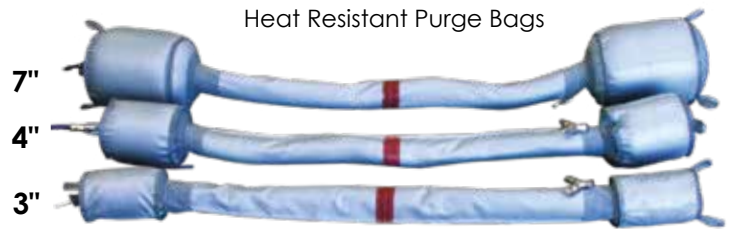
The TAG Pipe Purge Bag and Rapid Purge Systems are both available as heat resistant versions.

Designed for use when high temperatures will be encountered during the process of pipe welding; such as pre-heated pipework, and pipes where very high temperatures are required for welding.

These versions of our inflatable Pipe purging systems are heat resistant up to 350°C (572°F) for up to 24 hours, or up to 500°C for short periods of time, as with the standard systems, the heat resistant systems are available for all pipe diameters from 3 to 80" (75 to 2035mm).

Mirroring the features of the standard range of inflatable purging systems, the heat resistant range comes with a central band for rapid centering of the system to the weld root for the fastest set up times.

The welder can position these systems prior to pre-heating and leave them in place throughout the pre-heating, welding and post-heat treatment cycles, allowing the weld to be purged continuously for up to 24 hours if necessary.



e.g. 7" Pipe will purge in less than 4 minutes!

## Features and Advantages

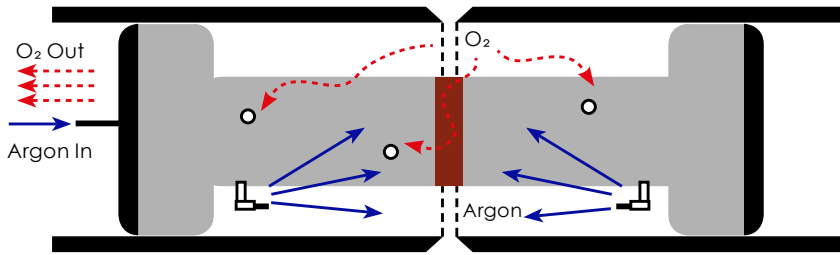
- Heat resistant up to 350°C (572°F) for up to 24 hours, or up to 500°C for short periods
- Available for all pipe diameters from 3 to 80" (63 to 2044mm)
- Designed to be flexible, for ease of insertion, use and withdrawal from pipes, bends, elbows etc. Suitable for 24 hour cycles including pre-heat, welding and post-weld heat treatment
- A central strip allows fast and accurate alignment of the system to the centre-point of the weld area
- Manufactured to Nuclear Quality Standards with nuclear approved materials, these systems guarantee bright, shiny, coke and oxide-free welds
- Designed and manufactured specifically for the power industry where high strength chrome alloy steels are more frequently used
- Ready to use, connects to a dedicated and regulated gas supply. Choose any flow rate (Purge Bags - up to 20l/min/Rapid Purge up to 80l/min) through the twin pre-set purge valve



Heat Resistant Rapid Purge  
e.g. 36" Pipe will purge in less than 10 minutes!

## How it works

Both the Heat Resistant TAG Pipe Purge System and the Heat Resistant Rapid Purge™ System work identically to the standard systems, but are made using a purposely designed Nomex and Kevlar mix material to withstand the temperatures typically encountered when welding exotic materials.



## Sizing and Specification

| PART NO. | DESCRIPTION                 | PRODUCT SIZES (MM / INCH) |     | EXPANSION RANGE (MM) | WEIGHT (KG) |
|----------|-----------------------------|---------------------------|-----|----------------------|-------------|
| PB03/HR  | Purge Bag Heat Resistant    | 75mm                      | 3"  | 63—75mm              | 1.1kg       |
| PB04/HR  | Purge Bag Heat Resistant    | 100mm                     | 4"  | 92—100mm             | 1.2kg       |
| PB05/HR  | Purge Bag Heat Resistant    | 125mm                     | 5"  | 113—125mm            | 1.25kg      |
| PB06/HR  | Purge Bag Heat Resistant    | 150mm                     | 6"  | 138—150mm            | 1.3kg       |
| PB07/HR  | Purge Bag Heat Resistant    | 175mm                     | 7"  | 163—175mm            | 1.4kg       |
| RP08/HR  | Rapid Purge™ Heat Resistant | 200mm                     | 8"  | 190—215mm            | 1.4kg       |
| RP10/HR  | Rapid Purge™ Heat Resistant | 250mm                     | 10" | 242—267mm            | 1.7kg       |
| RP12/HR  | Rapid Purge™ Heat Resistant | 300mm                     | 12" | 291—316mm            | 2.1kg       |
| RP14/HR  | Rapid Purge™ Heat Resistant | 350mm                     | 14" | 318—343mm            | 2.5kg       |
| RP16/HR  | Rapid Purge™ Heat Resistant | 400mm                     | 16" | 369—394mm            | 2.7kg       |
| RP18/HR  | Rapid Purge™ Heat Resistant | 450mm                     | 18" | 420—445mm            | 3.0kg       |
| RP20/HR  | Rapid Purge™ Heat Resistant | 500mm                     | 20" | 471—496mm            | 3.4kg       |
| RP22/HR  | Rapid Purge™ Heat Resistant | 550mm                     | 22" | 553—577mm            | 3.6kg       |
| RP24/HR  | Rapid Purge™ Heat Resistant | 600mm                     | 24" | 572—597mm            | 3.8kg       |
| RP26/HR  | Rapid Purge™ Heat Resistant | 650mm                     | 26" | 620—645mm            | 4.5kg       |
| RP28/HR  | Rapid Purge™ Heat Resistant | 700mm                     | 28" | 671—696mm            | 5.5kg       |
| RP30/HR  | Rapid Purge™ Heat Resistant | 750mm                     | 30" | 722—747mm            | 6.0kg       |
| RP32/HR  | Rapid Purge™ Heat Resistant | 800mm                     | 32" | 772—797mm            | 8.0kg       |
| RP36/HR  | Rapid Purge™ Heat Resistant | 900mm                     | 36" | 874—899mm            | 9.1kg       |
| RP40/HR  | Rapid Purge™ Heat Resistant | 1000mm                    | 40" | 990—1015mm           | 9.9kg       |
| RP42/HR  | Rapid Purge™ Heat Resistant | 1050mm                    | 42" | 1023—1048mm          | 13.2kg      |
| RP44/HR  | Rapid Purge™ Heat Resistant | 1100mm                    | 44" | 1125—1150mm          | 13.7kg      |
| RP48/HR  | Rapid Purge™ Heat Resistant | 1200mm                    | 48" | 1175—1200mm          | 15.0kg      |
| RP54/HR  | Rapid Purge™ Heat Resistant | 1371mm                    | 54" | 1359—1384mm          | 18.0kg      |
| RP60/HR  | Rapid Purge™ Heat Resistant | 1524mm                    | 60" | 1512—1537mm          | 20.0kg      |
| RP72/HR  | Rapid Purge™ Heat Resistant | 1828mm                    | 72" | 1816—1841mm          | 28.0kg      |
| RP80/HR  | Rapid Purge™ Heat Resistant | 2031mm                    | 80" | 2019—2044mm          | 30.0kg      |

\* Larger sizes and specials available on request