



# RAPID PURGE™ SYSTEM

Sizes: 8 - 80" (190 - 2044mm)



## Purge larger diameter pipes faster than ever!

Used for stainless, duplex, chrome steels, titanium, nickel and other alloy materials, the TAG Pipe Purge Bag System™ systems enable high speed welding of larger diameter pipe joints that have to be purged.

Designed to enable the user to produce high quality, reliable and repeatable welding of stainless steel tube and pipe joints to ensure a very fast weld purge time and a very high quality weld root, free from oxidation and discolouration.

A 36" diameter pipe will purge to below 0.1% oxygen in less than 10 minutes and all smaller pipes correspondingly faster.

Dramatic savings of time, gas and money can be made by using these systems.

Due to the quality of the materials used, the Rapid Purge™ systems can be used over and over again further reducing manufacturing costs.

As with all of the TAG Pipe Purge Bag System inflatable purging systems, the Rapid Purge™ come with pre-set valves, so are ready to use 'straight out of the box'.

Rapid Purge™ has been developed specifically to enable high speed purging for any pipe welding application.



## Features and Advantages

- **Typical purge times of less than 10 minutes!!!**
- The unique "thru-bore" design of the central sleeve minimises the area to be purged, dramatically reducing the volume of gas required
- Friction free coatings allow easy movement through pipes from one joint to another, even around bends and elbows
- Ready to use, connects to a dedicated and regulated gas supply. Choose any flow rate up to 80l/min. through the twin pre-set purge valve
- A central (glow in the dark) strip allows fast and accurate alignment of the system to the centre-point of the weld area
- The inflatable dams and imbelical hose are covered with a heat resistant material and insulated accordingly for use at temperatures up to 250°C



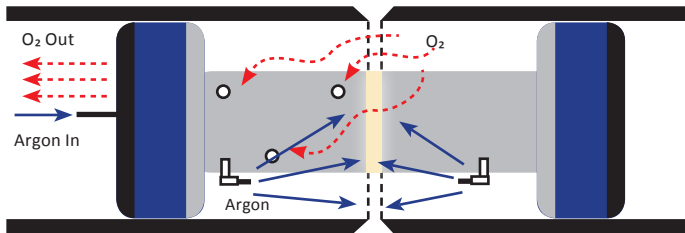
## How it works

The Rapid Purge™ Inflation Pipe Purging Systems for pipe and vessel purging comprises a tandem inflatable dam system connected by an umbilical hose and collar to reduce the volume being purged.

A gas exhaust valve is installed between the primary and secondary dam, along with an auxiliary argon purge line.

Each Rapid Purge™ System is covered with heat protective material, so that the higher temperatures closer to the weld do not damage the system.

The robust design of the Rapid Purge™ Inflation Pipe Weld Purging Systems allows for many years of repeatable trouble free use.



## Sizing and Specification

PART NO.	DESCRIPTION	PRODUCT SIZES (MM / INCH)		EXPANSION RANGE (MM)	WEIGHT (KG)
RP08	Rapid Purge™	200mm	8"	190 - 15mm	1.4kg
RP10	Rapid Purge™	250mm	10"	242 - 267mm	1.7kg
RP12	Rapid Purge™	300mm	12"	291 - 316mm	2.1kg
RP14	Rapid Purge™	350mm	14"	318 - 343mm	2.5kg
RP16	Rapid Purge™	400mm	16"	369 - 394mm	2.7kg
RP18	Rapid Purge™	450mm	18"	420 - 445mm	3.0kg
RP20	Rapid Purge™	500mm	20"	471 - 496mm	3.4kg
RP22	Rapid Purge™	550mm	22"	553 - 577mm	3.6kg
RP24	Rapid Purge™	600mm	24"	572 - 597mm	3.8kg
RP26	Rapid Purge™	650mm	26"	620 - 645mm	4.5kg
RP28	Rapid Purge™	700mm	28"	671 - 696mm	5.5kg
RP30	Rapid Purge™	750mm	30"	722 - 747mm	6.0kg
RP32	Rapid Purge™	800mm	32"	772 - 797mm	8.0kg
RP36	Rapid Purge™	900mm	36"	874 - 899mm	9.1kg
RP40	Rapid Purge™	1000mm	40"	990 - 1015mm	9.9kg
RP42	Rapid Purge™	1050mm	42"	1023 - 1048mm	13.2kg
RP44	Rapid Purge™	1100mm	44"	1125 - 1150mm	13.7kg
RP48	Rapid Purge™	1200mm	48"	1175 - 1200mm	15.0kg
RP54	Rapid Purge™	1371mm	54"	1359 - 1384mm	18.0kg
RP60	Rapid Purge™	1524mm	60"	1512 - 1537mm	20.0kg
RP72	Rapid Purge™	1828mm	72"	1816 - 1841mm	28.0kg
RP80	Rapid Purge™	2031mm	80"	2019 - 2044mm	30.0kg

\* Larger sizes and specials available on request



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