



# RAPID PURGE™ SYSTEM

Sizes: 8 - 80" (190 - 2,044 mm)



## Purge larger diameter pipes faster than ever!

Used for Stainless, duplex, chrome steels, titanium, nickel and other alloy materials, the PPM 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 discoloration.

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 PPM 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 minimizes 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 center-point of the weld area
- The inflatable dams and umbilical hose are covered with a heat resistant material and insulated accordingly for use at temperatures up to 250°C



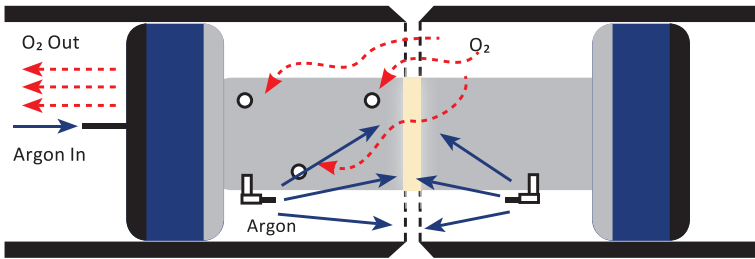
## How it works

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		EXPANSION RANGE	WEIGHT
RP08	Rapid Purge™	200 mm	8"	7.48" - 8.46" / 190 - 215 mm	3 lbs. / 1.4 kg
RP10	Rapid Purge™	250 mm	10"	9.52" - 10.51" / 242 - 267 mm	3 lbs. / 1.7 kg
RP12	Rapid Purge™	300 mm	12"	11.45" - 12.44" / 291 - 316 mm	4 lbs. / 2.1 kg
RP14	Rapid Purge™	350 mm	14"	12.51" - 13.50" / 318 - 343 mm	5 lbs. / 2.5 kg
RP16	Rapid Purge™	400 mm	16"	14.52" - 15.51" / 369 - 394 mm	5 lbs. / 2.7 kg
RP18	Rapid Purge™	450 mm	18"	16.53" - 17.51" / 420 - 445 mm	6 lbs. / 3 kg
RP20	Rapid Purge™	500 mm	20"	18.54" - 19.52" / 471 - 496 mm	7 lbs. / 3.4 kg
RP22	Rapid Purge™	550 mm	22"	21.77" - 22.71" / 553 - 577 mm	7 lbs. / 3.6 kg
RP24	Rapid Purge™	600 mm	24"	22.51" - 23.50" / 572 - 597 mm	8 lbs. / 3.8 kg
RP26	Rapid Purge™	650 mm	26"	24.40" - 25.39" / 620 - 645 mm	9 lbs. / 4.5 kg
RP28	Rapid Purge™	700 mm	28"	26.41" - 27.40" / 671 - 696 mm	12 lbs. / 5.5 kg
RP30	Rapid Purge™	750 mm	30"	28.42" - 29.40" / 722 - 747 mm	13 lbs. / 6 kg
RP32	Rapid Purge™	800 mm	32"	30.39" - 31.37" / 772 - 797 mm	17 lbs. / 8 kg
RP36	Rapid Purge™	900 mm	36"	34.40" - 35.39" / 874 - 899 mm	20 lbs. / 9.1 kg
RP40	Rapid Purge™	1,000 mm	40"	38.97" - 39.96" / 990 - 1,015 mm	21 lbs. / 9.9 kg
RP42	Rapid Purge™	1,050 mm	42"	40.27" - 41.25" / 1,023 - 1,048 mm	29 lbs. / 13.2 kg
RP44	Rapid Purge™	1,100 mm	44"	44.29" - 45.27" / 1,125 - 1,150 mm	30 lbs. / 13.7 kg
RP48	Rapid Purge™	1,200 mm	48"	46.25" - 47.24" / 1,175 - 1,200 mm	33 lbs. / 15 kg
RP54	Rapid Purge™	1,371 mm	54"	53.50" - 54.48" / 1,359 - 1,384 mm	39 lbs. / 18 kg
RP60	Rapid Purge™	1,524 mm	60"	59.52" - 60.51" / 1,512 - 1,537 mm	44 lbs. / 20 kg
RP72	Rapid Purge™	1,828 mm	72"	71.49" - 72.48" / 1,816 - 1,841 mm	61 lbs. / 28 kg
RP80	Rapid Purge™	2,032 mm	80"	79.48" - 80.47" / 2,019 - 2,044 mm	66 lbs. / 30 kg

*Larger sizes and specials available on request*