



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 Rapid Purge™ system enables high speed welding of larger diameter pipe joints that need to be purged.

The system is designed to enable the user to produce high quality, reliable and repeatable welding of stainless steel tube and pipe joints 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. Due to the quality of the materials used, the Rapid Purge™ system can be used over and over again, reducing manufacturing costs.

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

Features and advantages

- Dramatic savings of time, gas and money can be made by using these systems.
- **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 gas consumption
- 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 80 l/min through the twin pre-set purge valve
- A central luminous 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

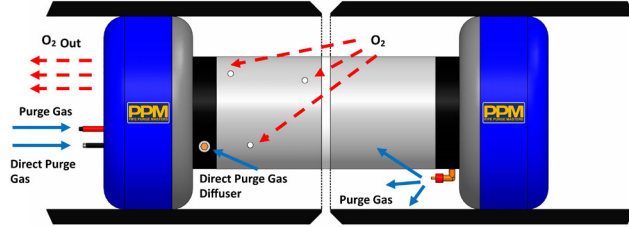


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How it works

The Rapid Purge™ system 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. This Rapid Purge™ system valve is pre-set, making it ready to use 'straight out of the box'. 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™ system allows for many years of repeatable trouble free use.



Sizing and specification

PART NO	DESCRIPTION	NOMINAL PIPE SIZE		INTERNAL DIAMETER RANGE (I/D)		WEIGHT (LBS. / KG)	
RP08	8" Rapid Purge system	200 mm	8"	7.09" - 8.45"	180 - 215 mm	3 lbs.	1.40 kg
RP10	10" Rapid Purge system	250 mm	10"	9.26" - 10.61"	235 - 270 mm	3 lbs.	1.70 kg
RP12	12" Rapid Purge system	300 mm	12"	11.03" - 12.39"	280 - 315 mm	4 lbs.	2.10 kg
RP14	14" Rapid Purge system	350 mm	14"	12.41" - 13.76"	315 - 350 mm	5 lbs.	2.50 kg
RP16	16" Rapid Purge system	400 mm	16"	14.38" - 15.73"	365 - 400 mm	5 lbs.	2.70 kg
RP18	18" Rapid Purge system	450 mm	18"	16.34" - 17.70"	415 - 450 mm	6 lbs.	3.00 kg
RP20	20" Rapid Purge system	500 mm	20"	18.31" - 19.67"	465 - 500 mm	7 lbs.	3.40 kg
RP22	22" Rapid Purge system	550 mm	22"	19.69" - 21.05"	500 - 535 mm	7 lbs.	3.60 kg
RP24	24" Rapid Purge system	600 mm	24"	22.45" - 23.80"	570 - 605 mm	8 lbs.	3.80 kg
RP26	26" Rapid Purge system	650 mm	26"	24.41" - 25.77"	620 - 655 mm	9 lbs.	4.50 kg
RP28	28" Rapid Purge system	700 mm	28"	26.38" - 27.74"	670 - 705 mm	12 lbs.	5.50 kg
RP30	30" Rapid Purge system	750 mm	30"	28.35" - 29.71"	720 - 755 mm	13 lbs.	6.00 kg
RP32	32" Rapid Purge system	800 mm	32"	30.32" - 31.68"	770 - 805 mm	18 lbs.	8.00 kg
RP34	34" Rapid Purge system	850 mm	34"	32.48" - 33.86"	825 - 860 mm	19 lbs.	8.50 kg
RP36	36" Rapid Purge system	900 mm	36"	34.45" - 35.81"	875 - 910 mm	20 lbs.	9.10 kg
RP38	38" Rapid Purge system	950 mm	38"	36.61" - 37.99"	930 - 965 mm	21 lbs.	9.50 kg
RP40	40" Rapid Purge system	1,000 mm	40"	38.98" - 39.95"	990 - 1015 mm	22 lbs.	9.90 kg
RP42	42" Rapid Purge system	1,050 mm	42"	40.56" - 41.91"	1,030 - 1,065 mm	29 lbs.	13.20 kg
RP44	44" Rapid Purge system	1,100 mm	44"	42.52" - 43.90"	1,080 - 1,115 mm	30 lbs.	13.70 kg
RP46	46" Rapid Purge system	1,150 mm	46"	44.29" - 45.67"	1,125 - 1,160 mm	32 lbs.	14.50 kg
RP48	48" Rapid Purge system	1,200 mm	48"	46.46" - 47.82"	1,180 - 1,215 mm	33 lbs.	15.00 kg
RP50	50" Rapid Purge system	1,250 mm	50"	48.42" - 49.80"	1,230 - 1,265 mm	35 lbs.	16.00 kg
RP52	52" Rapid Purge system	1,300 mm	52"	50.59" - 51.97"	1,285 - 1,320 mm	37 lbs.	17.00 kg
RP54	54" Rapid Purge system	1,350 mm	54"	52.36" - 53.74"	1,330 - 1,365 mm	39 lbs.	18.00 kg
RP60	60" Rapid Purge system	1,500 mm	60"	58.46" - 59.84"	1,485 - 1,520 mm	44 lbs.	20.00 kg
RP66	66" Rapid Purge system	1,650 mm	66"	64.38" - 65.73"	1,635 - 1,670 mm	55 lbs.	25.00 kg
RP72	72" Rapid Purge system	1,800 mm	72"	70.27" - 71.65"	1,785 - 1,820 mm	62 lbs.	28.00 kg
RP80	80" Rapid Purge system	2,000 mm	80"	78.35" - 79.72"	1,990 - 2,025 mm	66 lbs.	30.00 kg

(Larger sizes and specials available upon request with 35 mm / 1.37" expansion range)