

Systems for the fast purging of high temperature pipework

The PPM Purge Bag and Rapid Purge™ systems are both available in heat resistant version. They are designed to 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 the inflatable pipe purging systems are heat resistant up to 350°C (662°F) for up to 24 hours, or up to 500°C (932°F) for short periods of time. The heat resistant systems are available for all pipe diameters from 3" - 80" (63 - 2,035 mm).

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

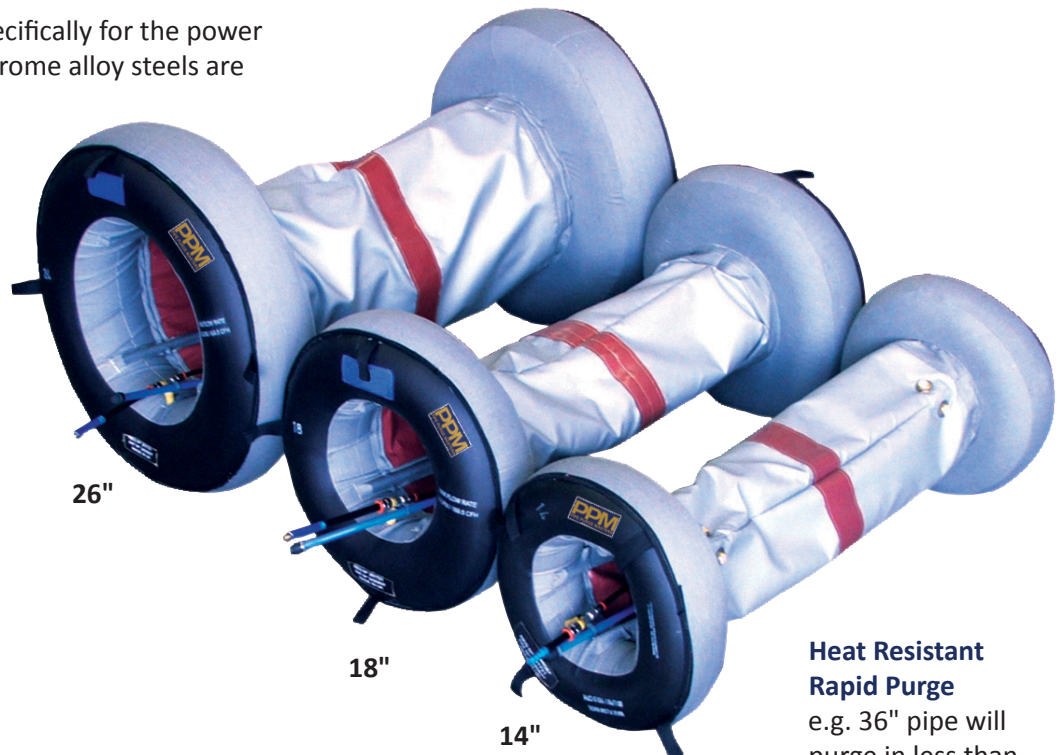
The welder can position these systems prior to pre-heating and leave them in place throughout the pre-heating, welding and post-heat treatment cycles, allowing the weld to be purged continuously for up to 24 hours if necessary.



e.g. 6" pipe will purge in less than 4 minutes!

Features and advantages

- Heat resistant up to 350°C (662°F) for up to 24 hours, or up to 500°C (932°F) for short periods
- Available for all pipe diameters from 3" to 80" (63 to 2,044 mm)
- 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 luminous strip allows fast and accurate alignment of the system to the center-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

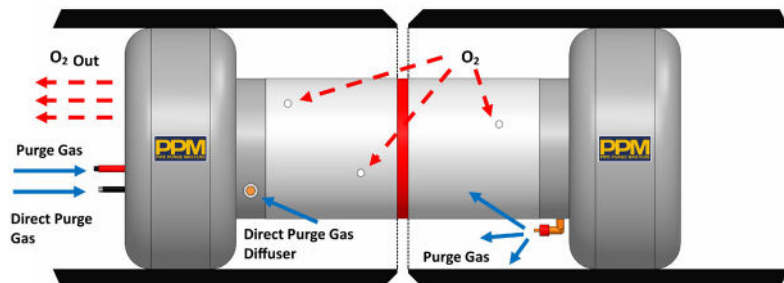


Heat Resistant Rapid Purge
e.g. 36" pipe will purge in less than 10 minutes!



How it works

Both the heat resistant Purge Bag system and the heat resistant Rapid Purge™ system work identically to the standard systems, but are made of a purposely designed Nomex and Kevlar mix material to withstand the temperatures typically encountered when welding exotic materials.



Purge Bag Heat Resistant sizing and specification

PART NO	DESCRIPTION	NOMINAL PIPE SIZE		INTERNAL DIAMETER RANGE (I/D)		WEIGHT (LBS. / KG)	
PB02/HR	2" Purge Bag - Heat Resistant to 500 degrees	50 mm	2"	1.49" - 2.37"	38 - 60 mm	1 lbs.	0.40 kg
PB03/HR	3" Purge Bag - Heat Resistant to 500 degrees	75 mm	3"	2.17" - 3.53"	55 - 90 mm	1 lbs.	0.50 kg
PB04/HR	4" Purge Bag - Heat Resistant to 500 degrees	100 mm	4"	3.51" - 4.51"	89 - 115 mm	1 lbs.	0.60 kg
PB05/HR	5" Purge Bag - Heat Resistant to 500 degrees	125 mm	5"	4.14" - 5.50"	105 - 140 mm	1 lbs.	0.70 kg
PB06/HR	6" Purge Bag - Heat Resistant to 500 degrees	150 mm	6"	5.32" - 6.68"	135 - 170 mm	2 lbs.	0.90 kg
PB07/HR	7" Purge Bag - Heat Resistant to 500 degrees	175 mm	7"	6.30" - 7.66"	160 - 195 mm	2 lbs.	1.20 kg

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

Rapid Purge™ Heat Resistant sizing and specification

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