

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.

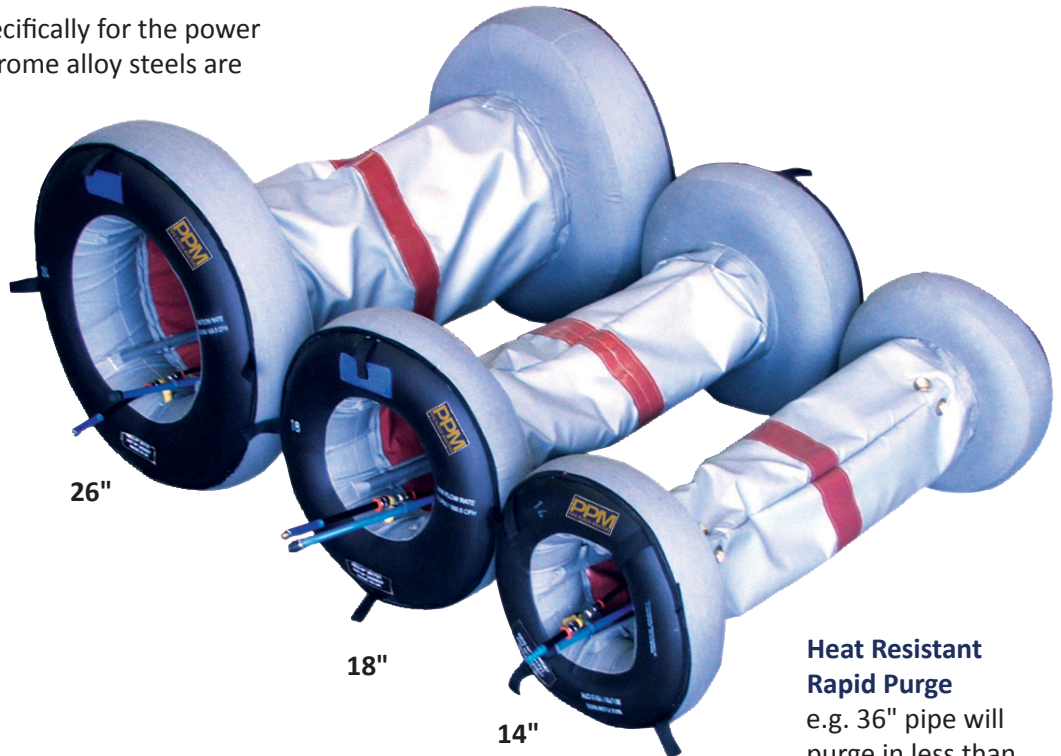
The welder can position these systems prior to pre-heating and leave them in place throughout the pre-heating, welding and post-heat treatment cycles, allowing the weld to be purged continuously for up to 24 hours if necessary.



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

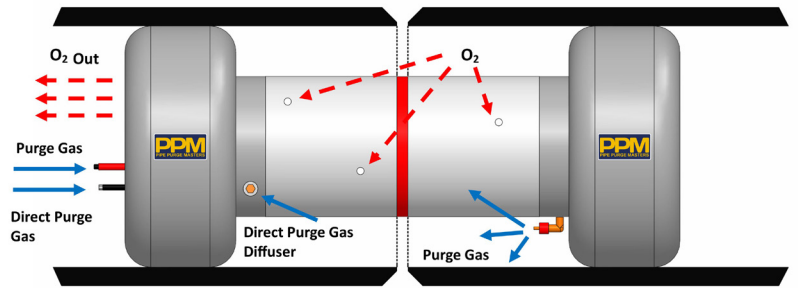


Heat Resistant Rapid Purge
e.g. 36" pipe will purge in less than 10 minutes!



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)