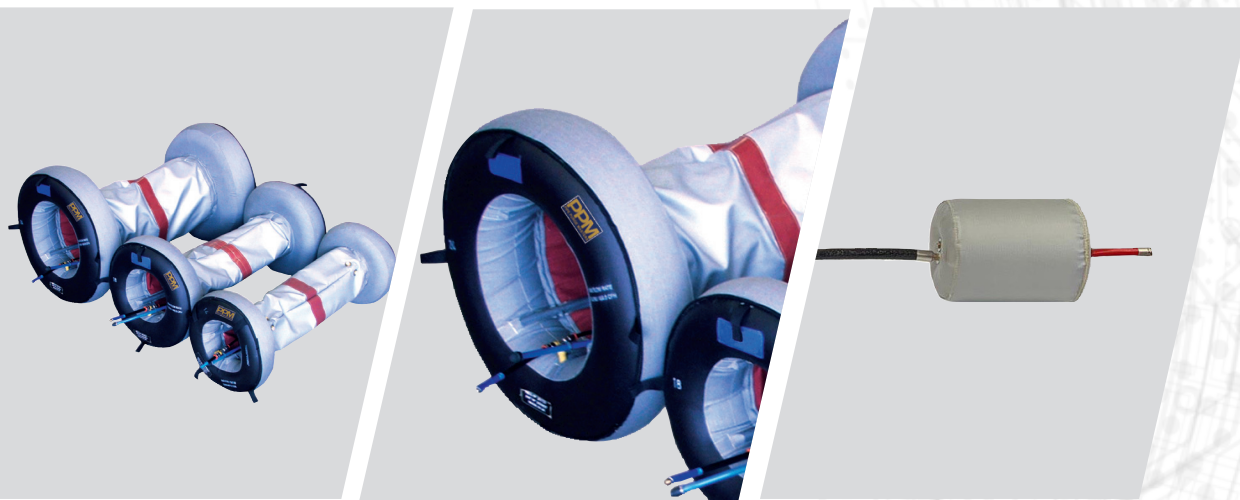


HEAT RESISTANT PURGING SYSTEM



Sizes: 3 - 80" / 63 - 2,044 mm



AN S&B GROUP BRAND

PRODUCT BROCHURE

www.PURGEMASTERS.COM



The **Specialized Fabrication Equipment Group** (in short: **S.F.E. Group**) was founded in 2019 after the merger of three world leading OEM's in the field of pipe fabrication tooling and machinery: B&B Pipe and Industrial Tools LLC (USA), Mathey Dearman Inc. (USA) and TAG Pipe Equipment Specialists (UK). In a time span of 5 years, another 4 renowned and market leading companies were acquired and added to the **S.F.E. Group** portfolio: Axxair (France, 2022), Magnatech (USA, 2023), Climax (USA, 2023) and Sumner (USA, 2025).

The vision and philosophy of the **S.F.E. Group** is to offer globally a comprehensive innovative and cost-effective range of specialized fabrication, welding and machining equipment and derived rental solutions, for a wide range of applications within all critical industries, while optimizing performance, efficiency and safety.

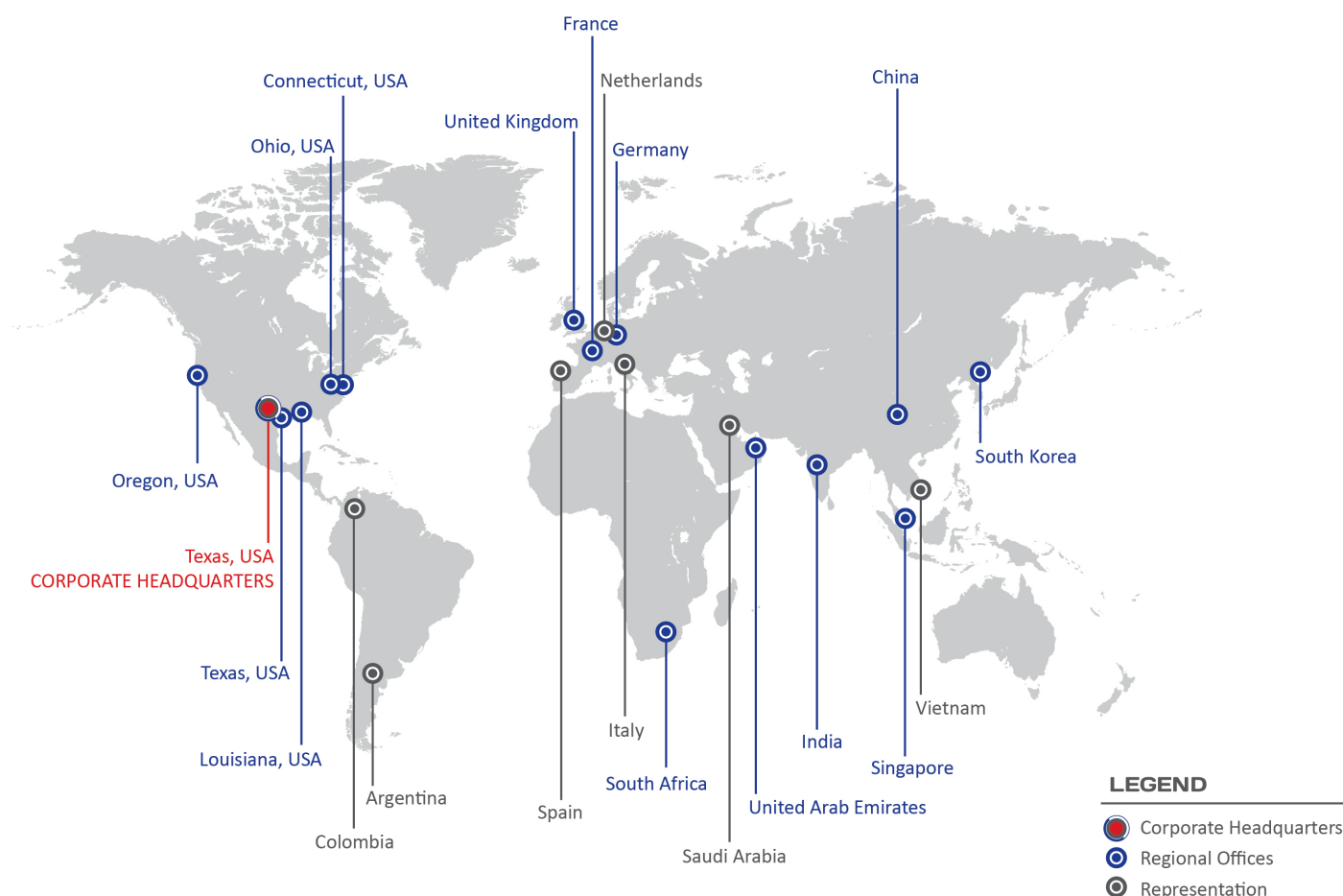
Leveraging over 200 years of combined experience in engineering, manufacturing, and field applications, the **S.F.E. Group** is committed to driving innovation. Through continuous product development and strategic acquisitions, the **S.F.E. Group** is actively growing its portfolio and expanding its global presence to meet the demands of industries around the world. Currently, the **S.F.E. Group** consists of 12 complimentary brands, each supporting the others in delivering cutting-edge solutions.

With offices and warehousing on 5 continents, 400+ employees and more than 500 partnerships and distributors worldwide, **S.F.E. Group** prides itself on consistently offering the highest standards of both product quality and service locally to all its customers.

S.F.E. Group looks forward to welcoming you into its global network as a partner, distributor or end user customer and remains at your disposal at any time.

Contact Americas: sales@sfe-brands.com
Contact International: sales-int@sfe-brands.com

S.F.E. GROUP GLOBAL PRESENCE





Backed by nearly 25 years of development, S.F.E. Group is proud to present its brand dedicated to pipe purging products, applications and solutions: **Pipe Purge Masters (PPM)**. With the **PPM brand**, the S.F.E. Group aims to not only emphasize its focus on pipe purging products but also meet the growing demand for on-site pipe purging equipment across the industries it already serves. Additionally, PPM products integrate seamlessly with other S.F.E. Group offerings, such as the orbital welding solutions provided by the AXXAIR brand.

As an OEM, S.F.E. Group prides itself on being renowned for its innovations, ground-breaking developments and creative designs within the **Pipe Purge Masters'** product range. Leveraging its engineering expertise, customer-centric approach, and flexibility, the PPM brand delivers innovative pipe purging solutions tailored to meet the specific needs of customer projects, while also addressing the demands of ever-evolving industries.

The **PPM brand** portfolio consists of a comprehensive range of pipe purging equipment: inflatable pipe purge bag systems, welding purge plugs, formed double seal purge systems, purge oxygen monitors, inflatable as well as mechanical pipe stoppers and accessories.

Pipe Purge Masters' products are available from the international S.F.E. Group locations on 5 continents, as well as from S.F.E. Group's extensive and continuously expanding global network of partners and can be consulted on the dedicated website **www.PURGEMASTERS.com**.

INDUSTRIES SERVED



OUR BRANDS



Our group policy is one of continuous improvements and acquisitions. Products and data tables are subject to change and may vary from those illustrated. Copyright © 2025 Specialized Fabrication Equipment Group, All rights reserved.



Sizes: 3 - 80" / 63 - 2,044 mm

Systems for the fast purging of high temperature pipe work

The PPM Purge Bag and Rapid Purge™ systems are both available in a heat resistant version. They are designed to be used when high temperatures will be encountered during the process of pipe welding; such as pre-heated pipe work, 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.

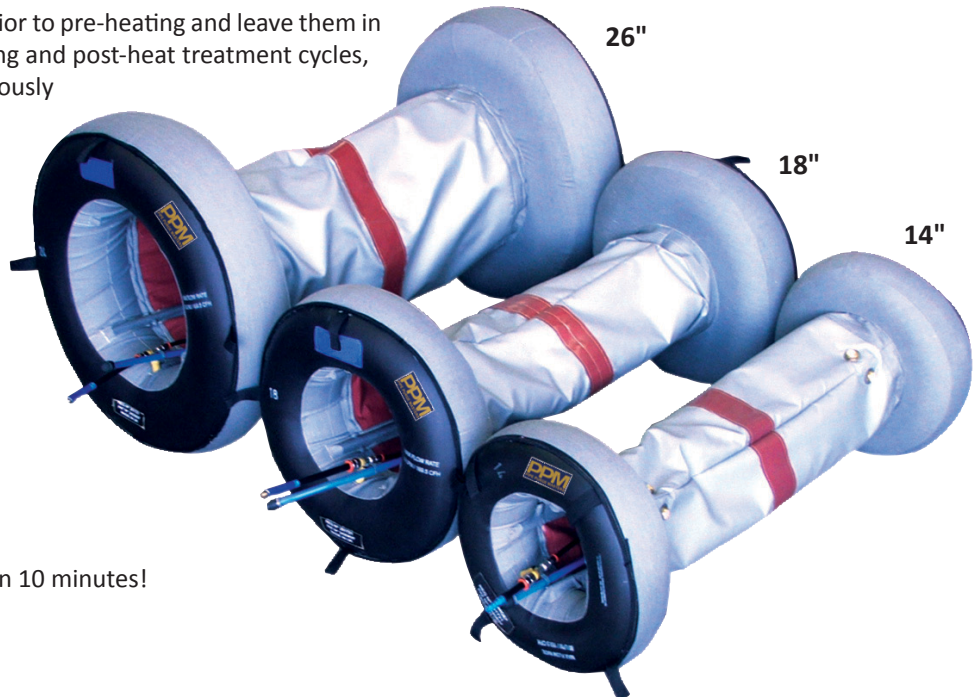
Mirroring the features of the standard range of inflatable purging systems, the heat resistant range comes with a central luminous band for rapid centring of the system to the weld root.

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.



Heat Resistant Rapid Purge

e.g. 36" pipe will purge in less than 10 minutes!

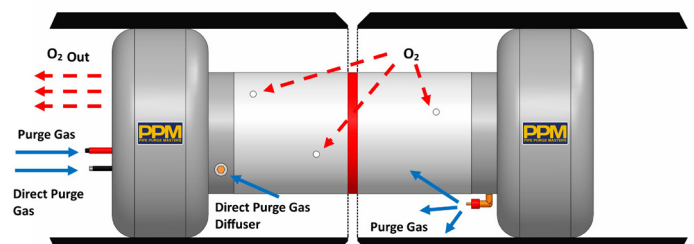


FEATURES AND ADVANTAGES

- 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 centre 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 20 l / min / Rapid Purge™ up to 80 l / min) through the twin pre-set purge valve

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	2"	50 mm	1.49 - 2.37"	38 - 60 mm	1 lbs	0.40 kg
PB03/HR	3" Purge Bag - Heat Resistant to 500 degrees	3"	75 mm	2.17 - 3.53"	55 - 90 mm	1 lbs	0.50 kg
PB04/HR	4" Purge Bag - Heat Resistant to 500 degrees	4"	100 mm	3.51 - 4.51"	89 - 115 mm	1 lbs	0.60 kg
PB05/HR	5" Purge Bag - Heat Resistant to 500 degrees	5"	125 mm	4.14 - 5.50"	105 - 140 mm	1 lbs	0.70 kg
PB06/HR	6" Purge Bag - Heat Resistant to 500 degrees	6"	150 mm	5.32 - 6.68"	135 - 170 mm	2 lbs	0.90 kg
PB07/HR	7" Purge Bag - Heat Resistant to 500 degrees	7"	175 mm	6.30 - 7.66"	160 - 195 mm	2 lbs	1.20 kg
Larger sizes and custom solutions available upon request with 35 mm / 1.37" expansion range							



PB06/HR

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

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	8"	200 mm	7.09 - 8.45"	180 - 215 mm	3 lbs	1.40 kg
RP10/HR	10" Rapid Purge - Heat Resistant up to 500 degrees	10"	250 mm	9.26 - 10.61"	235 - 270 mm	3 lbs	1.70 kg
RP12/HR	12" Rapid Purge - Heat Resistant up to 500 degrees	12"	300 mm	11.03 - 12.39"	280 - 315 mm	4 lbs	2.10 kg
RP14/HR	14" Rapid Purge - Heat Resistant up to 500 degrees	14"	350 mm	12.41 - 13.76"	315 - 350 mm	5 lbs	2.50 kg
RP16/HR	16" Rapid Purge - Heat Resistant up to 500 degrees	16"	400 mm	14.38 - 15.73"	365 - 400 mm	5 lbs	2.70 kg
RP18/HR	18" Rapid Purge - Heat Resistant up to 500 degrees	18"	450 mm	16.34 - 17.70"	415 - 450 mm	6 lbs	3.00 kg
RP20/HR	20" Rapid Purge - Heat Resistant up to 500 degrees	20"	500 mm	18.31 - 19.67"	465 - 500 mm	7 lbs	3.40 kg
RP22/HR	22" Rapid Purge - Heat Resistant up to 500 degrees	22"	550 mm	19.69 - 21.05"	500 - 535 mm	7 lbs	3.60 kg
RP24/HR	24" Rapid Purge - Heat Resistant up to 500 degrees	24"	600 mm	22.45 - 23.80"	570 - 605 mm	8 lbs	3.80 kg
RP26/HR	26" Rapid Purge - Heat Resistant up to 500 degrees	26"	650 mm	24.41 - 25.77"	620 - 655 mm	9 lbs	4.50 kg
RP28/HR	28" Rapid Purge - Heat Resistant up to 500 degrees	28"	700 mm	26.38 - 27.74"	670 - 705 mm	12 lbs	5.50 kg
RP30/HR	30" Rapid Purge - Heat Resistant up to 500 degrees	30"	750 mm	28.35 - 29.71"	720 - 755 mm	13 lbs	6.00 kg
RP32/HR	32" Rapid Purge - Heat Resistant up to 500 degrees	32"	800 mm	30.32 - 31.68"	770 - 805 mm	18 lbs	8.00 kg
RP34/HR	34" Rapid Purge - Heat Resistant up to 500 degrees	34"	850 mm	32.48 - 33.86"	825 - 860 mm	19 lbs	8.50 kg
RP36/HR	36" Rapid Purge - Heat Resistant up to 500 degrees	36"	900 mm	34.45 - 35.81"	875 - 910 mm	20 lbs	9.10 kg
RP38/HR	38" Rapid Purge - Heat Resistant up to 500 degrees	38"	950 mm	36.61 - 37.99"	930 - 965 mm	21 lbs	9.50 kg
RP40/HR	40" Rapid Purge - Heat Resistant up to 500 degrees	40"	1,000 mm	38.98 - 39.95"	990 - 1015 mm	22 lbs	9.90 kg
RP42/HR	42" Rapid Purge - Heat Resistant up to 500 degrees	42"	1,050 mm	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	44"	1,100 mm	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	46"	1,150 mm	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	48"	1,200 mm	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	50"	1,250 mm	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	52"	1,300 mm	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	54"	1,350 mm	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	60"	1,500 mm	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	72"	1,800 mm	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	80"	2,000 mm	78.35 - 79.72"	1,990 - 2,025 mm	66 lbs	30.00 kg
Larger sizes and custom solutions available upon request with 35 mm / 1.37" expansion range							

The Heat Resistant Purge Bag comes with fittings:
International = 21 KA series male connector
Americas = ¼" (0.25") NPT male connector

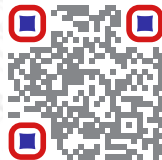


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