

6 | Hospitality Gases



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Hospitality Gases

As the leading supplier in southern Africa of gases to the hospitality industry, Afrox provides a dedicated gases solution, which includes Handigas for cooking and heating, Suremix for beer and soft drink beverage dispensing, and Partigas for decorative balloon fantasies. Sureserve simplifies administration, by providing a high level service of regular gas deliveries by highly experienced teams, led by sales and service coordinators on one consolidated account for all gases.

Handigas

A clean burning fuel that provides all energy users with a safe, efficient and economical alternative for a diverse range of cooking and heating applications.

Suremix

A range of carbon dioxide/nitrogen based gases, for the beverage dispensing of draught beers, wines and soft drinks. Special mixtures for different lagers, pilsners, ales, stouts and draught beers ensure a perfect pour every time.

Partigas

Afrox helium balloon gas that takes special events to new heights. It's the quick, clutter-free promotional tool that is at the heart of a floating balloon fantasy and turns any bare, bleak space into a special occasion.



Handigas

Handigas represents a significant portion of the hospitality service offer to the hospitality sector (hotels, resorts, conferencing centres, restaurants, fast foods, lodges and B&Bs) and is mainly used for cooking and heating. In major centres, Handigas, Suremix and Partigas deliveries are carried out by specialised hospitality sales and service distribution teams.

For product details on Handigas and propane, refer to section 5 - LPG.



Suremix Gases

Carbon Dioxide (CO₂) and CO₂ - Nitrogen (N₂) Mixtures

Applications

- Controlled storage and dispensing of all draught beers such as lagers, ales, pilsners and stouts
- Controlled storage and dispensing of soda fountain soft drinks
- Controlled storage and dispensing of non-carbonated wines and fruit juices
- Afrox recommends the use of particular percentage mixtures for specific applications in line with the requirements of each beverage supplier.

Features	Benefits	Hazards
Colourless and odourless gas	Acts to blanket beers and soft drinks from the atmosphere	CO ₂ and N ₂ are asphyxiants (do not support life)
CO ₂ is soluble in water at moderate temperatures	Acts to maintain equilibrium of the gas content in beverages	CO ₂ is toxic in high concentrations
Food grade certification	Provides better control of non-refrigerated beverages	
Approved by beer and soft drink companies	Enhances appearance, aroma and taste	
CO ₂ is heavier than air	CO ₂ can be added to beverages in controlled conditions to increase soluble levels	
CO ₂ is slightly corrosive in the presence of moisture		No hazard

Suremix 100

Gas	Purity
Carbon dioxide	>99,9%
	Food grade

Material Description	Gas Content (kg/ℓ)	Cylinder Size (ℓ)	Pressure kPa @ 20°C	Valve Outlet Connection	Item Number
Suremix 100 large	31,3/20 400	50	6 000	No 8 Male RH	569 SE
Suremix 100 small	5,6/3 500	10	6 000	No 8 Male RH	569 IE

Cylinder colour: White valved guard, ivory body, shoulder and neck

Not all cylinder sizes are available at all Afrox outlets

Please check with your local Afrox branch or dial 0860 020202

MSDS available from www.afrox.com



Suremix 60

Gas	Purity
Carbon dioxide/nitrogen	>99,9%
	Food grade

Material Description	Gas Content (kg/ℓ)	Cylinder Size (ℓ)	Pressure kPa @ 20°C	Valve Outlet Connection	Item Number
Suremix 60 large	21,3/14 300	50	20 000	No 3 Female RH-F G5/8"	566 SE
Suremix 60 small	4,4/3 000	10	20 000	No 3 Female RH-F G5/8"	566 IE

Contains 60% CO₂ and 40% nitrogen

Cylinder colour: White valved guard, ivory body, purple shoulder and neck

Not all cylinder sizes are available at all Afrox outlets

Please check with your local Afrox branch or dial 0860 020202

MSDS available from www.afrox.com



Suremix 30

Gas	Purity
Carbon dioxide/nitrogen	>99,9%
	Food grade

Material Description	Gas Content (kg/ℓ)	Cylinder Size (ℓ)	Pressure kPa @ 20°C	Valve Outlet Connection	Item Number
Suremix 30 large	12,5/9 600	50	20 000	No 3 Female RH G5/8"	564 SE
Suremix 30 small	2,8/2 100	10	20 000	No 3 Female RH G5/8"	564 IE

Contains 30% CO₂ and 70% nitrogen

Cylinder colour: White valved guard, ivory body, green shoulder and neck

Not all cylinder sizes are available at all Afrox outlets

Please check with your local Afrox branch or dial 0860 020202

MSDS available from www.afrox.com



Suremix N

Gas	Purity
Nitrogen	>99,9%
	Food grade

Material Description	Gas Content (kg/ℓ)	Cylinder Size (ℓ)	Pressure kPa @ 20°C	Valve Outlet Connection	Item Number
Suremix N large	10,9/9 400	50	20 000	G3/4" RH-F	567 SE
Suremix N small	2,2/1 900	10	20 000	G3/4" RH-F	567 IE

Cylinder colour: Ivory body, grey shoulder and neck

Not all cylinder sizes are available at all Afrox outlets

Please check with your local Afrox branch or dial 0860 020202

MSDS available from www.afrox.com



Suremix Regulators

Content	Material Description	Item Number
1	Suremix 60/30 Regulator	W003038
1	Suremix N Regulator	W003038

Note: For Suremix N a nitrogen (G 3/4" RH-F) valve, inlet stem and nut (Item Number W003082) must be fitted

Partigas

Helium (He)

Gas	Purity
Helium	>99,9%
Impurities - air/methane	<0,9%

Features	Benefits	Hazards
Very low density, second lightest atom, approximately five times lighter than air	Ideally suited for inflating latex party balloons	Can cause asphyxiation at high concentrations
Colourless and odourless gas	Does not react with the latex material	
Non-reactive		

	ℓ	ℓ			
Partigas large	1,51/9 075	50	20 000	G5/8" RH-F No3	528 SE
Partigas medium	0,6/3 600	20	20 000	G5/8" RH-F No3	528 JE
Partigas small	0,13/780	10	20 000	G5/8" RH-F No3	528 IE



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Applications

- Due to its non-flammability and very low density, it is ideally suited for filling floating balloons
- Small parties
- Weddings and events
- Corporate promotions
- Restaurant hand-outs for junior patrons.

Note: As helium is the second smallest molecule, the gas will penetrate the smallest opening in the balloon

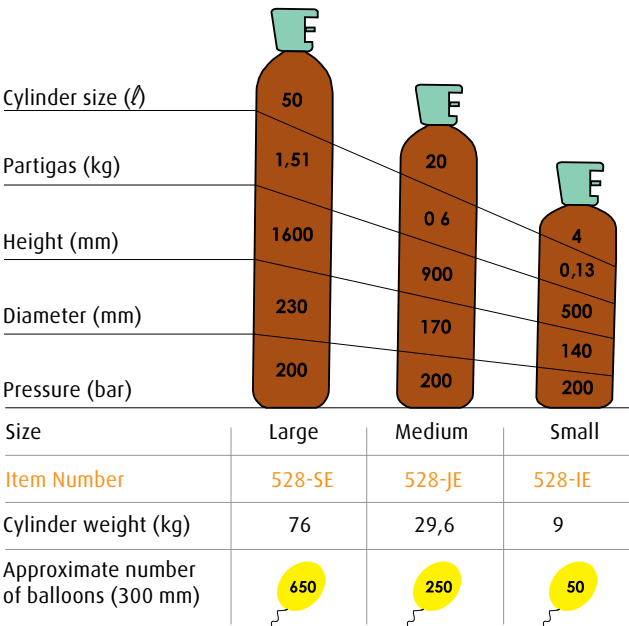
Cylinder colour: Lime green valved guards, brown body, shoulder and neck

Not all cylinders are available at all Afrox outlets

Please check with your local Afrox branch or dial 0860 020202

Other sized cylinders may also be available on request

MSDS available from www.afrox.com



Balloon Inflator

Content	Material Description	Item Number
1	Balloon inflator	W101531
(Available on payment of a refundable deposit)		

