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# Standard Gas Mixtures



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**martek**  
MARINE

## QUAD GASES (Hydrogen Sulphide H<sub>2</sub>S, Carbon Monoxide CO, Methane CH<sub>4</sub>, Oxygen O<sub>2</sub>, Nitrogen N<sub>2</sub>, Propane C<sub>2</sub>H<sub>8</sub>)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG21000	10ppm H <sub>2</sub> S, 1.45% CH <sub>4</sub> , 15% O <sub>2</sub> /N <sub>2</sub>	R	Yes	58L
FCG21005	10ppm H <sub>2</sub> S, 300ppm CO, 1.45% CH <sub>4</sub> , 15% O <sub>2</sub> /N <sub>2</sub>	R	Yes	58L
FCG21010	10ppm H <sub>2</sub> S, 50ppm CO, 2.5% CH <sub>4</sub> , 18% O <sub>2</sub> / N <sub>2</sub>	R	Yes	58L
FCG21015	15 ppm H <sub>2</sub> S, 100 ppm CO, 2.5% CH <sub>4</sub> , 18% O <sub>2</sub> / N <sub>2</sub>	R	Yes	58L
FCG21020	20ppm H <sub>2</sub> S, 60ppm CO, 1.45% CH <sub>4</sub> , 15% O <sub>2</sub> /N <sub>2</sub>	R	Yes	58L
FCG21025	25ppm H <sub>2</sub> S, 50ppm CO, 0.9% i-C <sub>4</sub> H <sub>10</sub> , 12% O <sub>2</sub> /N <sub>2</sub>	R	Yes	34L
FCG21030	25ppm H <sub>2</sub> S, 50ppm CO, 2.5% CH <sub>4</sub> , 12% O <sub>2</sub> /N <sub>2</sub>	R	Yes	58L
FCG21035	25ppm H <sub>2</sub> S, 50ppm CO, 2.5% CH <sub>4</sub> , 20.9% O <sub>2</sub> /N <sub>2</sub>	R	Yes	58L
FCG21040	25ppm H <sub>2</sub> S, 100ppm CO, 1.1% C <sub>3</sub> H <sub>8</sub> , 19% O <sub>2</sub> /N <sub>2</sub>	R	Yes	58L
FCG21045	25 ppm H <sub>2</sub> S, 100 ppm CO, 2.2% CH <sub>4</sub> , 18% O <sub>2</sub> /N <sub>2</sub>	R	Yes	34L
FCG21050	25ppm H <sub>2</sub> S, 100ppm CO, 2.5% CH <sub>4</sub> , 18% O <sub>2</sub> /N <sub>2</sub>	R	Yes	58L
FCG21055	40ppm H <sub>2</sub> S, 100ppm CO, 2.2% CH <sub>4</sub> , 15% O <sub>2</sub> / N <sub>2</sub>	R	Yes	34L
FCG21060	40ppm H <sub>2</sub> S, 100ppm CO, 2.5% CH <sub>4</sub> , 15% O <sub>2</sub> / N <sub>2</sub>	R	Yes	34L
FCG21065	20PPM H <sub>2</sub> S, 60PPM CO, 1.45%CH <sub>4</sub> , 15%O <sub>2</sub> / N <sub>2</sub>	R	Yes	58L
FCG21070	20ppm H <sub>2</sub> S, 1.1% C <sub>3</sub> H <sub>8</sub> / N <sub>2</sub>	R	Yes	58L

## AMMONIA (NH<sub>3</sub>)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG22000	25ppm NH <sub>3</sub> /Air	R	Yes	58L

## BUTANE (N-BUTANE C<sub>4</sub>H<sub>10</sub>)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG23000	0.9% (50% LEL) C <sub>4</sub> H <sub>10</sub> / Air	N/R	Yes	103L
FCG23005	0.9% (50% LEL) C <sub>4</sub> H <sub>10</sub> / N <sub>2</sub>	N/R	Yes	103L
FCG23010	8% C <sub>4</sub> H <sub>10</sub> / N <sub>2</sub> (FLAM)	N/R	No	34L
FCG23020	8% C <sub>4</sub> H <sub>10</sub> , 13.8% CO <sub>2</sub> /N <sub>2</sub> (FLAM)	N/R	No	34L

## ISO-BUTANE (I-C4H10)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG24000	0.9% (50% LEL) i-C4H10/ Air	N/R	Yes	34L
FCG24005	10% i-C4H10/N2 (FLAM)	N/R	No	17L

## CARBON DIOXIDE (CO2)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG25000	1% CO2/Air	N/R	Yes	103L
FCG25005	15% CO2/Air	N/R	Yes	103L
FCG25010	15% CO2/N2	N/R	No	103L

## CARBON MONOXIDE

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG26000	50ppm CO/Air	N/R	Yes	103L
FCG26005	60ppm CO/Air	N/R	Yes	103L
FCG26010	100ppm CO/N2	N/R	Yes	34L

## ETHANOL (C2H5OH)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG33000	191ppm/N2	N/R	Yes	34L

## HYDROGEN SULPHIDE (H<sub>2</sub>S)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG27000	10ppm H <sub>2</sub> S/N <sub>2</sub>	R	Yes	58L
FCG27005	25ppm H <sub>2</sub> S / N <sub>2</sub>	R	Yes	58L
FCG27010	40ppm H <sub>2</sub> S/N <sub>2</sub>	R	Yes	58L
FCG27015	50ppm H <sub>2</sub> S/ N <sub>2</sub>	R	Yes	58L

## NITROGEN (NITROGEN N<sub>2</sub>, NITROGEN DIOXIDE NO<sub>2</sub>)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG28000	Nitrogen (99.99% v/v)	N/R	Yes	34L

## OXYGEN

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG29000	2% O <sub>2</sub> / N <sub>2</sub>	N/R	Yes	103L
FCG29005	5% O <sub>2</sub> / N <sub>2</sub>	N/R	Yes	103L
FCG29010	10% O <sub>2</sub> / N <sub>2</sub>	N/R	Yes	103L

## METHANE (CH<sub>4</sub>)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG30000	2% (40% LEL) CH <sub>4</sub> /Air	N/R	Yes	34L
FCG30005	2.5% (50% LEL) CH <sub>4</sub> /Air	N/R	Yes	34L
FCG30010	1.45% CH <sub>4</sub> , 15%O <sub>2</sub> /N <sub>2</sub>	N/R	Yes	103L
FCG30015	2.5% CH <sub>4</sub> , 17% O <sub>2</sub> /N <sub>2</sub>	N/R	Yes	17L
FCG30020	50% CH <sub>4</sub> / N <sub>2</sub>	N/R	No	34L

## PENTANE (C<sub>5</sub>H<sub>12</sub>)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG31000	0.75% (50% LEL) C <sub>5</sub> H <sub>12</sub> /Air	N/R	Yes	103L
FCG31005	0.75% C <sub>5</sub> H <sub>12</sub> , 15% O <sub>2</sub> /N <sub>2</sub>	N/R	Yes	34L

## PROPANE (C<sub>3</sub>H<sub>8</sub>)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG32000	0.55% (25% LEL) C <sub>3</sub> H <sub>8</sub> / Air	N/R	Yes	103L
FCG32005	1.1% (50% LEL) C <sub>3</sub> H <sub>8</sub> / Air	N/R	Yes	103L

## ZERO AIR (20.9%O<sub>2</sub>/N<sub>2</sub>)

Part No	Gas Description	Reactive (R)	Passenger	Cylinder Size
		Non-Reactive (N/R)	Aircraft?	
FCG29015	20.8% O <sub>2</sub> /N <sub>2</sub> (OR ZERO AIR)	N/R	Yes	103L

## REGULATORS

Part No	Gas Description			
713	For use with 7EOC, 7HP			
715	For use with 2AL, 8AL, 6D			