

Gas Cylinders

DESCRIPTION

Disposable and recyclable calibration gas cylinders.

APPLICATION

To apply gases to toxic or combustible gas sensors and transmitters for performance verification or transmitter calibration of base (zero) and span.

SPECIFICATIONS



GC-17/58

Gas Cylinders	17 Liters, DS	34 Liters, DS	34 Liters, RAL	58 Liters, RAL	58 Liters, RS	103 Liters, RS
– Type “DOT 39, TC-39M” – Material	Disposable Steel	Disposable Steel	Recyclable* Aluminum	Recyclable* Aluminum	Recyclable* Steel	Recyclable* Steel
– For gas type	Nonreactive	Nonreactive	Reactive	Reactive	Nonreactive	Nonreactive
– Service Pressure	240 PSI (1,654 kPa)	500 PSI (3,447 kPa)	500 PSI (3,447 kPa)	500 PSI (3,447 kPa)	1,000 PSI (6,894 kPa)	1,000 PSI (6,894 kPa)
– Dimensions (ø x height)	2 7/8" x 11.0" (73.0 x 279.4 mm)	2 7/8" x 11.0" (73.0 x 279.4 mm)	2 7/8" x 11.0" (73.0 x 279.4 mm)	3 1/2" x 13 1/2" (88.9 x 442.9 mm)	3 1/4" x 8" (82.6 x 203.2 mm)	3 1/4" x 13 1/4" (82.6 x 336.6 mm)
– Weight	1.0 lbs. (0.45 kg)	1.5 lbs. (0.68 kg)	1.5 lbs. (0.68 kg)	1.8 lbs. (0.82 kg)	1.2 lbs. (0.54 kg)	2.4 lbs. (1.09 kg)
– Fits regulator (ref. to datasheet CC-, GR-, CONKIT)	GR-17-XXX			GR-58-XXX		

* Hassle-free recycling program for empty bottles; eliminate disposal/return fees and reduce carbon footprint by simply stripping outer packaging and give to listed shipper on label.

Calibration Gases	Cylinders		Part Numbers
	Liters	Type	
Base (zero) calibration of sensors and transmitters • Electrochemical and non-dispersive infrared			
– Nitrogen (N ₂), 99.99%	17	DS	GC-17-001
– Nitrogen (N ₂), 99.99%	58	RS	GC-58-001
• Catalytic pellistor bead			
– Oxygen (O ₂), 20.8% in nitrogen	17	DS	GC-17-003
Span verification or calibration			
– Carbon Dioxide (CO ₂), 100 ppm in air	17	DS	GC-17-015
– Carbon Dioxide (CO ₂), 800 ppm in air	17	DS	GC-17-016
– Carbon Dioxide (CO ₂), 1000 ppm in air	17	DS	GC-17-017
– Carbon Dioxide (CO ₂), 1000 ppm in air	34	DS	GC-34-017
– Carbon Dioxide (CO ₂), 2000 ppm in air	17	DS	GC-17-012
– Carbon Dioxide (CO ₂), 3000 ppm in air	17	DS	GC-17-014
– Carbon Dioxide (CO ₂), 400 ppm in nitrogen	17	DS	GC-17-019
– Carbon Dioxide (CO ₂), 1.5% in nitrogen	17	DS	GC-17-018
– Carbon Monoxide (CO), 25 ppm in air	17	DS	GC-17-020
– Carbon Monoxide (CO), 35 ppm in air	17	DS	GC-17-021
– Carbon Monoxide (CO), 50 ppm in air	17	DS	GC-17-022
– Carbon Monoxide (CO), 100 ppm in air	17	DS	GC-17-024



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Calibration Gases	Cylinders		Part Numbers
	Liters	Type	
Span verification or calibration			
– Carbon Monoxide (CO), 140 ppm in air (w/SS sensor; represents 35 ppm CO in vehicle exhaust)	17	DS	GC-17-025
– Carbon Monoxide (CO), 200 ppm in air (w/SS sensor; represents 50 ppm CO in vehicle exhaust)	17	DS	GC-17-027
– Carbon Monoxide (CO), 200 ppm in air (w/SS sensor; represents 50 ppm CO in vehicle exhaust)	103	RS	GC-103-027
– Carbon Monoxide (CO), 250 ppm in air	17	DS	GC-17-028
– Carbon Monoxide (CO), 400 ppm in air (w/SS sensor; represents 100 ppm CO in vehicle exhaust)	17	DS	GC-17-029
– Nitrogen Dioxide (NO ₂), 5 ppm in nitrogen	34	RAL	GC-34-028
– Nitrogen Dioxide (NO ₂), 5 ppm in nitrogen	58	RAL	GC-58-028
– Nitrogen Dioxide (NO ₂), 10 ppm in nitrogen	58	RAL	GC-58-030
– Nitrogen Dioxide (NO ₂), 5 ppm in air	34	RAL	GC-34-031
– Nitric Oxide (NO), 75 ppm in nitrogen	58	RAL	GC-58-032
– Hydrogen Sulfide (H ₂ S), 25 ppm in air	34	RAL	GC-34-110
– Sulfur Dioxide (SO ₂), 5 ppm in nitrogen	58	RAL	GC-58-038
– Oxygen (O ₂), 20.8% in nitrogen	17	DS	GC-17-003
– Ammonia (NH ₃), 30 ppm in air	58	RAL	GC-58-045A
– Ammonia (NH ₃), 30 ppm in nitrogen	58	RAL	GC-58-045
– Ammonia (NH ₃), 35 ppm in nitrogen	58	RAL	GC-58-046
– Ammonia (NH ₃), 50 ppm in nitrogen	58	RAL	GC-58-047
– Ammonia (NH ₃), 150 ppm in nitrogen	58	RAL	GC-58-048
– Ammonia (NH ₃), 300 ppm in nitrogen	58	RAL	GC-58-049
– Refrigerant, CFC-11 (CCl ₃ F), 100 ppm in air	17	DS	GC-17-051
– Refrigerant, CFC-11 (CCl ₃ F), 500 ppm in air	17	DS	GC-17-050
– Refrigerant, CFC-11 (CCl ₃ F), 1000 ppm in air	17	DS	GC-17-052
– Refrigerant, CFC-12 (CCl ₂ F ₂), 500 ppm in air	17	DS	GC-17-054
– Refrigerant, CFC-12 (CCl ₂ F ₂), 1000 ppm in air	17	DS	GC-17-056
– Refrigerant, HCFC-22 (CHClF ₂), 100 ppm in air	17	DS	GC-17-057
– Refrigerant, HCFC-22 (CHClF ₂), 500 ppm in air	17	DS	GC-17-058
– Refrigerant, HCFC-22 (CHClF ₂), 1000 ppm in air	17	DS	GC-17-060
– Refrigerant, HFC-134a (CH ₂ FCF ₃), 50 ppm in air	17	DS	GC-17-061
– Refrigerant, HFC-134a (CH ₂ FCF ₃), 500 ppm in air	17	DS	GC-17-062
– Refrigerant, HFC-134a (CH ₂ FCF ₃), 1000 ppm in air	17	DS	GC-17-064

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Calibration Gases	Cylinders		Part Numbers
	Liters	Type	
Span verification or calibration			
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 10 ppm in air	17	DS	GC-17-066
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 30 ppm in air	17	DS	GC-17-067
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 30 ppm in air	103	RS	GC-103-067
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 50 ppm in air	17	DS	GC-17-068
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 50 ppm in air	103	RS	GC-103-068
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 100 ppm in air	17	DS	GC-17-065
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 200 ppm in air	103	RS	GC-103-075
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 500 ppm in air	17	DS	GC-17-074
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 500 ppm in air	103	RS	GC-103-076
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 600 ppm in air	17	DS	GC-17-070
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 990 ppm in air	17	DS	GC-17-072
– Refrigerant, HCFC-123 (CHCl ₂ CF ₃), 200 ppm in nitrogen	17	DS	GC-17-073
– Refrigerant, HCFC-404A (Blend of R-143a, R-125, R-134a), 500 ppm in nitrogen	103	RS	GC-103-078
– Refrigerant, HCFC-404A (Blend of R-143a, R-125, R-134a, 990 ppm in nitrogen	17	DS	GC-17-079
– Refrigerant, HCFC-404A (Blend of R-143a, R-125, R-134a), 990 ppm in nitrogen	103	RS	GC-103-079
– Refrigerant, HCFC-407C (Blend of R-32, R-125, R-134a, 1000 ppm in nitrogen	17	DS	GC-17-069
– Refrigerant, HCFC-410A (Blend of R-32, R-125), 500 ppm in air	103	RS	GC-103-073
– Refrigerant, HCFC-410A (Blend of R-32, R-125), 1000 ppm in air	103	RS	GC-103-074
– Refrigerant, HCFC-410A (Blend of R-32, R-125), 990 ppm in nitrogen	17	DS	GC-17-080
Span verification or calibration for various combustible gases			
– Methane (CH ₄), 1.0% in air	17	DS	GC-17-085
– Methane (CH ₄), 1.5% in air	17	DS	GC-17-083
– Methane (CH ₄), 2.0% in air	17	DS	GC-17-082
– Methane (CH ₄), 2.5% in air	17	DS	GC-17-081
– Methane (CH ₄), 2.5% in air	58	RS	GC-58-084
– Propane (C ₃ H ₈), 2100 ppm in air	17	DS	GC-17-090
– Propane (C ₃ H ₈), 4200 ppm in air	17	DS	GC-17-091
– Propane (C ₃ H ₈), 1.1% in air	21	DS	GC-21-088
– Propane (C ₃ H ₈), 1.5% in air	17	DS	GC-17-089

Note: The actual gas concentration in each cylinder may vary slightly from the above listings.
The gas manufacturer labels the exact concentration filled on each individual cylinder.

OTHER SPECIFICATIONS

Warranty Extended warranties are not available due to the nature of different gases