Gas Cylinders

DESCRIPTION

GC-17/58

Disposable 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

Gas Cylinders (full service)	**17 Liters, DS**	**34 Liters, DS**	**58 Liters, DAL**	**58 Liters, DS**	**103 Liters, DS**
– Type "DOT 39, TC-39M" – Material – For gas type	Disposal Steel Nonreactive	Disposal Steel Nonreactive	Disposal Aluminum Reactive	Disposal Steel Nonreactive	Disposal Steel Nonreactive
– Service Pressure	240 PSI (1,654 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)	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)	1.8 lbs. (0.82 kg)	1.2 lbs. (0.54 kg)	2.4 lbs. (1.09 kg)
– Fits regulator (ref. to data sheet CC-, GR-, CONKIT)	P/N GR-17-300 P/N GR-17-500		P/N GR-58-300 P/N GR-58-ADJ		

Calibration Gases	**Cylinders**		**Part Numbers**
	Liters	**Type**	
Base (zero) calibration of sensors and transmitters **• Electrochemical and non-dispersive infrared**			
– Nitrogen (N_2), 99.999%	17	DS	GC-17-001
– Nitrogen (N_2), 99.999%	58	DS	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	DS	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	DAL	GC-34-028
– Nitrogen Dioxide (NO_2), 5 ppm in nitrogen	58	DAL	GC-58-028
– Nitrogen Dioxide (NO_2), 10 ppm in nitrogen	58	DAL	GC-58-030
– Nitrogen Dioxide (NO_2), 5 ppm in balanced air	34	DAL	GC-34-031
– Nitric Oxide (NO), 75 ppm in nitrogen	58	DAL	GC-58-032
– Hydrogen Sulfide (H_2S), 25 ppm in air	58	DAL	GC-58-036
– Sulfur Dioxide (SO_2), 5 ppm in nitrogen	58	DAL	GC-58-038
– Oxygen (O_2), 20.8% in nitrogen	17	DS	GC-17-003
– Ammonia (NH_3), 30 ppm in air	58	DAL	GC-58-045A
– Ammonia (NH_3), 30 ppm in nitrogen	58	DAL	GC-58-045
– Ammonia (NH_3), 35 ppm in nitrogen	58	DAL	GC-58-046
– Ammonia (NH_3), 50 ppm in nitrogen	58	DAL	GC-58-047
– Ammonia (NH_3), 150 ppm in nitrogen	58	DAL	GC-58-048
– Ammonia (NH_3), 300 ppm in nitrogen	58	DAL	GC-58-049
– Refrigerant, CFC-11 (CCl_3F), 100 ppm in air	17	DS	GC-17-051
– Refrigerant, CFC-11 (CCl_3F), 500 ppm in air	17	DS	GC-17-050
– Refrigerant, CFC-11 (CCl_3F), 1000 ppm in air	17	DS	GC-17-052
– Refrigerant, CFC-12 (CCl_2F_2), 500 ppm in air	17	DS	GC-17-054
– Refrigerant, CFC-12 (CCl_2F_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_2FCF_3), 50 ppm in air	17	DS	GC-17-061
– Refrigerant, HFC-134a (CH_2FCF_3), 500 ppm in air	17	DS	GC-17-062
– Refrigerant, HFC-134a (CH_2FCF_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 ($CHCl_2CF_3$), 10 ppm in air	17	DS	GC-17-066
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 30 ppm in air	17	DS	GC-17-067
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 30 ppm in air	103	DS	GC-103-067
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 50 ppm in air	17	DS	GC-17-068
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 50 ppm in air	103	DS	GC-103-068
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 100 ppm in air	17	DS	GC-17-065
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 200 ppm in air	103	DS	GC-103-075
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 500 ppm in air	17	DS	GC-17-074
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 500 ppm in air	103	DS	GC-103-076
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 600 ppm in air	17	DS	GC-17-070
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 990 ppm in air	17	DS	GC-17-072
– Refrigerant, HCFC-123 ($CHCl_2CF_3$), 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	DS	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	DS	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	DS	GC-103-073
– Refrigerant, HCFC-410A (Blend of R-32, R-125), 1000 ppm in air	103	DS	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	DS	GC-58-084
– Propane (C_3H_8), 2100 ppm in air	17	DS	GC-17-090
– Propane (C_3H_8), 4200 ppm in air	17	DS	GC-17-091
– Propane (C_3H_8), 1.1% in air	21	DS	GC-21-088
– Propane (C_3H_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.