



HONGKONG

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LET US BE YOUR GAS PARTNER!

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ABOUT US

We Global Special Gas Service Co., Ltd. are a distributors for Chinese well-known gas manufacturers, cylinder manufacturers and equipment manufacturers for more than seven years. Our main products are gases such as Industrial/UHP Oxygen(O2), Carbon Monoxide(CO), Ethylene(C2H4), Sulfur Hexafluoride(SF6), Carbon Tetrafluoride(CF4), Nitrous Oxide(N2O), ETO/CO2, etc., as well as high quality high pressure seamless steel cylinders, aluminum cylinders, brass and SS valves and single and double stage pressure regulators for corrosive and toxic gases/mixtures.

We also provide calcium carbide, tinplate canister, FRC, etc. For our steel cylinders, we have standards which include: DOT-3AA, GB5099, EN1964-1, ISO9809-1, ISO9809-2 and ISO9809-3 with TUV, BV, CE.

Cooperating with reliable manufacturers, we take great pride in providing our customers high quality products and superior service. Due to which we enjoy a high reputation with our customers from North America, Europe, Central, South East and Far East Asia as well as West and South Africa.



SPECIAL GASES



Sulfur Hexafluoride

MF: SF6
 CAS No.: 2551-62-4
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.99%, 99.995%, 99.999%, 99.9995%
 Application: Gas Insulated Switchgear, SF6 Circuit Breaker, SF6 transformer, etc.
 DOT Class: 2.2
 UN NO: 1080
 COA: Available

ITEM		INDEX		
Impurities(ppm)	Sulfur Hexafluoride(SF6)	≥ 99.99	≥ 99.999	≥ 99.9995
	AIR	≤ 30	≤ 5	≤ 2
	Carbon Tetrafluoride(CF4)	≤ 30	≤ 4	≤ 2
	Moisture(H2O)	≤ 1	≤ 1	≤ 1
	Acidity(as HF)	≤ 0.1	≤ 0.1	≤ 0.1
	Hydrolyzable Fluoride(as HF)	≤ 0.2	≤ 0.1	≤ 0.1
	Oil	≤ 0.5	≤ 0.5	≤ 0.5
	Toxicity	Non-toxic	Non-toxic	Non-toxic



Carbon Tetrafluoride

MF: CF4
 CAS No.: 75-73-0
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.9%, 99.999%
 Application: Electronic Etching and Cleaning, Refrigerant, etc.
 DOT Class: 2.2
 UN NO.: 1982
 COA: Available

ITEM		INDEX		
Impurities(ppm)	Carbon Tetrafluoride(CF4)	≥ 99.9	≥ 99.999	
	Oxygen(O2)	≤ 100	≤ 1	
	Nitrogen(N2)	≤ 400	≤ 4	
	Carbon Dioxide(CO2)	≤ 80	≤ 0.5	
	Carbon Monoxide(CO)	≤ 50	≤ 0.5	
	Methane(CH4)	≤ 50	≤ 0.5	
	Other Halocarbons	≤ 100	≤ 1	
	Moisture(H2O)	≤ 10	≤ 1	
	Sulfur Hexafluoride(SF6)	≤ 15	≤ 0.5	
	Acidity(as HF)	≤ 1	≤ 0.1	



Ethylene

MF: C2H4
 CAS No.: 74-85-1
 Grade Standard: Industrial Grade to 99.99%
 Purity: 99.95%, 99.9%, 99.95%, 99.99%
 Application: Used for PVC, Fruit Ripening, etc.
 DOT Class: 2.1
 UN NO.: 1962
 COA: Available

ITEM		INDEX		
Impurities(ppm)	Ethylene(C2H4)	≥ 99.9	≥ 99.95	
	Methane(CH4)&Ethane(C2H6)	≤ 1000	≤ 500	
	Propane(C3H8)	≤ 50	≤ 20	
	Carbon Monoxide(CO)	≤ 5	≤ 2	
	Carbon Dioxide(CO2)	≤ 10	≤ 5	
	Hydrogen(H2)	≤ 10	≤ 5	
	Oxygen(O2)	≤ 5	≤ 2	
	Acetylene(C2H2)	≤ 10	≤ 5	
	Sulphur(S)	≤ 2	≤ 1	
	Moisture(H2O)	≤ 10	≤ 5	
	Methanol(CH4O)	≤ 10	≤ 10	



Carbon Monoxide

MF: CO
 CAS No.: 630-08-0
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.5%, 99.9%, 99.95%, 99.99%, 99.995%
 Application: Reducing Agent, Gas Fuel, Meat Refreshing, etc.
 DOT Class: 2.1-Flammable Gas, 2.3-Poison Gas
 UN NO.: 1016
 COA: Available

ITEM		INDEX			
Impurities(ppm)	Carbon Monoxide(CO)	≥ 99.9	≥ 99.95	≥ 99.99	≥ 99.995
	Nitrogen(N2)	≤ 500	≤ 200	≤ 80	≤ 20
	Oxygen(O2)	≤ 150	≤ 100	≤ 25	≤ 5
	Moisture(H2O)	≤ 7	≤ 7	≤ 5	≤ 2
	Carbon Dioxide(CO2)	≤ 200	≤ 100	≤ 20	≤ 3
	Hydrogen(H2)			≤ 3	≤ 2
	THC(CH4)			≤ 5	≤ 2



Ammonia

MF: NH₃
 CAS No.: 7664-41-7
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.8%, 99.999%, 99.9999%, 99.99999%
 Application: Fertilizer, Medicine Making, Bio-fuel, Refrigerant, etc.
 DOT Class: 2.2
 UN NO.: 1005
 COA: Available

ITEM	INDEX	
	Ammonia(NH ₃)	
	≥ 99.99999	
Impurities(ppb)	Oxygen(O ₂)	≤ 10
	Nitrogen(N ₂)	≤ 10
	Carbon Monoxide(CO)	≤ 10
	Carbon Dioxide(CO ₂)	≤ 50
	THC	≤ 10
	Moisture(H ₂ O)	≤ 60
	Hydrogen(H ₂)	≤ 50



Xenon

MF: Xe
 CAS No.: 7440-63-3
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.995%, 99.999%
 Application: Illumination, Deep Anesthesia, etc.
 DOT Class: 2.2
 UN NO.: 2036
 COA: Available

ITEM	INDEX		
	≥ 99.995	≥ 99.999	
	Xenon(Xe)		
Impurities(ppm)	Argon(Ar)	≤ 10	≤ 1
	Carbon Dioxide(CO ₂)	≤ 2	≤ 1
	Carbon Tetrafluoride(CF ₄)	≤ 1	≤ 0.5
	Hydrogen(H ₂)	≤ 5	≤ 2
	Krypton(Kr)	≤ 25	≤ 5
	Nitrogen(N ₂)	≤ 5	≤ 2
	Oxygen(O ₂)	≤ 1	≤ 0.5
	THC	≤ 1	≤ 0.5
	Moisture(H ₂ O)	≤ 1	≤ 0.5



Nitrous Oxide

MF: N₂O
 CAS No.: 10028-97-2
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.9%, 99.999%
 Application: Anesthetic, Food and Beverages, etc.
 DOT Class: 2.2
 UN NO.: 1070
 COA: Available

ITEM	INDEX		
	≥ 99.9	≥ 99.999	
	Nitrous Oxide(N ₂ O)		
Impurities(ppm)	Carbon Monoxide(CO)	≤ 5	≤ 1
	Carbon Dioxide(CO ₂)	≤ 20	≤ 1
	Nitrogen(N ₂)	≤ 40	≤ 5
	Oxygen(O ₂)	≤ 5	≤ 1
	Moisture(H ₂ O)	≤ 2	≤ 1
	C1-C5(as CH ₄)	≤ 20	≤ 0.5
	Nitric Oxide(NO)		≤ 0.5
	Nitrogen Dioxide(NO ₂)		≤ 0.5
	Ammonia(NH ₃)		



Neon

MF: Ne
 CAS No.: 7440-1-9
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.995%, 99.999%
 Application: Neon Light, Insulation Detector, etc.
 DOT Class: 2.2
 UN NO.: 1065
 COA: Available

ITEM	INDEX		
	≥ 99.995	≥ 99.999	
	Neon(Ne)		
Impurities(ppm)	Nitrogen(N ₂)	≤ 5	≤ 1
	Oxygen(O ₂)	≤ 1	≤ 1
	Methane(CH ₄)	≤ 1	≤ 0.5
	Moisture(H ₂ O)	≤ 1	≤ 1
	Helium(He)	≤ 10	≤ 3
	Hydrogen(H ₂)	≤ 2	≤ 0.5
	Carbon Monoxide(CO)		≤ 0.5
	Carbon Dioxide(CO ₂)		≤ 0.5
	Sulfur Hexafluoride(SF ₆)		≤ 0.1
	Carbon Tetrafluoride(CF ₄)		≤ 0.1
	Hexafluoroethane(C ₂ F ₆)		≤ 0.1



Krypton

MF: Kr
 CAS No.: 7439-90-9
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.99%, 99.999%
 Application: Illumination, etc.
 DOT Class: 2.2
 UN NO.: 1056
 COA: Available

ITEM		INDEX	
Krypton(Kr)		≥99.99	≥99.999
Impurities(ppm)	Oxygen(O2)	≤5	≤1
	Nitrogen(N2)	≤15	≤5
	Hydrogen(H2)	≤2	≤2
	Xenon(Xe)	≤50	≤35
	THC	≤3	≤2
	Moisture(H2O)	≤3	≤2.5



Hydrogen Sulfide

MF: H2S
 CAS No.: 7783-6-4
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.9%
 Application: Analytical Chemistry, Reducing Agent, etc.
 DOT Class: 2.3
 UN NO.: 1053
 COA: Available

ITEM		INDEX
Hydrogen Sulfide(H2S)		≥99.9
Impurities(ppm)	Carbon Dioxide(CO2)	≤100
	Carbon Disulfide(CS2)	≤200
	Carbonyl Sulfide(COS)	≤600
	Nitrogen(N2)	≤100
	Hydrocarbons	≤100



Hydrogen Bromide

MF: HBr
 CAS No.: 10035-10-6
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.999%
 Application: Sedatives, Anesthetics, Dyes, Pharmaceutical, etc.
 DOT Class: 2.3
 UN NO.: 1048
 COA: Available

ITEM		INDEX
Hydrogen Bromide(HBr)		≥99.999
Impurities(ppm)	Oxygen(O2)	≤1
	Nitrogen(N2)	≤3
	Carbon Dioxide(CO2)	≤3
	Carbon Monoxide(CO)	≤0.5
	Methane(CH4)	≤1.5
	Moisture(H2O)	≤1



Silane

MF: SiH4
 CAS No.: 7803-62-5
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.999%, 99.99999%, 99.999999%
 Application: Semiconductor, Chip, Photovoltaic, etc.
 DOT Class: 2.1
 UN NO.: 2203
 COA: Available

ITEM		INDEX
Silane(SiH4)		≥99.9999
Impurities(ppm)	Carbon Monoxide(CO)+Carbon Dioxide(CO2)	<0.1
	Cl-	<0.1
	C1-C3	<0.2
	Nitrogen(N2)	<0.1
	Oxygen(O2)+Argon(Ar)	<0.1
	Moisture(H2O)	<0.1
	SiH3OSiH3	<0.1
	CH3SiH3	≤0.1
	Si2H6	<0.1
	Hydrogen(H2)	<20



Ethane

MF: C2H6
 CAS No.: 74-84-0
 Grade Standard: Industrial Grade
 Purity: 99.5%
 Application: Refrigerant
 DOT Class: 2.1
 UN NO.: 1035
 COA: Available

	ITEM	INDEX
	Ethane(C2H6)	≥ 99.5
Impurities(ppm)	Methane(CH4)	≤ 0.3
	Ethylene(C2H4)	≤ 0.1
	Propane(C3H8)	≤ 0.1
	Cyclopropane(C3H6)	≤ 0.001
	Isobutane(C4H10)	≤ 0.05
	N-butane(C4H10)	≤ 0.05
	Butylene(C4H8)	≤ 0.01
	Isobutene(C4H8)	≤ 0.01
	C5+	≤ 200
	Carbon Dioxide(CO2)	≤ 100
	Carbon Monoxide(CO)	≤ 2
	Moisture(H2O)	≤ 20



INDUSTRIAL GASES



Oxygen

MF: O2
 CAS No.: 7782-44-7
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.995%, 99.999%
 Application: Metallurgical Industry, Medical Care, Cutting, Welding, etc.
 DOT Class: 2.2
 UN NO.: 1072
 COA: Available

	ITEM	INDEX	
Impurities(ppm)	Oxygen(O2)	≥ 99.995	≥ 99.999
	Nitrogen(N2)	≤ 25	≤ 5
	Carbon Dioxide(CO2)	≤ 0.5	≤ 0.1
	Carbon Monoxide(CO)	≤ 0.5	≤ 0.1
	THC(CH4)	≤ 0.5	≤ 0.1
	Moisture(H2O)	≤ 2	≤ 0.5
	Argon	≤ 3	≤ 3
	Hydrogen(H2)		≤ 0.1
	Nitrous Oxide(N2O)		≤ 1
	Krypton(Kr)	≤ 1	≤ 1
	Neon		≤ 0.1



Nitrogen

MF: N2
 CAS No.: 7727-37-9
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.999%, 99.9995%, 99.9999%
 Application: Shielding Gas, Preservative, etc.
 DOT Class: 2.2
 UN NO.: 1066
 COA: Available

	ITEM	INDEX	
Impurities(ppm)	Nitrogen(N2)	≥ 99.999	≥ 99.9999
	Oxygen(O2)	≤ 3	≤ 0.2
	Carbon Dioxide(CO2)	≤ 1	≤ 0.1
	Carbon Monoxide(CO)	≤ 1	≤ 0.2
	Methane(CH4)	≤ 1	≤ 0.1
	Moisture(H2O)	≤ 3	≤ 0.5



Carbon Dioxide

MF: CO2
 CAS No.: 124-38-9
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.995%, 99.999%
 Application: Frozen Food Storage, Gaseous Fertilizer, Beverages, etc.
 DOT Class: 2.2
 UN NO.: 1013
 COA: Available

ITEM	INDEX		
	≥ 99.995	≥ 99.999	
Carbon Dioxide(CO2)	≥ 99.995	≥ 99.999	
Impurities(ppm)	Oxygen(O2)	≤ 5	≤ 1
	Nitrogen(N2)	≤ 30	≤ 3
	Carbon Monoxide(CO)	≤ 2	≤ 0.5
	THC	≤ 20	≤ 4
	Moisture(H2O)	≤ 8	≤ 3
	Hydrogen(H2)	≤ 2	≤ 0.5



Helium

MF: He
 CAS No.: 7440-59-7
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.999%, 99.9995%, 99.9999%
 Application: Balloon Gas, Analysis, Shielding Gas, etc.
 DOT Class: 2.2
 UN NO.: 1046
 COA: Available

ITEM	INDEX		
	≥ 99.999	≥ 99.9999	
Helium(He)	≥ 99.999	≥ 99.9999	
Impurities(ppm)	Oxygen(O2)	≤ 2	≤ 0.05
	Nitrogen(N2)	≤ 3	≤ 0.4
	Carbon Dioxide(CO2)	≤ 1	≤ 0.1
	Carbon Monoxide(CO)	≤ 1	≤ 0.05
	Methane(CH4)	≤ 1	≤ 0.1
	Moisture(H2O)	≤ 3	≤ 0.2



Argon

MF: Ar
 CAS No.: 7440-37-1
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.999%, 99.9999%
 Application: Welding, Cutting, Illumination, etc.
 DOT Class: 2.2
 UN NO.: 1006
 COA: Available

ITEM	INDEX		
	≥ 99.999	≥ 99.9999	
Argon(Ar)	≥ 99.999	≥ 99.9999	
Impurities(ppm)	Oxygen(O2)	≤ 1	≤ 0.3
	Nitrogen(N2)	≤ 4	≤ 0.7
	Carbon Dioxide(CO2)	≤ 0.5	≤ 0.1
	Carbon Monoxide(CO)	≤ 0.5	≤ 0.1
	Methane(CH4)	≤ 0.5	≤ 0.1
	Moisture(H2O)	≤ 3	≤ 0.5



Hydrogen

MF: H2
 CAS No.: 1333-74-0
 Grade Standard: Industrial Grade to UHP Grade
 Purity: 99.999%, 99.9995%, 99.9999%
 Application: Reducing Agent, Curing Disease, etc.
 DOT Class: 2.1
 UN NO.: 1049
 COA: Available

ITEM	INDEX		
	≥ 99.999	≥ 99.9999	
Hydrogen	≥ 99.999	≥ 99.9999	
Impurities(ppm)	Oxygen(O2)	≤ 1	≤ 0.05
	Nitrogen(N2)	≤ 5	≤ 0.2
	Carbon Dioxide(CO2)	≤ 1	≤ 0.02
	Carbon Monoxide(CO)	≤ 1	≤ 0.02
	Methane(CH4)	≤ 1	≤ 0.01
	Moisture(H2O)	≤ 3	≤ 0.5

CALCIUM CARBIDE (CaC2)

Calcium Carbide is a grey or brown solid and consists of about 80-85% of CaC2 (the rest is Ca, C, etc.). In the presence of trace moisture, technical-grade calcium carbide emits an unpleasant odor reminiscent of garlic. They are normally stored in 50kgs and 100kgs in iron drums which is filled with nitrogen. Applications of calcium carbide include manufacture of acetylene gas, and for generation of acetylene in carbide lamps; manufacture of chemicals for fertilizer, and in steelmaking.



	Size	Net Weight	Gross Weight	Gas Yield	20FT(With pallets)	20FT(Without Pallets)
CaC2	25-50mm	50KG	53.5KGS	295L/KG	390 Drums	450 Drums
		100KG	106KGS		195 Drums	225 Drums

We also can supply other sizes, like 7-15mm, 50-80mm, etc.
Packed in iron drums filled with nitrogen.



CALIBRATION GASES

Calibration Gases, also called reference gases and standard gases, belong to gaseous standard material. It is widely used in fields of chemistry, physics, biology and petrochemical engineering. Calibration gases consist of minimum two, and can be as high as 31 components which are based on customers' requirements. The method of preparation of calibration gases is gravimetric method in an ISO1/ICE: 17025 certified laboratory.

In order to ensure the stability of calibration gases, we need to consider the effect of the cylinder material on the gases. Normally, for most of constant calibration gases, they can be stored in normal steel gas cylinders. But for the calibration gases with trace components like CO, CO2, NO, SO2, they must be stored in aluminum alloy cylinders. For calibration gases with corrosive components like SO2, H2S, NO, NO2, CL2, NH3, PH3, etc., with a concentration of under 10ppm, aluminum alloy cylinders with internal coating must be used. Most calibration gases require use of stainless steel gas valves, such as CGA 660, CGA 890, CGA 350, etc.



Petrochemical Standard Gas

Name	Typical Components
Standard gas for determination of hydrocarbon impurities in Ethylene	CH4 10~100ppm C2H6 50~500ppm C3H8 10~100ppm Propylene 10~100ppm Isobutane 10~100ppm C2H2 50ppm Butane 10~100ppm Allene 10~100ppm (E)-2-Butene 10~100ppm 1-Butylene 10~100ppm Isobutylene 10~100ppm Cis-2-Butene 10~100ppm 1, 3-Butadiene 10~100ppm Methyl Acetylene 10~100ppm Can compound above two components or more as one kind of standard gas. The concentration is based on the requirement.
Standard material for determination of hydrocarbon impurities in Propylene	CH4 10~1000ppm C2H6 10~1000ppm C2H4 10~1000ppm C3H8 50~5000ppm Cyclopropane 10~1000ppm Isobutane 10~1000ppm Butane 10~1000ppm

Name	Typical Components
Standard material for determination of hydrocarbon impurities in Propylene	Allene 10~1000ppm C ₂ H ₂ 10~500ppm (E)-2-Butene 10~1000ppm 1-Butylene 10~1000ppm Isobutylene 10~1000ppm Cis-2-Butene 10~1000ppm 1,3-Butadiene 10~1000ppm Propyne 10~1000ppm Can compound above two components or more as one kind of standard gas. The concentration is based on the requirement.
Standard gas for determination of Carbon Monoxide and Carbon Dioxide in Ethylene/Propylene	CO, CO ₂ each 2~100ppm The concentration can be prepared from ppm to percentage in other uses.
Standard gas for determination of trace Oxygen in Ethylene/Propylene	2~100ppm The concentration can be prepared from ppm to percentage in other uses.
Standard gas for determination of trace Hydrogen in Ethylene/Propylene	2~100ppm The concentration can be prepared from ppm to percentage in other uses.
Standard gas for determination of trace Methanol in Ethylene/Propylene	CH ₄ O 10~2000ppm
Standard material for determination of liquefied Petroleum gas	CH ₄ , C ₂ H ₆ , C ₂ H ₄ , C ₃ H ₈ , Cyclopropane, Propylene, Isobutane, N-Butane, Allene, C ₂ H ₂ , Trans-Butene, 1-Butene, Isobutylene, Cis-Butene, Isopentane, N-Pentane, 1,3-Butadiene, Propyne, N-Hexane Typical Concentration: 0.2%~30%(mol/mol) Can compound above two components or more as one kind of standard gas. The concentration is based on the requirement.
Standard gas for determination of natural gas	H ₂ , O ₂ , N ₂ , CO ₂ , C ₂ H ₆ , C ₃ H ₈ , Isobutane, N-Butane, Neopentane, Isopentane, N-Pentane, N-Hexane, N-Heptane and 1-Octane, etc. Typical concentration: 0.01%~100%(mol/mol) Can compound above two components or more as one kind of standard gas. The concentration is based on the requirement.
Standard material of Sulfide	H ₂ S, SO ₂ , COS, Methyl Mercaptan, Ethyl Mercaptan, Dimethyl Sulfide, Methyl Disulfide, Thiophene, etc. The concentration is from 1ppm~percentage.
Standard material for determination of hydrocarbon impurities in Isobutane	C ₃ H ₈ , Propylene, Allene, Propyne, Isobutane, N-Butane, 1-Butene, Cis-Butene, 1,3-Butadiene, Trans-Butene Typical concentration: 10~5000mg/Kg The concentration can be prepared according to specific requirements.
Standard material for determination of hydrocarbon impurities in 1-Butene	C ₃ H ₈ , Propylene, Allene, Propyne, Isobutane, N-Butane, Isobutylene, Cis-Butene, 1,3-Butadiene, Trans-Butene Typical concentration: 10~5000mg/Kg The concentration can be prepared according to specific requirements.

Name	Typical Components
Standard material for determination of hydrocarbon impurities in Butadiene	C ₃ H ₈ , Propylene, Isobutane, N-Butane, Allene, C ₂ H ₂ , Trans-Butene, Isobutylene, 1-Butene, Cis-2-Butene, Isopentane, Isopentane, 1,3-Butadiene, Propyne, 1-Butyne, Vinyl Acetylene Typical concentration: 10~5000mg/Kg The concentration can be prepared according to specific requirements.
Standard material for determination of purity of MTBE	CH ₄ O, C ₂ H ₆ O, N-Butane, N-Pentane, 1,3-Butadiene, Tert-Butanol, Dimer, etc. Typical concentration: 0.02%~1%wt The concentration can be prepared according to specific requirements.
Standard material of hydrocarbon	Can compound below two components or more as one kind of standard gas. The concentration can be prepared from ppm to percentage. CH ₄ , C ₂ H ₆ , C ₃ H ₈ , N-Butane, Isobutane, N-Pentane, Isopentane, Cyclohexane, Cyclopropane, Epoxyethane, C ₂ H ₄ , Propylene, 1-Butene, 1,3-Butadiene, Isobutylene, 1,2-Butadiene, Cis-2-Butene, Trans-Butene, Allene, Isoamylene, 1-Pentene, Cis-2-Pentene, Trans-2-Pentene, 1-Hexene, C ₈ H ₁₆ , C ₂ H ₂ , Methyl Acetylene, 1-Butyne, Vinyl Acetylene, 4-Ethyl Cyclohexene, etc.
Standard material of benzene series	Nonbenzenoid Aromatic Hydrocarbon, Benzene, Toluene, Ethylbenzene, Paraxylene, Meta-Xylene, Cumene, Ortho-Xylene, N-Propylbenzene, 3-Ethyltoluene, 2-Ethyltoluene, 4-Ethyltoluene, Alpha-Methylstyrene, Phenylacetylene, 1,3-Diethylbenzene, P-Diethyl Benzene, O-Diethylbenzene, N-Butylbenzene, 1,2,4-Triethylbenzene, 1,3,5-Triethylbenzene, Styrene, etc. Can compound above two components or more as one kind of standard gas. The concentration is based on the requirement.
Standard gas for analysis of common components in gas	H ₂ , O ₂ , N ₂ , CO, CO ₂ , CH ₄ , C ₂ H ₆ , C ₂ H ₄ , C ₃ H ₈ , Propylene, etc.

Standard Gas for Pure Gas Analysis

Name	Typical Components
Standard gas for Nitrogen analysis	H ₂ , O ₂ , CO, CO ₂ , CH ₄ Typical concentration: 2~100ppm The concentration can be prepared from ppm to percentage in other uses.
Standard gas for Oxygen analysis	H ₂ , Ar, N ₂ , N ₂ O, CO, CO ₂ , CH ₄ , etc. Typical concentration: 2~100ppm The concentration can be prepared from ppm to percentage in other uses.
Standard gas for Helium analysis	H ₂ , N ₂ , O ₂ , CO, CO ₂ , CH ₄ , etc. Typical concentration: 2~100ppm The concentration can be prepared from ppm to percentage in other uses.

Name	Typical Components
Standard gas for Hydrogen analysis	N ₂ , O ₂ , CO, CO ₂ , CH ₄ Typical concentration: 2~100ppm The concentration can be prepared from ppm to percentage in other uses.
Standard gas for Argon analysis	H ₂ , N ₂ , O ₂ , CO, CO ₂ , CH ₄ Typical concentration: 2~100ppm The concentration can be prepared from ppm to percentage in other uses.

Standard Gas for Environmental Monitoring

Name	Typical Components
Carbon Monoxide standard gas	2~30ppm, 31~500ppm, 501ppm~10%, 11~50% The concentration can be prepared from ppm to percentage in other uses.
Carbon Dioxide standard gas	2~50ppm, 51~1000ppm, 1001ppm~16% The concentration can be prepared from ppm to percentage in other uses.
Sulfur Dioxide standard gas	1~1000ppm The concentration can be prepared from ppm to percentage in other uses.
Hydrogen Sulfide standard gas	1~1000ppm The concentration can be prepared from ppm to percentage in other uses.
Nitrogen Monoxide standard gas	2~1000ppm The concentration can be prepared from ppm to percentage in other uses.
Nitrogen Dioxide standard gas	2~1000ppm The concentration can be prepared from ppm to percentage in other uses.
Hydrochloric Acid standard gas	5~1000ppm The concentration can be prepared from ppm to percentage in other uses.
Ammonia standard gas	10~1000ppm The concentration can be prepared from ppm to percentage in other uses.
Formaldehyde standard gas	2~50ppm.
Standard gas for analysis of benzene series in air	C ₆ H ₆ (75mg/m ³), C ₇ H ₈ (150mg/m ³), C ₈ H ₁₀ (150mg/m ³), Para-Xylene(150mg/m ³), M-Xylene(150mg/m ³), Ortho-Xylene(150mg/m ³), Isopropylbenzene(150mg/m ³), Styrene(150mg/m ³).
TVOC standard gas	Standard gas with 23~45 components.

Standard Gas for Electric Power Industry

Name	Typical Components
Standard gas for determination of gases dissolved in transformer oil	H ₂ 100~1000ppm CO 100~1000ppm CO ₂ 500~5000ppm CH ₄ 30~300ppm C ₂ H ₆ 30~300ppm C ₂ H ₄ 30~300ppm C ₂ H ₂ 30~300ppm Can adjust the concentration of nitrogen or argon to balance the specific concentration.
Standard gas of H ₂ S in SF ₆	5~1000ppm
Standard gas of CO in SF ₆	5~1000ppm
Standard gas of SO ₂ in SF ₆	5~1000ppm
Standard gas for impurity analysis in SF ₆	H ₂ 5ppm O ₂ 5ppm Ar 5ppm N ₂ 5ppm CO 5ppm CO ₂ 5ppm CF ₄ 10ppm C ₂ F ₆ 10ppm C ₃ F ₈ 10ppm SF ₆
Standard gas for impurity analysis in SF ₆	H ₂ S 100ppm SOF ₂ 50ppm SO ₂ F ₂ 100ppm COS 100ppm CS ₂ 100ppm He balance

Standard Gas for Medical and Health

Purpose	Typical Components	Gas Balance
Blood Determination	CO ₂ 5~10%	N ₂
	CO ₂ 5% O ₂ 10~20%	N ₂
	He 9~13%	N ₂
	N ₂ 6~8%	O ₂
Determination of Cerebral Circulation	CO ₂ 5~10%	Air
Determination of Pulmonary Function	CO 0.2% He 10%	Air
	CO ₂ 100~900ppm O ₂ 20%	N ₂

Purpose	Typical Components	Gas Balance
Determination of Pulmonary Function	CO 0.2~0.3% He 10% O2 20%	N2
	CO 0.2% N2O 15% O2 20%	N2
	CO 0.3% CH4 0.3% C2H2 0.3% O2 21%	N2
	CO 0.3% CH4 0.3% O2 21%	N2
Anesthesia	N2O 14~30%	Air
	N2O 50%	O2, Air
Sterilization	C2H4O 5~25%	
Standard gas for Cultivation of Bacteria	H2 5~10% CO2 5~10%	N2
	CO2 4~10%	O2

Standard Gas for Gas Alarm

Typical Components	Gas Balance
CH4 0.5~2.5% (10%LEL~60%LEL)	Air
C3H8 0.5~1.5% (10%LEL~60%LEL)	Air
N-C4H10 0.5~1.5% (10%LEL~60%LEL)	Air
I-C4H10 0.5~1.5% (10%LEL~60%LEL)	Air
C4H8O 1.8%	Air
H2 0.2~2% (10%LEL~60%LEL)	Air
O2 21%	N2
CO 50~150ppm	N2 or Air
H2S 1~100ppm	N2 or Air
SO2 1~50ppm	N2 or Air
C2H4O 1~100ppm	N2 or Air
Cl2 1~100ppm	N2 or Air
NH3 10~100ppm	N2 or Air

Standard Gas for Earthquake Monitoring

Typical Components	Gas Balance
He 0.1% Ar 1% H2 0.1% CO2 25% CH4 1%	N2
He 1% Ar 1.5% H2 0.5% CO 2.5%	N2
He 0.1% Ar 0.1% H2 0.1% CO 5% CO2 15% CH4 5%	N2

Standard Gas for Vehicle Exhaust Monitoring

Typical Components	Gas Balance
C3H8 500~10000ppm	N2
C3H8 500~10000ppm CO 0.5~8%	N2
C3H8 0.1~8% CO 3~5% CO2 9~15%	N2
C3H8 0.1~8% CO 3~5% CO2 9~15% NO 300~3000ppm	N2
NO 0.1~0.5%	N2



ETO STERILIZATION GAS MIXTURES

Ethylene Oxide (ETO) is a common gas used for low temperature sterilization. It is a colorless, poisonous gas that attacks the cellular proteins and nucleic acids of microorganisms. It is most commonly used to sterilize instruments with long lumens such as endoscopes and all materials that have to be sterilized but cannot withstand higher temperature.



The ratios of ETO Sterilization Gas we mainly supply

Item No.	Concentration		Flammability
	Ethylene Oxide %	CO2 %	
1	10	90	Non-Flammable
2	20	80	Flammable
3	30	70	Flammable
4	80	20	Flammable
5	90	10	Flammable

The requirement of the mass fraction of each component in ETO Sterilization Gas

No.	Item	Specification	Specification				
			10%C2H4O	20%C2H4O	30%C2H4O	30%<C2H4O<95%	100%C2H4O
1	Ethylene Oxide	Mass Fraction %	10	20	30	30-95	99.9
		Tolerance		-1%~2%		-1%~+3%	~
2	CO2	Mass Fraction %	90	80	70	70-5	0
		Tolerance		-2%~+1%		-3%~+1%	~
3	Moisture %			~		≤0.05	
4	Total Aldehyde (As Acetaldehyde) %			~		≤0.01	
5	Acid (As Acetaldehyde) %			~		≤0.01	

HELIUM BALLOON TANKS



Model No.: GSGS-HBT1
 Water Capacity: 22.3L
 Weight: 5.1kgs
 Wall Thickness: 1.3mm
 Test Pressure: 23Bar
 Gas Pressure: 18Bar
 9' Latex Balloons Filling: 50-60pcs



Model No.: GSGS-HBT2
 Water Capacity: 13.4L
 Weight: 3.1kgs
 Wall Thickness: 1.0mm
 Test Pressure: 23Bar
 Gas Pressure: 18Bar
 9' Latex Balloons Filling: 30-35pcs



Model No.: GSGS-HBT3
 Water Capacity: 13.4L
 Weight: 4.1kgs
 Wall Thickness: 1.5mm
 Test Pressure: 34.5Bar
 Gas Pressure: 28Bar
 9' Latex Balloons Filling: 50pcs

Model No.: GSGS-HBT4
 Water Capacity: 6.8L
 Weight: 2.5kgs
 Wall Thickness: 1.2mm
 Test Pressure: 34.5Bar
 Gas Pressure: 28Bar
 9' Latex Balloons Filling: 30pcs

SEAMLESS STEEL GAS CYLINDERS

Global Special Gas Service Co., Ltd. offers high pressure seamless steel gas cylinders available in multiple sizes, from 2L to 80L. Higher capacity Seamless Steel Gas Cylinders can also be manufactured as per customers' requirements. All our cylinders conform to DOT-3AA, GB5099, EN1964-1 and ISO 9809-1, 2 & 3 specification. For our customers in Europe, our cylinders are marked with a π (Pi) symbol which is a standard requirement for high pressure cylinders in Europe.



ISO 9809-1 Seamless Steel Gas Cylinders

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades				
ISO140-5-210	140	5	445	7	210	303	34CrMo4				
ISO140-6-210		6	518	8							
ISO140-6.67-210		6.67	566	8.6							
ISO140-7-210		7	590	9							
ISO140-7.5-210		7.5	627	9.5							
ISO140-8-210		8	664	10							
ISO140-9-210		9	737	10.9							
ISO140-10-210		10	810	11.9							
ISO140-11-210		11	883	12.9							
ISO140-13.4-210		13.4	1058	15.2							
ISO140-14-210		14	1102	15.8							
ISO232-25-150		232	25	772				30	150	5.3	37Mn
ISO232-30-150			30	904				34.3			
ISO232-35-150			35	1035				38.6			
ISO232-40-150	40		1167	43							
ISO232-47-150	47		1351	49							
ISO232-50-150	50		1430	51.6							
ISO232-52-150	52		1483	53.4							
ISO232-25-200	232	25	751	31.3	200	5.2	34CrMo4				
ISO232-30-200		30	892	35.8							
ISO232-40-200		40	1156	44.9							
ISO232-46.7-200		46.7	1333	51							
ISO232-47-200		47	1341	51.3							
ISO232-50-200		50	1420	54							

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades
ISO232-25-210	232	25	751	31.3	210	5.5	34CrMo4
ISO232-30-210		30	892	35.8			
ISO232-40-210		40	1156	44.9			
ISO232-46.7-210		46.7	1333	51			
ISO232-47-210		47	1341	51.3			
ISO232-50-210		50	1420	54			
ISO232-25-230	232 (TPED)	25	751	31.3	230	5.8	34CrMo4
ISO232-30-230		30	892	35.8			
ISO232-40-230		40	1156	44.9			
ISO232-46.7-230		46.7	1333	51			
ISO232-47-230		47	1341	51.3			
ISO232-50-230		50	1420	54			
ISO267-40-150	267	40	922	43.3	150	5.8	37Mn
ISO267-50-150		50	1119	51.3			
ISO267-60-150		60	1316	59.3			
ISO267-68-150		68	1474	65.7			
ISO267-70-150		70	1513	67.3			
ISO267-80-150		80	1710	75.4			
ISO267-40-200	267	40	922	43.3	200	6	34CrMo4
ISO267-50-200		50	1119	51.3			
ISO267-60-200		60	1316	59.3			
ISO267-66.7-200		66.7	1448	64.7			
ISO267-70-200		70	1513	67.3			
ISO267-80-200		80	1710	75.4			
ISO267-40-210	267	40	922	43.3	210	6.2	34CrMo4
ISO267-50-210		50	1119	51.3			
ISO267-60-210		60	1316	59.3			
ISO267-66.7-210		66.7	1448	64.7			
ISO267-70-210		70	1513	67.3			
ISO267-80-210		80	1710	75.4			

ISO 9809-3 Seamless Steel Gas Cylinders

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades
ISO102-1.8-150	102	1.8	325	3.5	150	3	37Mn
ISO102-3-150		3	498	5.2			
ISO102-3.4-150		3.4	555	5.7			
ISO102-4.4-150		4.4	700	7.2			

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades
ISO108-1.4-150	108	1.4	240	2.9	150	3.2	37Mn
ISO108-1.8-150		1.8	285	3.3			
ISO108-2-150		2	310	3.6			
ISO108-3-150		3	437	4.9			
ISO108-3.6-150		3.6	515	5.7			
ISO108-4-150		4	565	6.2			
ISO108-5-150		5	692	7.5			
ISO140-3.4-150		140	3.4	321			
ISO140-4-150	4		365	6.4			
ISO140-5-150	5		440	7.6			
ISO140-6-150	6		515	8.8			
ISO140-6.3-150	6.3		545	9.2			
ISO140-6.7-150	6.7		567	9.5			
ISO140-7-150	7		595	9.9			
ISO140-7.5-150	7.5		632	10.5			
ISO140-8-150	8		665	11			
ISO140-9-150	9		745	12.2			
ISO140-10-150	10		830	13.5			
ISO140-11-150	11		885	14.3			
ISO140-13.4-150	13.4		1070	17.1			
ISO140-14-150	14		1115	17.7			
ISO159-7-150	159	7	495	9.8	150	4.7	37Mn
ISO159-8-150		8	554	10.8			
ISO159-9-150		9	610	11.7			
ISO159-10-150		10	665	12.7			
ISO159-11-150		11	722	13.7			
ISO159-12-150		12	790	14.8			
ISO159-12.5-150		12.5	802	15			
ISO159-13.150		13	833	15.6			
ISO159-13.4-150		13.4	855	16			
ISO159-13.7-150		13.7	878	16.3			
ISO159-14-150		14	890	16.5			
ISO159-15-150		15	945	17.5			
ISO159-16-150		16	1000	18.4			
ISO180-8-150		180	8	480			
ISO180-10-150	10		570	16.1			
ISO180-12-150	12		660	18.3			
ISO180-15-150	15		790	21.6			
ISO180-20-150	20		1015	27.2			
ISO180-21-150	21		1061	28.3			
ISO180-21.6-150	21.6		1087	29			
ISO180-22.3-150	22.3		1100	29.4			

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades
ISO219-20-150	219	20	705	27.8	150	6.1	37Mn
ISO219-25-150		25	855	32.8			
ISO219-27-150		27	915	34.8			
ISO219-36-150		36	1185	43.9			
ISO219-38-150		38	1245	45.9			
ISO219-40-150		40	1305	47.8			
ISO219-45-150		45	1455	52.9			
ISO219-46.7-150		46.7	1505	54.6			
ISO219-50-150		50	1605	57.9			

DOT-3AA Seamless Steel Gas Cylinders

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Psi)	Design Wall Thickness (mm)	Material Grades
8CF	90	1.78	394	2.6	1800	2.4	30CrMo
10.8CF	90	2	435	2.9	2100	2.4	30CrMo
10CF	108	2	315	3.1	2015	2.6	30CrMo
15CF	108	4.64	640	5.8	2015	2.6	30CrMo
8.5CF	108	1.62	263.5	3	2100	2.6	30CrMo
11.4CF	108	2.1	330	3.2	2100	2.6	30CrMo
9.2CF	108	1.7	280	2.8	2100	2.6	30CrMo
19CF	108	2.68	395	3.8	2100	2.6	30CrMo
19CF	108 convex	2.68	410	3.6	2175	2.6	30CrMo
16.8CF	108	3	430	4.1	2175	2.6	30CrMo
18CF	108	3.4	485	4.5	2175	2.6	30CrMo
19CF	114	2.8	400	4.8	2610	3.2	30CrMo
27CF	114	4	540	6.3	2610	3.2	30CrMo
16CF	133	3.4	355	5.6	1800	2.5	30CrMo
19CF	133	3.6	375	5.6	2015	3	30CrMo
19.5CF	133	3.6	375	5.6	2100	3	30CrMo
19.6CF	140	3.5	350	7.1	2175	3.6	30CrMo
30.3CF	140	5.4	500	9.3	2175	3.6	30CrMo
37.6CF	140	6.7	575	11.3	2175	3.6	30CrMo
46CF	140	8.2	700	12.4	2175	3.6	30CrMo
57.2CF	140	10.2	850	15	2175	3.6	30CrMo
60CF	140	10.7	890	15.5	2175	3.6	30CrMo
40CF	178	7.8	450	12	2015	4	30CrMo
55CF	178	10.8	590	16	2015	4	30CrMo
80CF	178	15.7	815	21	2015	4	30CrMo
110CF	178	21.65	1085	27	2015	4	30CrMo

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Psi)	Design Wall Thickness (mm)	Material Grades
40CF	178	7.4	440	12.4	2100	4	30CrMo
56.4CF	178	10.4	570	15.5	2100	4	30CrMo
89.8CF	178	16	820	17.2	2175	4	30CrMo
112CF	178	20	1005	21.2	2175	4	30CrMo
75.2CF	178	13.4	695	18.5	2175	4	30CrMo
94.3CF	178	16.8	845	20	2175	4	30CrMo
106CF	178	18.8	935	21	2175	4	30CrMo
45CF	178	8	455	12.5	2175	4	30CrMo
56.1CF	178	10	545	14.5	2175	4	30CrMo
84.2CF	178	15	770	18.6	2175	4	30CrMo
125CF	178	21.65	1085	27	2265	4	30CrMo
125CF	178	21.6	1085	27	2265	4	30CrMo
131CF	178	23.4	1170	29	2265	4	30CrMo
63CF	189	13.4	645	27	2265	3.9	30CrMo
140CF	189	26.6	1170	27	2265	4.2	30CrMo
143CF	189	27.3	1195	29	2265	4.2	30CrMo
138CF	197	26.6	1060	28.5	2015	4.2	30CrMo
86CF	219	17.5	680	32	2015	5	37Mn
187CF	219	32	1095	45	2400	5.7	37Mn
186CF	219	35	1180	45	2175	5.7	37Mn
206CF	219	40	1330	50	2175	5.7	37Mn
225CF	229	43.3	1300	50	2015	5	30CrMo
182CF	229	35	1080	44	2015	5	30CrMo
264CF	229	50	1470	57	2015	5	30CrMo
255CF	229	43.3	1300	52	2265	5.4	30CrMo
275CF	229	46.7	1385	55	2265	5.4	30CrMo
260CF	229	43.3	1300	52	2300	5.4	30CrMo
280CF	229	46.7	1385	55	2300	5.4	30CrMo
300CF	229	50	1475	58	2300	5.4	30CrMo
268CF	229	43.3	1315	55	2400	6.2	30CrMo
289CF	229	46.7	1410	59	2400	6.2	30CrMo
310CF	229	50	1510	65	2400	6.2	30CrMo
317CF	229	43.3	1350	69	3000	7.2	30CrMo
337CF	229	46	1430	71	3000	7.2	30CrMo
364CF	229	47	1460	72	3000	7.2	30CrMo
360CF	229	48.8	1525	75	3000	7.2	30CrMo
380CF	229	50	1540	76	3000	7.2	30CrMo
470CF	229	50	1630	95	3600	8.5	30CrMo
140CF	229	27	880	38	2015	5	37Mn
185CF	229	35	1085	44	2015	5	37Mn
245CF	229	46.7	1385	54	2015	5	37Mn
265CF	229	47	1395	56	2175	5.2	37Mn

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Psi)	Design Wall Thickness (mm)	Material Grades
255CF	229	43.3	1300	52	2265	5.4	37Mn
275CF	229	46.7	1385	55	2265	5.4	37Mn
213CF	232	43.3	1270	50	2015	5.2	30CrMo
260CF	232	40.2	1190	46	2133	5.2	30CrMo
300CF	232	46.7	1370	52	2133	5.2	37Mn
318CF	232	50	1460	55	2133	5.2	37Mn
170CF	232	30	915	37	2175	5.2	37Mn
198CF	232	35	1060	42	2175	5.2	37Mn
225CF	232	40	1180	46	2175	5.2	37Mn
245CF	232	43.3	1270	49	2175	5.2	37Mn
265CF	232	46.7	170	52	2175	5.2	37Mn
249CF	232	47	1375	52	2175	5.2	37Mn
280CF	232	50	1450	55	2175	5.2	37Mn
276CF	232	52	1510	57	2175	5.2	37Mn
275CF	232	43.3	1270	50	2265	5.4	30CrMo
210CF	232	35	1050	41	2300	5.5	37Mn
280CF	232	46.7	1370	52	2300	5.5	37Mn
310CF	232	52	1515	56	2300	5.5	37Mn
234CF	235	50	1420	53	1800	4.5	30CrMo
270CF	235	52	1465	62	2015	5.2	37Mn
300CF	235	50	1435	64	2300	5.8	30CrMo
300CF	235	48.8	1400	62	2400	5.8	30CrMo
160CF	235	21	710	41	3000	7.3	30CrMo
380CF	235	48.8	1460	76	3000	7.3	30CrMo
264CF	267	60	1340	70	1800	6.2	30CrMo
299CF	267	68	1500	78	1800	6.2	30CrMo
351CF	267	80	1750	88	1800	6.2	30CrMo
330CF	267	60	1340	70	2130	6.2	30CrMo
375CF	267	68	1500	78	2130	6.2	30CrMo
440CF	267	80	1750	89	2130	6.2	30CrMo
340CF	267	60	1340	70	2175	6.2	30CrMo
380CF	267	68	1500	78	2175	6.2	30CrMo
379CF	267	80	1750	77.5	2175	6.2	30CrMo
450CF	267	80	1750	89	2175	6.2	30CrMo
350CF	267	60	1340	70	2265	6.2	30CrMo
400CF	267	68	1500	78	2265	6.2	30CrMo
470CF	267	80	1750	89	2265	6.2	30CrMo
360CF	267	60	1340	70	2300	6.3	30CrMo
400CF	267	67.5	1485	77.5	2300	6.3	30CrMo
405CF	267	68	1500	78	2300	6.3	30CrMo
480CF	267	80	1750	89	2300	6.3	30CrMo
370CF	267	60	1340	70	2400	6.6	30CrMo

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Psi)	Design Wall Thickness (mm)	Material Grades
420CF	267	64.9	1440	75	2400	6.6	30CrMo
425CF	267	66	1465	75	2400	6.6	30CrMo
500CF	267	67.5	1485	77.5	2400	6.6	30CrMo
398CF	267	68	1500	78	2400	6.6	30CrMo
468CF	267	80	1750	89	2400	6.6	30CrMo
530CF	267	68	1565	98	3000	8.3	30CrMo
585CF	267	75	1705	106	3000	8.3	30CrMo
600CF	267	77	1770	108	3000	8.3	30CrMo
620CF	267	80	1810	112	3000	8.3	30CrMo
310CF	267	60	1340	70	2015	6.2	37Mn
355CF	267	68	1500	78	2015	6.2	37Mn
420CF	267	80	1750	88	2015	6.2	37Mn
330CF	267	60	1340	70	2130	6.2	37Mn
375CF	267	68	1500	78	2130	6.2	37Mn
440CF	267	80	1750	88	2130	6.2	37Mn
340CF	267	60	1340	70	2175	6.2	37Mn
380CF	267	68	1550	78	2175	6.2	37Mn
379CF	267	67.5	1490	77.5	2175	6.2	37Mn
382CF	267	68.1	1500	78	2175	6.2	37Mn
450CF	267	80	1750	88	2175	6.2	37Mn
405CF	267	68	1510	78	2300	6.3	37Mn
480CF	267	80	1740	88	2300	6.3	37Mn
490CF	267	82	1790	90	2300	6.3	37Mn
395CF	279	70	1445	81	2175	6.3	30CrMo
450CF	279	80	1630	91	2175	6.3	30CrMo
465CF	279	82.5	1650	92	2175	6.3	30CrMo
420CF	279	70	1445	81	2300	6.6	30CrMo
480CF	279	80	1630	91	2300	6.6	30CrMo
490CF	279	82	1650	92	2300	6.6	30CrMo
545CF	279	70	1500	105	3000	8.6	30CrMo
620CF	279	80	1680	115	3000	8.6	30CrMo
640CF	279	82	1700	116	3000	8.6	30CrMo
702CF	279	80	1840	164	3600	11.4	30CrMo
678CF	279	80	1740	140	3626	10.5	30CrMo

GB5099 Seamless Steel Gas Cylinders

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades
WGT68-0.30-20	68	0.3	139	0.58	200	18	34CrMo4
WGT68-0.35-20		0.35	155	0.64			
WGT68-0.36-20		0.36	158	0.65			
WGT68-0.38-20		0.38	164	0.67			
WGT68-0.40-20		0.4	171	0.7			
WGT68-0.45-20		0.45	187	0.76			
WGT68-0.50-20		0.5	203	0.82			
WGT68-0.60-20		0.6	235	0.94			
WGT68-0.70-20		0.7	260	1.03			
WGT89-0.8-20		89	0.8	195			
WGT89-1-20	1		230	1.69			
WGT89-1.2-20	1.2		265	1.85			
WGT89-1.4-20	1.4		300	2.13			
WGT89-2-20	2		410	2.83			
WMA89-1-15	89	1	230	1.72	150	2.3	34Mn
WMA89-1.2-15		1.2	267	1.95			
WMA89-1.4-15		1.4	305	2.2			
WMA89-2-15		2	415	2.9			
WMA108-1.4-15	108	1.4	240	2.9	150	2.9	34Mn
WMA108-1.8-15		1.8	285	3.3			
WMA108-2-15		2	310	3.6			
WMA108-2.2-15		2.2	336	3.9			
WMA108-2.7-15		2.7	400	4.5			
WMA108-3-15		3	437	4.9			
WMA108-3.2-15		3.2	463	5.2			
WMA108-3.4-15		3.4	490	5.4			
WMA108-3.6-15		3.6	515	5.7			
WMA108-4-15		4	565	6.2			
WMA108-4.5-15		4.5	630	6.9			
WMA108-5-15	5	592	0.5				
WMT108-2-15	2	305	3.4	150	3.5	34Mn	
WMA121-2.8-15	121	2.8	350				4.9
WMA121-3-15		3	375				5.2
WMA121-3.2-15		3.2	390				5.4
WMA121-3.5-15		3.5	420				5.7
WMA121-4-15		4	470				6.3
WMT121-3.2-15		3.2	387				5
WMT121-4-15		4	477	6.1			

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades
WMA140-3.4-15	140	3.4	321	5.8	150	4.1	34Mn
WMA140-3.6-15		3.6	335	6			
WMA140-4-15		4	365	6.4			
WMA140-5-15		5	440	7.6			
WMA140-6-15		6	515	8.8			
WMA140-6.3-15		6.3	545	9.2			
WMA140-6.5-15		6.5	557	9.4			
WMA140-6.7-15		6.7	567	9.5			
WMA140-7-15		7	595	9.9			
WMA140-7.5-15		7.5	632	10.5			
WMA140-8-15		8	665	11			
WMA140-9-15		9	745	12.2			
WMA140-10-15		10	830	13.5			
WMA140-11-15		11	885	14.3			
WMA140-13.4-15		13.4	1070	17.1			
WMA140-14-15		14	1115	17.7			
WMA152-6-15	152	6	450	8.5	150	4.4	34Mn
WMA152-7-15		7	510	9.5			
WMA152-7.6-15		7.6	550	10.1			
WMA152-8-15		8	585	10.7			
WMA152-10-15		10	700	12.6			
WMA152-15-15	15	1012	17.7				
WMA159-4-15	159	4	320	6.8	150	4.4	34Mn
WMA159-4.5-15		4.5	350	7.3			
WMA159-7-15		7	495	9.8			
WMA159-8-15		8	554	10.8			
WMA159-9-15		9	610	11.7			
WMA159-10-15		10	665	12.7			
WMA159-11-15		11	722	13.7			
WMA159-12-15		12	790	14.8			
WMA159-12.5-15		12.5	802	15			
WMA159-13-15		13	833	15.6			
WMA159-13.4-15		13.4	855	16			
WMA159-13.5-15		13.5	866	16.1			
WMA159-13.7-15		13.7	878	16.3			
WMA159-14-15		14	890	16.5			
WMA159-15-15		15	945	17.5			
WMA159-16-15		16	1000	18.4			

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades
WMA180-8-15	180	8	480	13.8	150	5.3	37Mn
WMA180-10-15		10	570	16.1			
WMA180-12-15		12	660	18.3			
WMA180-15-15		15	790	21.6			
WMA180-20-15		20	1015	27.2			
WMA180-21-15		21	1061	28.3			
WMA180-21.6-15		21.6	1087	29			
WMA180-22.3-15		22.3	1100	29.4			
WMA219-20-15	219	20	705	27.8	150	5.7	37Mn
WMA219-21-15		21	735	28.8			
WMA219-25-15		25	855	32.8			
WMA219-27-15		27	915	34.8			
WMA219-36-15		36	1185	43.9			
WMA219-38-15		38	1245	45.9			
WMA219-40-15		40	1305	47.8			
WMA219-45-15		45	1455	52.9			
WMA219-46.7-15		46.7	1505	54.6			
WMA219-50-15		50	1605	57.9			
WMA267-40-15	267	40	922	43.3	150	5.8	37Mn
WMA267-50-15		50	1119	51.3			
WMA267-60-15		60	1316	59.3			
WMA267-68-15		68	1474	65.7			
WMA267-70-15		70	1513	67.3			
WMA267-80-15		80	1710	75.4			

EN 1964-1 Seamless Steel Gas Cylinders

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades
EN140-3.4-150	140 (TPED)	3.4	321	2.8	150	4.1	37Mn
EN140-3.6-150		3.6	335	6			
EN140-4-150		4	365	6.4			
EN140-5-150		5	440	7.6			
EN140-6-150		6	515	8.8			
EN140-6.3-150		6.3	545	9.2			
EN140-6.5-150		6.5	557	9.4			
EN140-6.7-150		6.7	567	9.5			
EN140-7-150		7	595	9.9			
EN140-7.5-150		7.5	632	10.5			
EN140-8-150		8	665	11			
EN140-9-150		9	745	12.2			
EN140-10-150		10	830	13.5			
EN140-11-150		11	885	14.3			
EN140-13.4-150	13.4	1070	17.1				
EN140-14-150	14	1115	17.7				

Type	Outside Diameter (mm)	Water Capacity (L)	Height (Without Valve) (mm)	Weight (Without Valve & Cap) (kg)	Working Pressure (Bar)	Design Wall Thickness (mm)	Material Grades
EN159-4-150	159 (TPED)	4	320	6.8	150	4.7	37Mn
EN159-4.5-150		4.5	350	7.3			
EN159-7-150		7	495	9.8			
EN159-8-150		8	554	10.8			
EN159-9-150		9	610	11.7			
EN159-10-150		10	665	12.7			
EN159-11-150		11	722	13.7			
EN159-12-150		12	790	14.8			
EN159-12.5-150		12.5	802	15			
EN159-13-150		13	833	15.6			
EN159-13.4-150		13.4	855	16			
EN159-13.5-150		13.5	866	16.1			
EN159-13.7-150		13.7	878	16.3			
EN159-14-150		14	890	16.5			
EN159-15-150		15	945	17.5			
EN159-16-150		16	1000	18.4			

ALUMINUM ALLOY GAS CYLINDERS

GSGS's aluminum gas cylinders are manufactured from high strength aluminum alloy 6061-T6, which is the best material for various gases because it can maintain excellent quality and gas purity. Our aluminum cylinders are made strictly as per EN ISO & ISO 7866, DOT-3AL, EN 1975, GB 11640 and TC-3ALM. Based on this, we have been exporting our high quality aluminum gas cylinders to many countries.

GSGS's aluminum gas cylinders store gases for a wide variety of applications including ultra-high purity gases for electronics manufacturing, special and calibration gases, industrial gases, medical oxygen, food and beverage grade CO2, SCUBA, fire & rescue, etc.



For Industrial Gases, Special Gases and Calibration Gases

Model No.	Water Capacity(L)	Outside Diameter(mm)	Length (mm)	Wall Thickness (mm)	Net Weight (kg)	Service Pressure(MPa)
LW-60-0.5-15-H	0.5	60	267	3	0.4	15
LW-60-0.6-15-H	0.6	60	310	3	0.5	15
LW-75-0.7-15-H	0.7	75	295	3.8	0.7	15
LW-82-0.7-15-H	0.7	82	235	4.2	0.8	15
LW-89-0.5-15-H	0.5	89	187	4.5	0.6	15
LW-89-0.7-15-H	0.7	89	227	4.5	0.8	15
LW-89-1-15-H	1	89	287	4.5	1	15
LW-89-1.4-15-H	1.4	89	367	4.5	1.3	15
LW-108-0.7-15-H	0.7	108	189	5.5	1.1	15
LW-108-1-15-H	1	108	201	5.5	1.3	15
LW-108-1.4-15-H	1.4	108	284	5.5	1.6	15
LW-108-2-15-H	2	108	360	5.5	2.2	15
LW-108-2.5-15-H	2.5	108	423	5.5	2.5	15
LW-108-3-15-H	3	108	490	5.5	2.9	15
LW-111-1.4-15-H	1.4	111	242	5.4	1.8	15
LW-111-2-15-H	2	111	318	5.4	2.1	15
LW-111-3-15-H	3	111	445	5.4	2.8	15
LW-111-4-15-H	4	111	572	5.4	3.4	15
LW-111-4.6-15-H	4.6	111	648	5.4	3.7	15
LW-120-2.8-15-H	2.8	120	398	6.1	2.7	15
LW-120-3.2-15-H	3.2	120	437	6.1	3.1	15
LW-140-4-15-H	4	140	393	6.8	3.6	15

Model No.	Water Capacity(L)	Outside Diameter(mm)	Length (mm)	Wall Thickness (mm)	Net Weight (kg)	Service Pressure(MPa)
LW-140-5-15-H	5	140	482	6.8	4.2	15
LW-140-6-15-H	6	140	551	6.8	4.8	15
LW-140-8-15-H	8	140	711	6.8	6.1	15
LW-140-10-15-H	10	140	870	6.8	7.3	15
LW-159-10-15-H	10	159	711	8	8.2	15
LW-180-10-15-H	10	180	406	8.8	8.4	15
LW-203-6-15-H	6	203	325	9.9	8.1	15
LW-203-12-15-H	12	203	552	9.9	11.8	15
LW-203-13.4-15-H	13.4	203	606	9.9	12.7	15
LW-203-15-15-H	15	203	666	9.9	13.7	15
LW-203-20-15-H	20	203	856	9.9	16.8	15
LW-232-30-15-H	30	232	1236	11.6	23	15
LW-232-40-15-H	40	232	1281	11.6	30	15
LW-232-50-15-H	50	232	1573	11.6	36.4	15
LW-117-2.5-20-H	2.5	117	381	7.5	3.2	20
LW-117-3-20-H	3	117	443	7.5	3.6	20
LW-140-5-20-H	5	140	518	9.2	5.9	20
LW-184-7-20-H	7	184	456	12.5	9.8	20
LW-184-11-20-H	11	184	657	12.5	13.5	20
LW-250-50-20-H	50	250	1477	16.2	50.2	20
LW-60-0.3-30-H	0.3	60	219	5.6	0.6	30
LW-60-0.4-30-H	0.4	60	273	5.6	0.7	30
LW-60-0.5-30-H	0.5	60	325	5.6	0.9	30
LW-60-0.6-30-H	0.6	60	380	5.6	1	30
LW-60-0.7-30-H	0.7	60	433	5.6	1.1	30

For Medical Oxygen

Model No.	Water Capacity(L)	Outside Diameter(mm)	Length (mm)	Wall Thickness (mm)	Net Weight (kg)	Service Pressure(MPa)
LW-60-0.5-15-H	0.5	60	267	3	0.4	15
LW-60-0.6-15-H	0.6	60	310	3	0.5	15
LW-75-0.7-15-H	0.7	75	295	3.8	0.7	15
LW-82-0.7-15-H	0.7	82	235	4.2	0.8	15
LW-89-0.5-15-H	0.5	89	187	4.5	0.6	15
LW-89-0.7-15-H	0.7	89	227	4.5	0.8	15
LW-89-1-15-H	1	89	287	4.5	1	15
LW-89-1.4-15-H	1.4	89	367	4.5	1.3	15
LW-108-0.7-15-H	0.7	108	189	5.5	1.1	15
LW-108-1-15-H	1	108	201	5.5	1.3	15
LW-108-1.4-15-H	1.4	108	284	5.5	1.6	15
LW-108-2-15-H	2	108	360	5.5	2.2	15
LW-108-2.5-15-H	2.5	108	423	5.5	2.5	15

Model No.	Water Capacity(L)	Outside Diameter(mm)	Length (mm)	Wall Thickness (mm)	Net Weight (kg)	Service Pressure(MPa)
LW-108-3-15-H	3	108	490	5.5	2.9	15
LW-111-1.4-15-H	1.4	111	242	5.4	1.8	15
LW-111-2-15-H	2	111	318	5.4	2.1	15
LW-111-3-15-H	3	111	445	5.4	2.8	15
LW-111-4-15-H	4	111	572	5.4	3.4	15
LW-111-4.6-15-H	4.6	111	648	5.4	3.7	15
LW-120-2.8-15-H	2.8	120	398	6.1	2.7	15
LW-120-3.2-15-H	3.2	120	437	6.1	3.1	15
LW-140-4-15-H	4	140	393	6.8	3.6	15
LW-140-5-15-H	5	140	482	6.8	4.2	15
LW-140-6-15-H	6	140	551	6.8	4.8	15
LW-140-8-15-H	8	140	711	6.8	6.1	15
LW-140-10-15-H	10	140	870	6.8	7.3	15
LW-159-10-15-H	10	159	711	8	8.2	15
LW-180-10-15-H	10	180	406	8.8	8.4	15
LW-203-6-15-H	6	203	325	9.9	8.1	15
LW-203-12-15-H	12	203	552	9.9	11.8	15
LW-203-13.4-15-H	13.4	203	606	9.9	12.7	15
LW-203-15-15-H	15	203	666	9.9	13.7	15
LW-203-20-15-H	20	203	856	9.9	16.8	15
LW-232-30-15-H	30	232	1236	11.6	23	15
LW-232-40-15-H	40	232	1281	11.6	30	15
LW-232-50-15-H	50	232	1573	11.6	36.4	15
LW-117-2.5-20-H	2.5	117	381	7.5	3.2	20
LW-117-3-20-H	3	117	443	7.5	3.6	20
LW-140-5-20-H	5	140	518	9.2	5.9	20
LW-184-7-20-H	7	184	456	12.5	9.8	20
LW-184-11-20-H	11	184	657	12.5	13.5	20
LW-250-50-20-H	50	250	1477	16.2	50.2	20
LW-60-0.3-30-H	0.3	60	219	5.6	0.6	30
LW-60-0.4-30-H	0.4	60	273	5.6	0.7	30
LW-60-0.5-30-H	0.5	60	325	5.6	0.9	30
LW-60-0.6-30-H	0.6	60	380	5.6	1	30
LW-60-0.7-30-H	0.7	60	433	5.6	1.1	30

American-Standard Medical Oxygen Cylinders

Model No.	Water Capacity(L)	Outside Diameter(mm)	Length (mm)	Wall Thickness (mm)	Net Weight (kg)	Service Pressure(MPa)
LW-111-1.2-15-H(ML6)	1.2	111	225	5.5	1.4	15
LW-111-1.7-15-H(M9)	1.7	111	290	5.5	1.8	15

Model No.	Water Capacity(L)	Outside Diameter(mm)	Length (mm)	Wall Thickness (mm)	Net Weight (kg)	Service Pressure(MPa)
LW-111-2.9-15-H(MD)	2.9	111	461	5.5	2.7	15
LW-111-4.6-15-H(ME)	4.6	111	688	5.5	4.9	15
LW-184-10.5-15-H(M60)	10.5	184	585	9.3	10.5	15
LW-184-15.7-15-H(M90)	15.7	184	830	9.3	14	15
LW-203-21.4-15-H(MM)	21.4	203	954	11.7	18	15

For Beverage CO2

Model No.	Water Capacity(L)	Outside Diameter(mm)	Length (mm)	Wall Thickness (mm)	Net Weight (kg)	Service Pressure(MPa)
LW-60-0.6-15-H	0.6	60	332	4	0.8	15
LW-75-0.7-15-H	0.7	75	295	4.1	0.8	15
LW-82-0.7-15-H	0.7	82	235	4.2	0.9	15
LW-89-0.5-15-H	0.5	89	187	4.5	0.5	15
LW-89-0.7-15-H	0.7	89	227	4.5	0.7	15
LW-89-1-15-H	1	89	287	4.5	0.9	15
LW-89-1.4-15-H	1.4	89	367	4.5	1.2	15
LW-108-0.7-15-H	0.7	108	169	5.5	1.1	15
LW-108-1-15-H	1	108	210	5.5	1.3	15
LW-108-1.4-15-H	1.4	108	264	5.5	1.6	15
LW-108-2-15-H	2	108	365	5.6	2.2	15
LW-108-2.5-15-H	2.5	108	433	5.6	2.6	15
LW-108-3-15-H	3	108	490	5.6	3	15
LW-111-4-15-H	4	111	597	5.6	3.4	15
LW-120-2.8-15-H	2.8	120	398	6.1	3.1	15
LW-120-3.2-15-H	3.2	120	437	6.1	3.5	15
LW-140-4-15-H	4	140	430	7.1	4.3	15
LW-140-5-15-H	5	140	507	7.1	5.1	15
LW-140-6-15-H	6	140	590	7.1	6	15
LW-140-8-15-H	8	140	745	7.1	7.7	15
LW-140-10-15-H	10	140	905	7.1	8.9	15
LW-159-10-15-H	10	159	735	8.1	8.8	15
LW-180-10-15-H	10	180	605	9.1	10.1	15
LW-203-12-15-H	12	203	587	10.3	12	15
LW-203-13.4-15-H	13.4	203	640	10.3	13.8	15
LW-203-15-15-H	15	203	715	10.3	15.6	15
LW-203-20-15-H	20	203	900	10.3	18.1	15
LW-232-30-15-H	30	232	1090	11.7	30.8	15
LW-232-40-15-H	40	232	1340	11.7	36.5	15
LW-232-50-15-H	50	232	1675	11.7	44.5	15

For SCUBA

Model No.	Water Capacity(L)	Outside Diameter(mm)	Length (mm)	Net Weight (kg)	Service Pressure(MPa)
LW-140-5-20-H	5	140	518	7.4	20
LW-140-10-20-H	10	140	549	11.9	20
LW-152-4.4-20-H	4.4	152	420	6.5	20
LW-152-5-20-H	5	152	460	7	20
LW-152-7-20-H	7	152	610	8.6	20
LW-175-10-20-H	10	175	640	10.7	20
LW-180-9-20-H	9	180	562	10.1	20
LW-184-11-20-H	11	184	670	13	20
LW-184-12-20-H	12	184	720	13.9	20
LW-203-12-20-H	12	203	595	14.39	20
LW-203-15-20-H	15	203	718	17.07	20
LW-203-20-20-H	20	203	924	21.56	20

For Portable Oxygen Device

Water Capacity(L)	Outside Diameter (mm)	Length (mm)	Net Weight (kg)	Service Pressure (MPa)	Time of Oxygen Supply (When Used for 1L/min)
1	89	345	≤1.3	15	140
1.4	89	415	≤1.7	15	200
2	108	435	≤2.3	15	280
2.8	120	395	≤2.7	15	392
3.2	120	510	≤3.6	15	448
4	140	490	≤4.5	15	600
6	140	583	≤5.7	15	798
8	140	830	≤8.3	15	1200
10	159	765	≤11	15	1400
10*2	159	765	≤22	15	2800

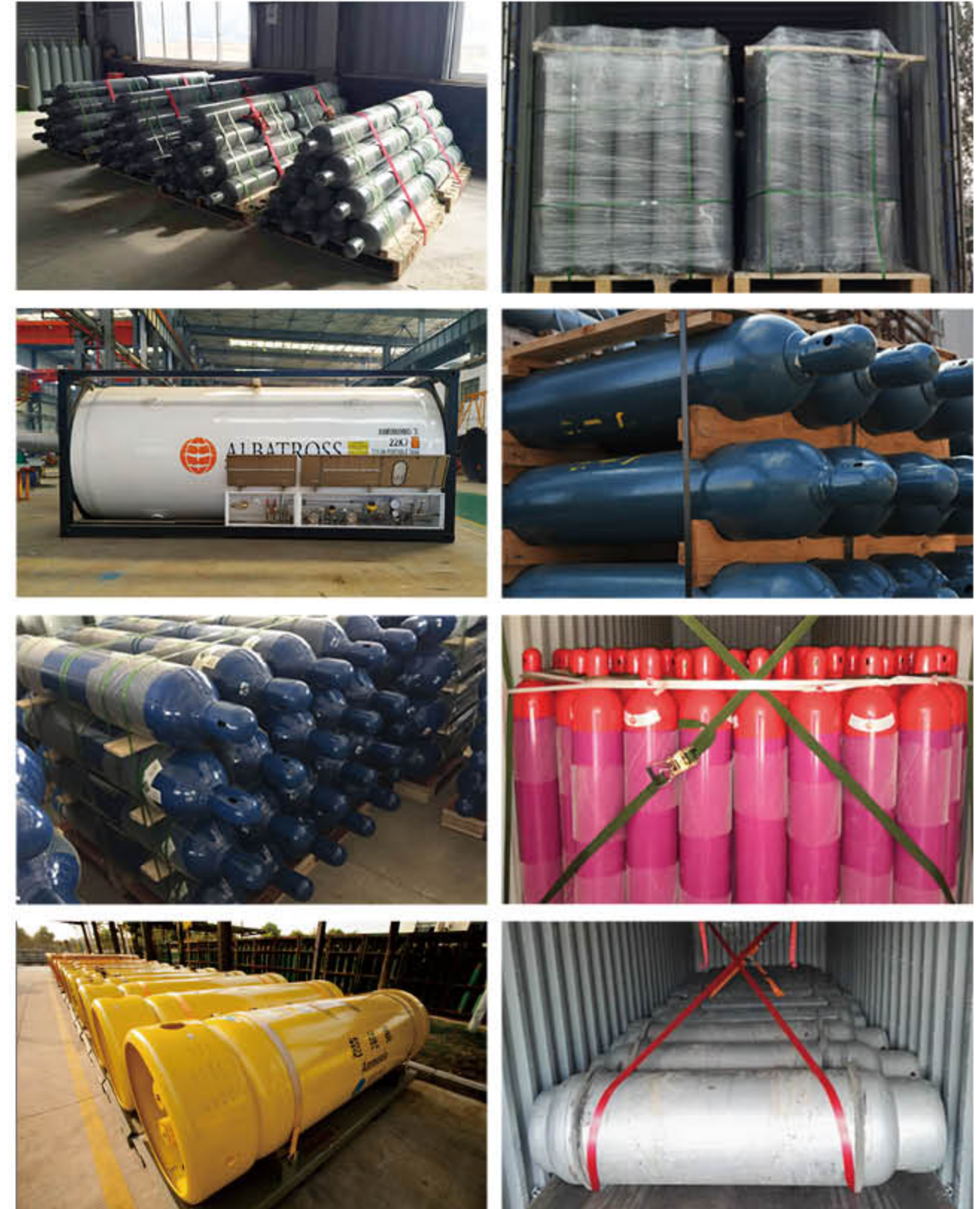
For Sampling

Model No.	Water Capacity(L)	Outside Diameter(mm)	Length (mm)	Wall Thickness (mm)	Net Weight (kg)	Service Pressure(MPa)
LW-89-0.7-15	0.7	89	232	4.5	0.7	15
LW-89-1-15	1	89	291	4.5	0.9	15
LW-89-2-15	2	89	361	4.5	1.6	15
LW-108-1-15	1	108	252	5.5	1	15
LW-108-2-15	2	108	386	5.5	1.8	15
LW-108-3-15	3	108	520	5.5	2.6	15
LW-108-4-15	4	108	654	5.5	3.4	15
LW-140-4-15	4	140	450	7.1	4.5	15
LW-140-6-15	6	140	611	7.1	5.3	15
LW-140-8-15	8	140	771	7.1	6.7	15

DISPOSABLE ALUMINUM ALLOY GAS CYLINDERS

Picture	Water Capacity	Outside Diameter ±1mm	Length(Approx.)	Empty Weight (Approx.)
	0.9	90	200	0.6
Working pressure-500 psi (35 Bar), 1000 psi (70 Bar)				
	1	90	215	0.6
Working pressure-500 psi (35 Bar), 1000 psi (70 Bar)				
	1.55	90	308	0.8
Working pressure-500 psi (35 Bar), 1000 psi (70 Bar)				
	1.72	90	338	0.8
Working pressure-500 psi (35 Bar), 1000 psi (70 Bar)				
	1	74	282	0.8
Working pressure-500 psi (35 Bar), 1000 psi (70 Bar)				

PACKAGING & SHIPMENT



CGA VALVES

Pure Gases CGA Selection Chart For Fittings

CGA Fittings Required	Pure Gases
510/300	Acetylene
590/346/347/702	Air
240/660/705	Ammonia
580/680/677	Argon
350	Arsine*
320	Carbon Dioxide
350	Carbon Monoxide
660	Chlorine
510	Cyclopropane
350	Deuterium
350	Ethane
350	Ethylene
510	Ethylene Oxide
580/680/677	Helium
350/695/703	Hydrogen
330	Hydrogen Chloride
330	Hydrogen Sulfide
580	Krypton
350/695/703	Methane
510	Methyl Chloride
580/680/677	Neon
580/680/677	Nitrogen
326	Nitrous Oxide
540/577/701	Oxygen*
350	Phosphine
510	Propane
350	Silane*
668/660	Sulfur Dioxide
590	Sulfur Hexafluoride
580/680/677	Xenon

Mixed Gases CGA Selection Chart For Fittings

CGA Fittings Required	Mixed Gases	
	Minor Component in Major Component	
240/660/70	Ammonia	Nitrogen
350	Butane	Nitrogen
296	Carbon Dioxide	Oxygen
580	Carbon Dioxide	Helium or Nitrogen
580	Carbon Dioxide and/or Nitrogen	Helium
590	Carbon Monoxide	Air
330	Chlorine	Nitrogen
350	Diborane	Argon, Helium, Hydrogen, Nitrogen
580	Freon-12	Nitrogen
296	Helium	Oxygen
350	Hexane	Nitrogen
350	Isobutane	Nitrogen
580	Krypton	Argon
590	Methane	Air
580	Moisture	Argon, Helium or Nitrogen
660	Nitric Oxide	Nitrogen
660	Nitrogen Dioxide	Air or Nitrogen
590	Nitrous Oxide	Nitrogen
590	Oxygen	Nitrogen or Helium
350	Propane	Nitrogen or Helium
590	Propane	Air
660	Sulfur Dioxide	Air or Nitrogen
590	Sulfur Hexafluoride	Argon, Helium or Nitrogen
350	Sulfur Hexafluoride	Hydrogen

CGA 330, CGA 350 and CGA 660 are also available in Stainless Steel for corrosive gases.

It is recommended that the user thoroughly familiarize himself with the specific properties of these gases.

The Compressed Gas Association (CGA) has selected and standardized the valve outlet to be used on each gas cylinder. These standards, contained in the document "CGA STANDARD V-1, Compressed Gas Cylinder Valve Outlet Connections", have been adopted to prevent the inadvertent mixing of gases which could be reactive and to avoid other possible misuse hazards.

The above chart may be used for guide purposes only. Consult us to determine the actual CGA connection required when ordering a regulator.

Since the combined characteristics of a mixture of gases often differ from the properties of the separate components, different CGA connections are often required. The CGA has selected and standardized the valve outlets to be used with mixed gases. These standards are described in CGA publication V-7 - "Standard Method for Determining Cylinder Valve Outlet Connections for Industrial Gas Mixtures".

Mixtures which use the same CGA connection as if the minor component were in its pure gas form have not been included for the sake of brevity. The proper fitting for these mixtures can be determined by looking up the minor component on the chart for pure gases.



GAS REGULATORS

Global Special Gas Service Co., Ltd. offers a complete line of gas pressure regulators that can be utilized with non-corrosive or corrosive gases or liquids. These gas regulators are designed to reduce pressure in cylinders to ensure that your operations are carried out safely and effectively. We have a wide selection of regulators to meet your needs. Our regulators can be used in a wide variety of applications, including: power plant, petrochemical industry, research laboratories, gas chromatography, process analyzers, etc.



GSGS-RE1 Series - Single Stage Diaphragm Regulator (High Purity, Low Flow)

Product Material

Body: Brass, 316L
 Seat: PCTFE, PTFE
 Diaphragm: Hastelloy
 Filter: 316L
 Spring: 316L

Specifications

Single-Stage Diaphragm Construction
 Inlet and Outlet Port Size: 1/4"NPT(F)
 Safety Pressure: 1.5 times maximum inlet pressure
 Temperature Range: -40°F~-165°F (-40°C~74°C)
 Leakage Rate: 2*10-8atm.cc/sec He
 Maximum CV: 0.14
 Weight: 0.9kg
 CE: EN334:2005+A1:2009



Product Parameters

Series	Body Port	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Outlet Connector	Options
GSGS-RE1	B	D	F	G	00	00	P
GSGS-RE1A (316L)	A	B: 4500psi	F: 0-500psi	G: Mpa gauge	00: 1/4"NPT(F)	00: 1/4"NPT(F)	P: Panel installation
	B	C: 4000psi	G: 0-250psi	P: psi/bar gauge	01: 1/4"NPT(M)	01: 1/4"NPT(M)	R: With safety valve
	D	D: 3500psi	H: 0-145psi	W: No gauge	23: CGA330	10: 1/8" LOK-fitting	N: With needle valve
GSGS-RE1B (Brass)	G	E: 3000psi	I: 0-100psi		24: CGA350	11: 1/4" LOK-fitting	D: With diaphragm valve
	J	F: 500psi	K: 0-50psi		27: CGA580	12: 3/8" LOK-fitting	
	M		L: 0-25psi		28: CGA660	15: 6mm LOK-fitting	
	Q		Q: 30"HgVac-30psi		30: CGA590	16: 8mm LOK-fitting	
			S: 30"HgVac-60psi		52: G5/8"-RH(F)	74: M8*1RH(M)	
		T: 30"HgVac-100psi		63: W21.8-14RH(F)	Other connectors are optional		
		U: 30"HgVac-200psi		64: W21.8-14LH(F)	Other connectors are optional		

GSGS-RE2 Series - Single Stage Diaphragm Regulator (High Purity, Medium Flow)

Product Material

Body: Brass, 316L
 Cover: Brass, 316L
 Seat: PCTFE, PTFE
 Diaphragm: 316L
 Filter: 316L
 Spring: 316L

Specifications

Single-Stage Diaphragm Construction
 Inlet and Outlet Port Size: 1/2"NPT(F)
 Pressure Gauge and Safety Valve Port Size: 1/4"NPT(F)
 Safety Pressure: 1.5 times maximum inlet pressure
 Temperature Range: -40°F~-165°F (-40°C~74°C)
 Leakage Rate: 2*10-8atm.cc/sec He
 Maximum CV: 1.1
 Weight: 1.6kg
 CE: EN334:2005+A1:2009

Typical Applications

Purging System
 Specialty Gas
 Laboratory Testing
 Petrochemical Industry
 Gas Bus
 Power Plant Equipment
 Coal Mine



Product Parameters

Series	Body Port	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Outlet Connector	Options
GSGS-RE2	B	D	H	G	02	02	P
GSGS-RE2A (316L)	A	B: 4500psi	F: 0-500psi	G: Mpa gauge	02: 3/8"NPT(F)	02: 3/8"NPT(F)	P: Panel installation
	B	C: 4000psi	G: 0-250psi	P: psi/bar gauge	03: 3/8"NPT(M)	03: 3/8"NPT(M)	R: With safety valve
	D	D: 3500psi	H: 0-145psi	W: No gauge	04: 1/2"NPT(F)	04: 1/2"NPT(F)	
GSGS-RE2B (Brass)	G	E: 3000psi	I: 0-100psi		05: 1/2"NPT(M)	05: 1/2"NPT(M)	
	J	F: 500psi	K: 0-50psi		12: 3/8" LOK-fitting	12: 3/8" LOK-fitting	
	M		L: 0-25psi		13: 1/2" LOK-fitting	13: 1/2" LOK-fitting	
	Q		Q: 30"HgVac-30psi		Other connectors are optional	Other connectors are optional	
			S: 30"HgVac-60psi				
		T: 30"HgVac-100psi					
		U: 30"HgVac-200psi					

GSGS-RE3 Series - Single Stage Diaphragm Regulator (High Purity, High Flow)

Product Material

Body: Brass, 316L
 Cover: Brass, 316L
 Seat: PCTFE, PTFE
 Diaphragm: Hastelloy, 316L
 Filter: 316L
 Spring: 316L

Specifications

Single-Stage Diaphragm Construction
 Inlet and Outlet Port Size: 3/4"NPT(F)
 Pressure Gauge and Safety Valve Port Size: 1/4"NPT(F)
 Safety Pressure: 1.5 times maximum inlet pressure
 Temperature Range: -40°F~-165°F (-40°C~-74°C)
 Leakage Rate: 2*10-8atm.cc/sec He
 Maximum CV: 1.8
 Weight: 1.6kg

Typical Applications

Purging System
 Specialty Gas
 Laboratory Testing
 Petrochemical Industry



Product Parameters

Series	Body Port	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Outlet Connector	Options
GSGS-RE3	B	E	H	G	05	05	P
GSGS-RE3A (316L)	A	B: 4500psi	F: 0-500psi	G: Mpa gauge	04: 1/2"NPT(F)	04: 1/2"NPT(F)	P: Panel installation N: With needle valve D: With Diaphragm valve
	B	C: 4000psi	G: 0-250psi	P: psi/bar gauge	05: 1/2"NPT(M)	05: 1/2"NPT(M)	
	D	D: 3500psi	H: 0-145psi	W: No gauge	06: 3/4"NPT(F)	06: 3/4"NPT(F)	
GSGS-RE3B (Brass)	G	E: 3000psi	I: 0-100psi		13: 1/2" LOK-fitting	13: 1/2" LOK-fitting	Other connectors are optional
	J	F: 500psi	K: 0-50psi		14: 3/4"LOK-fitting	14: 3/4"LOK-fitting	
	M		L: 0-25psi				
			Q: 30"HgVac-30psi				
			S: 30"HgVac-60psi				
			T: 30"HgVac-100psi				

GSGS-RE4 Series - Single Stage Piston Regulator (High Pressure, Low Flow)

Product Material

Body: 316L
 Piston: 316L
 Seat: PCTFE
 Filter: 316L
 Spring: 316L

Specifications

Single-Stage Piston Construction
 Inlet and Outlet Port Size: 1/4"NPT(F)
 Safety Pressure: 1.5 times maximum inlet pressure
 Temperature Range: -40°F~-165°F (-40°C~-74°C)
 Leakage Rate: 2*10-8atm.cc/sec He
 Maximum CV: 0.06
 Weight: 0.9kg
 CE: EN334:2005+A1:2009

Typical Applications

Flow Control
 Gas Bus
 Laboratory Testing
 Gas Analysis



Product Parameters

Series	Body Port	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Outlet Connector	Options
GSGS-RE4	B	B	H	G	00	00	P
GSGS-RE4A (316L)	A	B: 4500psi	D: 0-3000psi	G: Mpa gauge	00: 1/4"NPT(F)	00: 1/4"NPT(F)	P: Panel installation N: With needle valve D: With Diaphragm valve
	B	C: 4000psi	E: 0-1500psi	P: psi/bar gauge	01: 1/4"NPT(M)	01: 1/4"NPT(M)	
	D	D: 3500psi	F: 0-500psi	W: No gauge	10: 1/8"LOK-fitting	10: 1/8"LOK-fitting	
GSGS-RE4B (Brass)	G	E: 3000psi	H: 0-145psi		11: 1/4"LOK-fitting	11: 1/4"LOK-fitting	Other connectors are optional
					15: 6mm LOK-fitting	15: 6mm LOK-fitting	
					16: 8mm LOK-fitting	16: 8mm LOK-fitting	
					Other connectors are optional	Other connectors are optional	

GSGS-RE5 Series - Dual Stage Diaphragm Regulator (High Purity, Low Pressure)

Product Material

Body: Brass, 316L
 Seat: PCTFE, PTFE
 Diaphragm: Hastelloy, 316L
 Filter: 316L
 Spring: 316L

Specifications

Dual-Stage Diaphragm Construction
 Inlet and Outlet Port Size: 1/4"NPT(F)
 Safety Pressure: 1.5 times maximum inlet pressure
 Temperature Range: -40°F~-165°F (-40°C~74°C)
 Leakage Rate: 2*10-8atm.cc/sec He
 Maximum CV: 0.06
 Weight: 1.4kg
 CE: EN334:2005+A1:2009

Typical Applications

Gas Laser
 Petrochemical Industry
 Power Plant Equipment
 Laboratory Testing
 Gas Analysis



Product Parameters

Series	Body Port	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Outlet Connector	Options
GSGS-RE5	M	D	G	G	00	00	P
GSGS-RE5A (316L)	M Q	B: 4500psi C: 4000psi D: 3500psi E: 3000psi F: 500psi	F: 0-500psi G: 0-250psi H: 0-145psi I: 0-100psi K: 0-50psi L: 0-25psi Q: 30"HgVac-30psi S: 30"HgVac-60psi T: 30"HgVac-100psi U: 30"HgVac-200psi	G: Mpa gauge P: psi/bar gauge W: No gauge	00: 1/4"NPT(F) 01: 1/4"NPT(M) 23: CGA330 24: CGA350 27: CGA580 28: CGA660 30: CGA590 52: G5/8"-RH(F) 63: W21.8-14RH(F) 64: W21.8-14LH(F) Other connectors are optional	00: 1/4"NPT(F) 01: 1/4"NPT(M) 10: 1/8" LOK-fitting 11: 1/4" LOK-fitting 12: 3/8" LOK-fitting 15: 6mm LOK-fitting 16: 8mm LOK-fitting 74: M8*1RH(M) Other connectors are optional	P: Panel installation R: With safety valve N: With needle valve D: With Diaphragm valve

GSGS-RE6 Series - Single Stage Diaphragm Regulator (Ultra High Flow)

Product Material

Body: 316L, Brass
 Diaphragm: Buna-N Rubber (Nylon Reinforced)
 Seat: Buna-N Rubber
 Spring: 316L

Specifications

Single-Stage Diaphragm Construction
 Inlet and Outlet Port Size: 1"NPT(F)
 Pressure Gauge Port Size: 1/4"NPT(F)
 Safety Pressure: 1.5 times maximum inlet pressure
 Temperature Range: -10°F~-250°F (-23°C~121°C)
 Maximum CV: 5.2
 Weight: 6kg

Typical Applications

Low Pressure Tank
 Petrochemical Industry
 Power Plant Equipment
 Heat-Treating Facility



Product Parameters

Series	Body Port	Inlet Pressure	Outlet Pressure	Gauge	Inlet Connector	Outlet Connector
GSGS-RE6	B	F	G	G	06	06
GSGS-RE6A (316L)	A B D	F: 500psi	G: 0-250psi H: 0-125psi I: 0-100psi	G: Mpa gauge P: psi/bar gauge W: No gauge	06: 3/4"NPT(F) 07: 3/4"NPT(M) 08: 1"NPT(F) 09: 1"NPT(M) Other connectors are optional	06: 3/4"NPT(F) 07: 3/4"NPT(M) 08: 1"NPT(F) 09: 1"NPT(M) Other connectors are optional
GSGS-RE6B (Brass)	G		K: 0-50psi L: 0-25psi			

GSGS-RE7 Series - Single Stage Diaphragm Regulator (Back Pressure, Low Flow)

Product Material

Body: 316L, Brass
 Seat: PCTFE, PTFE
 Diaphragm: 316L, Hastelloy
 Spring: 316L

Specifications

Single-Stage Diaphragm Construction
 Inlet and Outlet Port Size: 1/4"NPT(F)
 Safety Pressure: 1.5 times maximum inlet pressure
 Temperature Range: -40°F~165°F (-29°C~69°C)
 Leakage Rate: 2*10⁻⁸atm.cc/sec He
 Maximum CV: 0.08
 Weight: 0.9kg

Typical Applications

Gas Analysis
 Petrochemical Industry
 Laboratory Testing
 Flow Control



Product Parameters

Series	Body Port	Outlet Pressure	Inlet Connector	Outlet Connector	Options
GSGS-RE7	A	G	00	00	P
GSGS-RE7A (316L)	A	G: 0-250psi	00: 1/4"NPT(F)	00: 1/4"NPT(F)	P: Panel installation
	D	I: 0-100psi	01: 1/4"NPT(M)	01: 1/4"NPT(M)	
	G	K: 0-50psi L: 0-25psi	10: 1/8"LOK-fitting 11: 1/4"LOK-fitting 12: 3/8"LOK-fitting Other connectors are optional	10: 1/8"LOK-fitting 11: 1/4"LOK-fitting 12: 3/8"LOK-fitting Other connectors are optional	
GSGS-RE7B (Brass)					

GSGS-RE8 Series - Single Stage Diaphragm Regulator (General Purpose, Low Flow)

Product Material

Body: Brass
 Cover: Zinc Alloy, Chrome-Faced
 Diaphragm: Neoprene
 Filter: Bronze

Specifications

Single-Stage Diaphragm Construction
 Maximum Inlet Pressure: 15MPa
 Meet the UL Safety Standard
 Weight: 0.9kg

Typical Applications

Non-Corrosive Gases
 Purging System
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Max. Inlet Pressure (MPa)	Outlet Pressure (MPa)	Inlet Gauge (MPa)	Outlet Gauge (MPa)	Inlet Connection	Outlet Connection
GSGS-RE8A	Oxygen	15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE8B		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE8C		15	0.02-1.7	25	2.5	W21.8-14RH(F)	M16-1.5RH(M)
GSGS-RE8D	Acetylene	3	0.01-0.1	4	0.25	Cylinder Rack	M16-1.5LH(M)
GSGS-RE8E	Propane	3	0.02-0.56	4	1	M22-1.5LH(M)	M16-1.5LH(M)
	Natural Gas LPG						
GSGS-RE8F	Ar	15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE8G	He	15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE8H	N2	15	0.02-0.56	25	2.5	W21.8-14RH(F)	M16-1.5RH(M)
GSGS-RE8I	Hydrogen	15	0.02-0.56	25	1	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE8J		/	0.02-1.7	25	2.5	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE8K		15	0.02-0.56	25	1	W21.8-14LH(F)	M16-1.5LH(M)

GSGS-RE9 Series - Single Stage Diaphragm Regulator (General Purpose, Medium Flow)

Product Material

Body: Brass
 Cover: Brass
 Diaphragm: Neoprene
 Filter: Bronze

Specifications

Single-Stage Diaphragm Construction
 Maximum Inlet Pressure: 15MPa
 Meet the UL Safety Standard
 CE: EN334: 2005+A1:2009
 Weight: 1.25kg

Typical Applications

Non-Corrosive Gases
 Purging System
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Max. Inlet Pressure (MPa)	Outlet Pressure (MPa)	Inlet Gauge (MPa)	Outlet Gauge (MPa)	Inlet Connection	Outlet Connection
GSGS-RE9A	Oxygen	15	0.01-0.1	25	0.25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9B		15	0.01-0.28	25	0.4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9C		15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9D		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9E		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9F	Acetylene	3	0.01-0.1	4	0.25	Cylinder Rack	M16-1.5LH(M)
GSGS-RE9G	Propane Natural Gas LPG	3	0.01-0.28	4	0.4	M22-1.5LH(M)	M16-1.5LH(M)
		3	0.02-0.56	4	1	M22-1.5LH(M)	M16-1.5LH(M)
		3	0.03-0.85	4	1.6	M22-1.5LH(M)	M16-1.5LH(M)
GSGS-RE9H	Ar He N2	15	0.01-0.1	25	0.25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9I		15	0.01-0.28	25	0.4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9J		15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9K		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9L		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9M	Air	15	0.01-0.1	25	0.25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9N		15	0.01-0.28	25	0.4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9O		15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9P		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9Q		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9R	Hydrogen	15	0.01-0.28	25	0.4	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE9S		15	0.02-0.56	25	1	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE9T		15	0.02-0.56	25	1	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE9U		15	0.03-0.85	25	1.6	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE9V		15	0.02-1.7	25	2.5	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE9W	CO2	15	0.03-0.85	25	0.4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9X		15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9Y		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE9Z		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)

GSGS-RE10 Series - Single Stage Diaphragm Regulator (General Purpose, Medium Flow)

Product Material

Body: Brass
 Cover: Brass
 Diaphragm: Neoprene
 Filter: Bronze

Specifications

Single-Stage Diaphragm Construction
 Maximum Inlet Pressure: 2.5MPa
 Meet the UL Safety Standard
 Weight: 1kg

Typical Applications

Non-Corrosive Gases
 Purging System
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Max. Inlet Pressure (MPa)	Outlet Pressure (MPa)	Inlet Gauge (MPa)	Outlet Gauge (MPa)	Inlet Connection	Outlet Connection
GSGS-RE10A	Oxygen	2.5	0.03-0.85	N/A	1.6	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10B		2.5	0.03-0.85	N/A	1.6	M16-1.5RH(M)	M16-1.5RH(M)
GSGS-RE10C		2.5	0.03-1.7	N/A	2.5	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10D	Acetylene	2.5	0.01-0.1	N/A	0.25	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10E		2.5	0.01-0.1	N/A	0.25	M16-1.5RH(M)	M16-1.5RH(M)
GSGS-RE10F	Propane Natural Gas LPG	2.5	0.02-0.56	N/A	1	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10G		2.5	0.02-0.56	N/A	1	M16-1.5RH(M)	M16-1.5RH(M)
GSGS-RE10H	Ar He N2	2.5	0.03-0.85	N/A	1.6	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10I		2.5	0.03-1.7	N/A	2.5	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10J	Air	2.5	0.03-0.85	N/A	1.6	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10K		2.5	0.03-1.7	N/A	2.5	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10L	Hydrogen	2.5	0.02-0.85	N/A	1	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10M		2.5	0.03-0.85	N/A	1.6	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10N		2.5	0.03-1.7	N/A	2.5	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10O	CO2	2.5	0.03-0.85	N/A	1.6	1/4"NPT(F)	1/4"NPT(F)
GSGS-RE10P		2.5	0.03-1.7	N/A	2.5	1/4"NPT(F)	1/4"NPT(F)

GSGS-RE11 Series - Dual Stage Diaphragm Regulator (General Purpose, Medium Flow)

Product Material

Body: Brass
 Cover: Brass
 Diaphragm: Neoprene
 Filter: Bronze

Specifications

Dual-Stage Diaphragm Construction
 Meet the UL Safety Standard
 CE: EN334:2005+A1:2009
 Weight: 2kg

Typical Applications

Non-Corrosive Gases
 Purging System
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Max. Inlet Pressure (MPa)	Outlet Pressure (MPa)	Inlet Gauge (MPa)	Outlet Gauge (MPa)	Inlet Connection	Outlet Connection
GSGS-RE11A	Oxygen	15	0.01-0.1	25	0.25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11B		15	0.01-0.28	25	0.4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11C		15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11D		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11E		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11F	Acetylene	3	0.01-0.1	4	0.25	Cylinder Rack	M16-1.5LH(M)
GSGS-RE11G	Propane	3	0.01-0.28	4	0.4	M22-1.5LH(M)	M16-1.5LH(M)
GSGS-RE11H	Natural Gas	3	0.02-0.56	4	1	M22-1.5LH(M)	M16-1.5LH(M)
GSGS-RE11I	LPG	3	0.03-0.85	4	1.6	M22-1.5LH(M)	M16-1.5LH(M)
GSGS-RE11J	Ar	15	0.01-0.1	25	0.25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11K		15	0.01-0.28	25	0.4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11L		15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11M		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11N		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11O	Air	15	0.01-0.1	25	0.25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11P		15	0.01-0.28	25	0.4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11Q		15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11R		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11S		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11T	Hydrogen	15	0.01-0.28	25	0.4	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE11U		15	0.02-0.56	25	1	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE11V		15	0.02-0.56	25	1	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE11W		15	0.03-0.85	25	1.6	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE11X		15	0.02-1.7	25	2.5	W21.8-14LH(F)	M16-1.5LH(M)
GSGS-RE11Y	CO2	15	0.03-0.85	25	0.4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11Y1		15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11Z		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE11Z1		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)

GSGS-RE12 Series - Single Stage Diaphragm Regulator (General Purpose, Medium Flow)

Product Material

Body: Brass
 Cover: Brass
 Diaphragm: Neoprene
 Filter: Bronze

Specifications

Single-Stage Diaphragm Construction
 Meet the UL Safety Standard
 CE: EN334:2005+A1:2009
 Weight: 1.4kg

Typical Applications

Non-Corrosive Gases
 Purging System
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Max. Inlet Pressure (MPa)	Outlet Pressure (MPa)	Inlet Gauge (MPa)	Outlet Gauge (MPa)	Inlet Connection	Outlet Connection
GSGS-RE12A	Oxygen	15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE12B		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE12C		15	0.03-1.2	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE12D	Acetylene	3	0.01-0.1	4	0.25	Cylinder Rack	M16-1.5LH(M)
GSGS-RE12E	Propane	3	0.01-0.28	4	0.4	M22-1.5LH(M)	M16-1.5LH(M)
GSGS-RE12F	Natural Gas	3	0.02-0.56	4	1	M22-1.5LH(M)	M16-1.5LH(M)
GSGS-RE12G	LPG	3	0.03-0.85	4	1.6	M22-1.5LH(M)	M16-1.5LH(M)
GSGS-RE12H	Ar	15	0.02-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE12I		15	0.01-1.2	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE12J		15	0.01-2	25	4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE12K		15	0.01-3	25	4	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE12L	Air	15	0.01-0.56	25	1	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE12M		15	0.03-0.85	25	1.6	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE12N		15	0.02-1.7	25	2.5	G5/8"-RH(F)	M16-1.5RH(M)

GSGS-RE13 Series - Single Stage Diaphragm Regulator (General Purpose, High Flow)

Product Material

Body: Brass
 Cover: Brass
 Diaphragm: Neoprene
 Filter: Bronze

Specifications

Single-Stage Diaphragm Construction
 Meet the UL Safety Standard
 CE: EN334:2005+A1:2009
 Weight: 3kg

Typical Applications

Non-Corrosive Gases
 Purging System
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Max. Inlet Pressure (MPa)	Outlet Pressure (MPa)	Inlet Gauge (MPa)	Outlet Gauge (MPa)	Inlet Connection	Outlet Connection
GSGS-RE13A	Oxygen	15	0.03-0.85	25	1.6	G3/4"-RH(M)	G3/4"-RH(M)
GSGS-RE13B		15					
GSGS-RE13C		15	0.03-0.85	25	1.6	1"-11-1/2"NPS-RH(M)	1"-11-1/2"NPS-RH(M)
GSGS-RE13D		15	0.07-1.4	25	2.5	1"-11-1/2"NPS-RH(M)	1"-11-1/2"NPS-RH(M)
GSGS-RE13E	Acetylene	3	0.01-0.1	4	0.25	G3/4"-LH(M)	G3/4"-LH(M)
GSGS-RE13F		3	0.01-0.1	4	0.25	1"-11-1/2"NPS-LH(M)	1"-11-1/2"NPS-LH(M)
GSGS-RE13G	Propane Natural Gas LPG	15	0.03-0.85	25	1.6	G3/4"-RH(M)	G3/4"-RH(M)
GSGS-RE13H		15	0.07-1.4	25	2.5	G3/4"-RH(M)	G3/4"-RH(M)
GSGS-RE13I		15	0.03-0.85	25	1.6	1"-11-1/2"NPS-RH(M)	1"-11-1/2"NPS-RH(M)
GSGS-RE13J		15	0.07-1.4	25	2.5	1"-11-1/2"NPS-RH(M)	1"-11-1/2"NPS-RH(M)
GSGS-RE13K	Ar He N2	3	0.01-0.28	4	0.4	G3/4"-LH(M)	G3/4"-LH(M)
GSGS-RE13L		3	0.01-0.28	4	0.4	1"-11-1/2"NPS-LH(M)	1"-11-1/2"NPS-LH(M)
GSGS-RE13M	Air	15	0.03-0.85	25	1.6	G3/4"-RH(M)	G3/4"-RH(M)
GSGS-RE13N		15	0.07-1.4	25	2.5	G3/4"-RH(M)	G3/4"-RH(M)
GSGS-RE13O	Hydrogen	15	0.03-0.85	25	1.6	1"-11-1/2"NPS-RH(M)	1"-11-1/2"NPS-RH(M)
GSGS-RE13P		15	0.07-1.4	25	2.5	1"-11-1/2"NPS-RH(M)	1"-11-1/2"NPS-RH(M)
GSGS-RE13Q		15	0.07-1.4	25	2.5	G3/4"-LH(M)	G3/4"-LH(M)
GSGS-RE13R		15	0.07-1.4	25	2.5	1"-11-1/2"NPS-LH(M)	1"-11-1/2"NPS-LH(M)

GSGS-RE14 Series - Single Stage Piston Regulator (High Pressure)

Product Material

Body: Brass
 Cover: Brass
 Filter: Bronze

Specifications

Single-Stage Piston Construction
 Meet the UL Safety Standard
 CE: EN334:2005+A1:2009
 Weight: 2kg

Typical Applications

Non-Corrosive Gases
 Purging System
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Max. Inlet Pressure (MPa)	Outlet Pressure (MPa)	Inlet Gauge (MPa)	Outlet Gauge (MPa)	Inlet Connection	Outlet Connection
GSGS-RE14A	Oxygen	20	0.5-5	25	10	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE14B		20	0.7-10	25	16	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE14C		20	1.4-20	25	25	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE14D		25	1.4-20	40	40	CGA577	φ 6/LOK-fitting
GSGS-RE14E		35	1.4-20	40	40	CGA701	φ 6/LOK-fitting
GSGS-RE14F		Ar	20	0.07-10	25	16	G5/8"-RH(F)
GSGS-RE14G	He	20	1.4-20	25	25	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE14H	N2	35	1.4-20	40	40	CGA677	
GSGS-RE14I	Air	20	0.35-5	25	10	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE14J		20	0.7-10	25	16	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE14K		20	1.4-20	25	25	CGA680	φ 6/LOK-fitting
GSGS-RE14L	Hydrogen	20	0.35-5	25	10	W21.8-14LH	φ 6/LOK-fitting
GSGS-RE14M		20	0.7-10	25	16	W21.8-14LH	φ 6/LOK-fitting
GSGS-RE14N		20	1.4-20	25	25	W21.8-14LH	φ 6/LOK-fitting

GSGS-RE15 Series - Single Stage Piston Regulator (High Pressure, High Flow)**Product Material**

Body: Brass
Cover: Brass
Filter: Bronze

Specifications

Single-Stage Piston Construction
Meet the UL Safety Standard
CE: EN334:2005+A1:2009
Weight: 2.5kg

Typical Applications

Non-Corrosive Gases
Purging System
Laboratory Testing
Industrial Production

**Product Parameters**

Model No.	Gas	Max. Inlet Pressure (MPa)	Outlet Pressure (MPa)	Inlet Gauge (MPa)	Outlet Gauge (MPa)	Inlet Connection	Outlet Connection
GSGS-RE15A	Oxygen	20	0.35-5	25	10	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE15B		20	0.7-10	25	16	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE15C		20	1.4-20	25	25	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE15D		25	1.4-20	40	40	CGA577	φ 6/LOK-fitting
GSGS-RE15E		35	1.4-20	40	40	CGA701	φ 6/LOK-fitting
GSGS-RE15F	Ar	20	0.07-10	25	16	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE15G	He	20	1.4-20	25	25	G5/8"-RH(F)	
GSGS-RE15H	N2	35	1.4-20	40	40	CGA677	
GSGS-RE15I	Air	20	0.35-5	25	10	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE15J		20	0.7-10	25	16	G5/8"-RH(F)	φ 6/LOK-fitting
GSGS-RE15K		20	1.4-20	25	25	CGA680	φ 6/LOK-fitting
GSGS-RE15L	Hydrogen	20	0.35-5	25	10	W21.8-14LH	φ 6/LOK-fitting
GSGS-RE15M		20	0.7-10	25	16	W21.8-14LH	φ 6/LOK-fitting
GSGS-RE15N		20	1.4-20	25	25	W21.8-14LH	φ 6/LOK-fitting

GSGS-RE16 Series - Single Stage Flowmeter Regulator (General Purpose)**Product Material**

Body: Brass
Cover: High Strength Zinc Alloy, Chrome Faced
Flow Tube: Impact-resistance Composite
Protective Cover: Impact-resistance Composite

Specifications

Single-Stage Construction
Outlet Pressure: 0.35MPa
Meet the UL Safety Standard
Weight: 0.85kg

Typical Applications

MIG/TIG Gas
Laboratory Testing
Industrial Production

**Product Parameters**

Model No.	Gas	Outlet Flowmeter	Inlet Gauge(MPa)	Inlet Connection	Outlet Connection
GSGS-RE16A	CO2	0-25LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE16B	Ar	0-25LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE16C	He	0-80LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE16D	Ar	0-50LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE16E	He	0-160LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE16F	N2	0-30LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE16G	Air	0-30LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE16H	H2	0-100LPM	25	W21.8-14LH(M)	M16-1.5RH(M)

GSGS-RE17 Series - Dual Stage Flowmeter Regulator(General Purpose)

Product Material

Body: Brass
 Cover: High Strength Zinc Alloy, Chrome Faced
 Flow Tube: Impact-resistance Composite
 Protective Cover: Impact-resistance Composite

Specifications

Dual-Stage Construction
 Outlet Pressure: 0.35MPa
 Meet the UL Safety Standard
 Weight: 1.4kg

Typical Applications

MIG/TIG Gas
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Outlet Flowmeter	Inlet Gauge(MPa)	Inlet Connection	Outlet Connection
GSGS-RE17A	CO2	0-25LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE17B	Ar	0-25LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE17C	He	0-80LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE17D	Ar	0-50LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE17E	He	0-160LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE17F	N2	0-30LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE17G	Air	0-30LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE17H	H2	0-100LPM	25	W21.8-14LH(M)	M16-1.5RH(M)

GSGS-RE18 Series - Single Stage Flowmeter Regulator (General Purpose)

Product Material

Main Material: Brass
 Flow Tube: Impact-resistance Composite
 Protective Cover: Impact-resistance Composite

Specifications

Single-Stage Construction
 Outlet Pressure: 0.35MPa
 Meet the UL Safety Standard
 CE: EN334:2005+A1:2009
 Weight: 2.1kg

Typical Applications

MIG/TIG Gas
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Outlet Flowmeter	Inlet Gauge(MPa)	Inlet Connection	Outlet Connection
GSGS-RE18A	CO2	0-25LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE18B	Ar	0-25LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE18C	He	0-30LPM	25	G5/8"-RH(F)	M16-1.5RH(M)

GSGS-RE19 Series - Single Stage Flowmeter Regulator (General Purpose)

Product Material

Main Material: Brass
 Flow Tube: Impact-resistance Composite
 Protective Cover: Impact-resistance Composite

Specifications

Single-Stage Construction
 Outlet Pressure: 0.35MPa
 Meet the UL Safety Standard
 Weight: 2kg

Typical Applications

MIG/TIG Gas
 Laboratory Testing
 Industrial Production



Product Parameters

Model No.	Gas	Outlet Flowmeter	Inlet Gauge(MPa)	Inlet Connection	Outlet Connection
GSGS-RE19A	CO2	0-25LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE19B	Ar	0-25LPM	25	G5/8"-RH(F)	M16-1.5RH(M)
GSGS-RE19C	He	0-30LPM	25	G5/8"-RH(F)	M16-1.5RH(M)

TINPLATE CANISTERS

Empty Tinplate Canister

Global Special Gas Service Co., Ltd. offers empty tinplate canisters that are available in multiple sizes, from 75ml to 750ml. Normally, the outside diameter of canister is 45mm, 52mm, 57mm, 65mm, 70mm, 73mm, 84mm, etc. The material, tinplate, is famous for its features, like anti-corrosion, non-toxic, high strength and good ductility. That's why it can be a perfect packing material for ethylene, butane, refrigerant, paint, hair spray, insecticide, etc.



Specifications of Tinplate Canisters



Diameter: 65mm
Thickness: 0.28mm-0.36mm
Height: 18.5mm
Deformation Pressure: $\geq 1.4\text{MPa}$
Burst Pressure: $\geq 1.6\text{MPa}$
Plain or inner lacquer



Diameter: 65mm
Thickness: 0.28-0.4mm
Height: 13.5mm
Deformation Pressure: $\geq 1.3\text{MPa}$
Burst Pressure: $\geq 1.5\text{MPa}$
Plain or inner lacquer



Diameter: 45mm
Thickness: 0.25mm-0.36mm
Height: 5.5mm
Deformation Pressure: $\geq 1.4\text{MPa}$
Burst Pressure: $\geq 1.6\text{MPa}$
Plain or inner lacquer



Diameter: 52mm
Thickness: 0.25mm-0.36mm
Height: 8.8mm
Deformation Pressure: $\geq 1.3\text{MPa}$
Burst Pressure: $\geq 1.5\text{MPa}$
Plain or inner lacquer

Diameter(mm)	Type	Overall height(mm)
45mm	Necked-in	$\phi 45^*(80\sim 320)\text{mm}$
52mm	Necked-in	$\phi 52^*(80\sim 320)\text{mm}$
57mm	Necked-in	$\phi 57^*(80\sim 320)\text{mm}$
60mm	Necked-in	$\phi 60^*(80\sim 320)\text{mm}$
	Straight	$\phi 60^*(80\sim 320)\text{mm}$
65mm	Necked-in	$\phi 65^*(80\sim 320)\text{mm}$
	Straight	$\phi 65^*(80\sim 320)\text{mm}$
70mm	Necked-in	$\phi 70^*(80\sim 320)\text{mm}$



BUTANE/PROPANE GAS FILLED CANISTERS

Butane Lighter Gas

Global Special Gas Service Co., Ltd. offers universal butane fuel refill for lighters with nozzle adapter. It is recommended for all refillable butane lighters. 250ml and 300ml are our normal specifications. And for the brand on the canister, it can be customized.



Cassette Gas

Global Special Gas Service Co., Ltd. offers 220g to 250g LPG cassette gas, with 65mm diameter. It is recommended for all portable LPG stoves, widely used in grill, camping, cooking, etc. OEM is acceptable.



CASSETTE GAS STOVES



GSGS-600S

(At 20°C +/-5°C)
 Nominal Heat Input: 4.2kw
 Gas Consumption: 300g/h
 Weight: 2.1kg
 Size: 34*26.6*8.2cm
 Material: Aluminum Alloy
 Fuel: Butane Gas
 Ignition: Piezo-Electric
 Double Windproof Design



GSGS-106-C

(At 20°C +/-5°C)
 Nominal Heat Input: 1.9kw
 Gas Consumption: 110g/h
 Size: 25*20.5*10cm
 Weight: 0.97kg
 Fuel: Butane Gas
 Ignition: Piezo-Electric
 Approval: CE
 Double Sealed Valve
 Overpressure Protection



GSGS-300E

(At 20°C +/-5°C)
 Nominal Heat Input: 2.3kw
 Gas Consumption: 130g/h
 Size: 30*23*8.5cm
 Weight: 1.22kg
 Fuel: Butane Gas
 Ignition: Piezo-Electric
 Approval: CE
 Double Sealed Valve
 Overpressure Protection



GSGS-155-B

(At 20°C +/-5°C)
 Nominal Heat Input: 2.5kw
 Gas Consumption: 150g/h
 Size: 33.5*28.5*9.5cm
 Weight: 1.49kg
 Material: Stainless Steel
 Fuel: Butane Gas
 Ignition: Piezo-Electric
 Approval: CE
 Double Sealed Valve
 Overpressure Protection





GSGS-155-A

(At 20°C +/-5°C)
 Nominal Heat Input: 2.2kw
 Gas Consumption: 155g/h
 Size: 34*28*11.5cm
 Weight: 1.9kg
 Fuel: Butane Gas
 Ignition: Piezo-Electric
 Approval: CE&CSA



GSGS-160-A

(At 20°C +/-5°C)
 Nominal Heat Input: 2.9kw
 Gas Consumption: 160g/h
 Weight: 1.5kg
 Size: 34*28*11.5cm
 Fuel: Butane Gas
 Ignition: Piezo-Electric
 Approval: CE



GSGS-G200

(At 20°C +/-5°C)
 Nominal Heat Input: 1.9kw
 Gas Consumption: 110g/h
 Weight: 1kg
 Size: 24.8*17*9.8cm
 Material: Aluminum Alloy
 Fuel: Butane Gas
 Ignition: Piezo-Electric



FR COVERALLS

Global Special Gas Service Co., Ltd. offers flame retardant coverall for oil refinery. Based on your purpose and the function you need, the fabric and the trimmings are optional.

Function: Flame Retardant, Anti-Static, Waterproof, Oil Repellent

Fabric: 100% Cotton, 99% Cotton/1% Anti-Static, 80% Cotton/19% Polyester/1% Anti-Static

Zipper: FR Brass 2 Way, Nylon 2 way

Reflective Strip: Flame Retardant, Polyester/Cotton

Weight: 220gsm, 300gsm, 350gsm

Standard: EN ISO 11611, EN ISO 11612, EN 1149-5, EN 14116, EN IEC61482, UL, NFPA 2112, NFPA 70E, ASTM 1506

Size, color and label can be customized.

