

QL series Hydrogen Generators convert distilled deionized water into hydrogen gas through world's leading proton exchange membrane technology (PEM). The hydrogen generator generates pure hydrogen directly with electrolytic separation of pure water (deionized water) by a PEM cell. There is no need for an alkali solution to use.

QL Hydrogen Generators--Conventional Models



QL-150/300/500
(CE Certification)

Model	QL-150	QL-300	QL-500
H ₂ Outflow(ml/min)	0-150	0-310	0-510
H ₂ Pressure(MPa)	0.02-0.4 (under regular pressure)		
H ₂ Purity(%)	>99.999		
Power Consumption(W)	<90	<150	<200
Voltage(V)	AC 220 110 50-60Hz		
Dimension (L*W*H mm*mm*mm)	420*227*352		
Water Requirement	Pure water resistivity ≥ 1M Ω /cm		
Weight(KG)	<15		

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QL Hydrogen Generators--High Purity Models



QL-150A/300A/500A
(CE Certification)

Model	QL-150A	QL-300A	QL-500A
H ₂ Outflow(ml/min)	0-150	0-310	0-510
H ₂ Pressure(MPa)	0.02-0.4 (under regular pressure)		
H ₂ Purity(%)	>99.9999		
Power Consumption(W)	<90	<150	<200
Voltage(V)	AC 220 110 50-60Hz		
Dimension (L*W*H mm*mm*mm)	420*227*352		
Water Requirement	Pure water resistivity ≥ 1M Ω /cm		
Weight(KG)	<15		

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QL Hydrogen Generators--High Purity&High Pressure Models



QL-150B/300B/500B
(CE Certification)

Model	QL-150B	QL-300B	QL-500B
H ₂ Outflow(ml/min)	0-150	0-310	0-510
H ₂ Pressure(MPa)	0.02-0.6(under regular pressure)		
H ₂ Purity(%)	>99.9999		
Power Consumption(W)	<90	<150	<200
Voltage(V)	AC 220 110 50-60Hz		
Dimension (L*W*H mm*mm*mm)	420*227*352		
Water Requirement	Pure water resistivity ≥ 1M Ω /cm		
Weight(KG)	<15		

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QL Hydrogen Generators--Medium Models



QL-1000

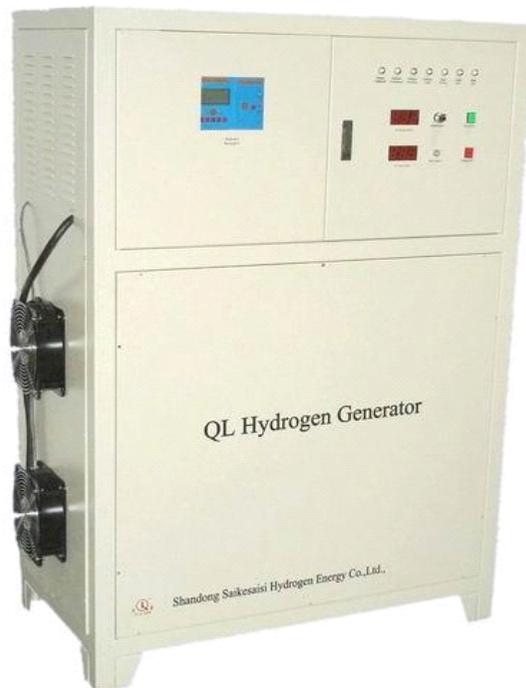


QL-2000/3000

Model	QL-1000	QL-2000	QL-3000
H ₂ Outflow(ml/min)	0-1020	0-2020	0-3050
H ₂ Pressure(MPa)	0.02-0.4 (under regular pressure)		
H ₂ Purity(%)	>99.999		
Power Consumption(KW)	<0.5	<1	<1.5
Voltage(V)	AC 220 110 50-60Hz		
Dimension (L*W*H mm*mm*mm)	458*230*380	500*450*800	
Water Requirement	Pure water resistivity ≥ 1M Ω /cm		
Weight(KG)	<20	<60	

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QL Hydrogen Generators--Large Models



QL-5000/10000



QL-17000/34000/17000HA/17000HB/
34000HA/34000HB

Gas Generators

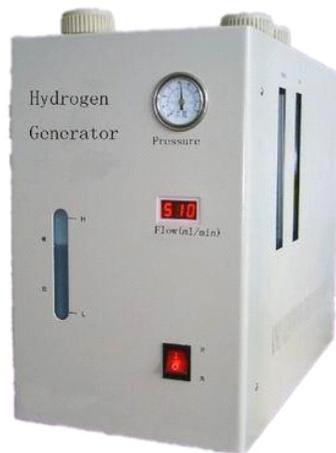
Nitrogen/Oxygen
combi N₂, H₂, Air

Hydrogen Nitrogen Pure Air

Model	QL-5000	QL-10000	QL-17000	QL-34000	QL-17000HA	QL-17000HB	QL-34000HA	QL-34000HB
H2 Outflow (L/min)	0-5	0-10	0-17	0-22	0-17	0-17	0-34	0-34
H2 Pressure (MPa)	0.02-0.4 (under regular pressure)				0.02-1	0.02-2	0.02-1	0.02-2
H2 Purity(%)	>99.999							
Power Consumption (KW)	<2	<4	<7.2	<14	<7.2		<14	
Voltage (V)	AC 220/380 50-60Hz				AC 380 50-60Hz			
Dimension (L*W*H mm*mm*m)	1035*550*1100	1035*550*1500	1650*650*1900					
Water Requirement	Pure water resistivity $\geq 1M \Omega /cm$							
Weight (KG)	<200	<450	<500	<650	<500		<650	

SHC series Hydrogen Generators convert distilled deionized water into hydrogen gas through traditional method--**adding electrolyte ALKALI**. This type of hydrogen generators is a ideal economi choice for customers.

QL Hydrogen Generators--Conventional Models



SHC-300/500

Model	SHC-300	SHC-500
H ₂ Outflow(ml/min)	0-300	0-500
H ₂ Pressure(MPa)	0--0.4	
H ₂ Purity(%)	>99.999	
Overpressure Protection(MPa)	0.45	
Voltage(V)	AC 220 110, 50-60Hz	
Power Consumption(W)	<150	<300
Dimension(mm)	420*227*350(L*W*H)	
Weight(KG)	<15	<17

QL series Oxy-hydrogen Generators convert distilled deionized water into oxygen and hydrogen gas through world's leading proton exchange membrane technology (PEM). The oxy-hydrogen generator generates pure oxygen and hydrogen directly with electrolytic separation of pure water (deionized water) by a PEM cell. There is no need for an alkali solution to use.

QL Hydrogen Oxygen Generators

Model	QL-150HO		QL-300HO		QL-500HO		QL-1000HO	
Outflow(ml/min)	H2: 0-150	O2: 0-75	H2: 0-300	O2: 0-150	H2: 0-510	O2: 0-255	H2: 0-1000	O2: 0-500
Output Pressure(MPa)	H2: 0.02--0.4				O2: 0--0.2			
Purity(%)	H2: >99.999%				O2: >99%			
Power Consumption (W)	<90		<150		<200		<500	
Voltage(V)	AC 220 110 50-60Hz							
Water Requirement	Pure water resistivity $\geq 1M \Omega /cm$							



QL-150HO/300HO
/500HO/1000HO

QL Pure Air Generators (Air Pumps) adopt completely enclosed free-oil compressor to purify natural air and remove moisture, oil and impurities. Pure air is output through device. Total hydrocarbon is less than 0.5ppm (methane).

QL Pure Air Generators (Air Pumps)



QL-3/5/10/20/40/50

Gas Generators

Nitrogen/Oxygen
combi N₂, H₂, Air

Hydrogen
Nitrogen
Pure Air

Model	QL-3	QL-5	QL-10	QL-20	QL-40	QL-50
Outflow(ml/min)	0-3	0-5	0-10	0-20	0-40	50-300
Output Pressure(MPa)	0-0.4					0.07
Power Consumption (W)	<160	<180	<200	<350	<380	<100
Voltage(V)	AC 220 50-60Hz					
Dimension (L*W*H, mm)	430*290*400		500*270*420	400*310*640		480*310*650
Weight (KG)	<26		<30	<34	<36	<50

QL Nitrogen Generators / QL Nitrogen&Air Generators generate pure nitrogen through PSA technology.

QL Nitrogen Generators / QL Nitrogen&Air Generators



QL-N300/N500/NA300

Gas Generators

Nitrogen/Oxygen
combi N2, H2, Air

Hydrogen
Nitrogen
Pure Air

Name	N2 Generator		N2&Air Generator	
Model	QL-N300	QL-N500	QL-NA300	
Outflow(ml/min)	0-300	0-500	N2: 0-300	Air: 0-1000
Output Pressure(MPa)	0-0.4			
Purity(%)	99.99		Three-grade purification Water content 0.0204ppm Co2 content 0.039% Oil content 0.54ppm	
Voltage(V)	AC 220 50-60Hz			
Environmental Requirement	Temperature 0--40°C without dust and corrosion gas			
Power Consumption(W`)	<180		<200	
Weight(KG)	<35		50	
Dimension(mm)	460*290*760(L*W*H)			

QL Nitrogen&Hydrogen&Air Generators generate pure nitrogen through PSA and SPE/PEM technolog.

QL Nitrogen&Hydrogen&Air Generators



QL-NHA300

Gas Generators

Nitrogen/Oxygen
combi N₂, H₂, Air

Hydrogen
Nitrogen
Pure Air

Model	QL-NHA300		
Name of Gas	N ₂	H ₂	Air
Outflow(ml/min)	0-300	0-300	0-1000
Output Pressure(MPa)	0-0.4		
Purity(%)	99.99	99.999	Three-grade purification Water content 0.0204ppm Co ₂ content 0.039% Oil content 0.54ppm
Power Consumption(W)	<350		
Voltage(V)	AC 220 50-60Hz		
Weight(KG)	55		
Dimension(mm)	460*440*460(L*W*H)		

QL Gas Purification is three-grade purification device. It can be used both in series and in parallel.



QL Gas Purification