

Hydrogen

• General grade

Range(cmol/mol)			Cylinder type	Blending tolerance(%)	Uncertainty (%)	Shelf life (months)	Pressure	
							psig	MPa
1	0.0001	0.0003	Al-B	15	5	6	1500	10
2	0.0003	0.0006	Al-B	15	3	12	1500	10
3	0.0006	0.0022	Steel-A	10	3	12	1500	10
			Steel-B	10	3	12	1500	10
			Al-A	10	3	12	1500	10
			Al-B	10	3	12	1500	10
4	0.0022	0.0055	Steel-A	10	2	12	1500	10
			Steel-B	10	2	12	1500	10
			Al-A	10	2	12	1500	10
			Al-B	10	2	12	1500	10
5	0.0055	0.011	Steel-A	5	2	12	1500	10
			Steel-B	5	2	12	1500	10
			Al-A	5	2	12	1500	10
			Al-B	5	2	12	1500	10
6	0.011	0.11	Steel-A	3	2	12	1500	10
			Steel-B	3	2	12	1500	10
			Al-A	3	2	12	1500	10
			Al-B	3	2	12	1500	10
7	0.11	100	Steel-A	2	2	12	1500	10
			Steel-B	2	2	12	1500	10
			Al-A	2	2	12	1500	10
			Al-B	2	2	12	1500	10

• Special grade

Range(cmol/mol)			Cylinder type	Blending tolerance(%)	Uncertainty (%)	Shelf life (months)	Pressure	
							psig	MPa

• Equipment recommendations

Regulator Model*		GB	GS	SB	SS
Concentration Range (cmol/mol)	~0.0005	△	O	O	O
	0.0005~0.5	O	O	O	O
	0.5~	O	O	O	O

O: Available, △: Available but not recommended, X: N/A(not available)

* GB : G-series Brass Regulator

GS : G-series SUS Regulator

SB : S-series Brass Regulator

SS : S-series SUS Regulator

RIGAS Co., Ltd manufactures various specifications of gas and liquid standard materials.

- Atmospheric environmental gas, Automobile exhaust gas, Petrochemical and Natural Gas

- Laser gas mixtures, Odor standards, Volatile organic compound standards (VOCs)