

## Carbon dioxide

### • General grade

Range(cmol/mol)			Cylinder type	Blending tolerance(%)	Uncertainty (%)	Shelf life (months)	Pressure	
							psig	MPa
1	0.0001	0.0003	Al-B	10	5	6	1500	10
2	0.0003	0.0006	Al-B	10	3	12	1500	10
3	0.0006	0.0022	Al-A	5	3	12	1500	10
			Al-B	5	3	12	1500	10
4	0.0022	0.0055	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
5	0.0055	0.011	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
6	0.011	100	Steel-A	2	2	12	650~1500	4.5~10
			Steel-B	2	2	12	650~1500	4.5~10
			Al-A	2	2	12	650~1500	4.5~10
			Al-B	2	2	12	650~1500	4.5~10

### • Special grade

Range(cmol/mol)			Cylinder type	Blending tolerance(%)	Uncertainty (%)	Shelf life (months)	Pressure	
							psig	MPa
	0.011	0.11	Al-B	2	0.7	36	650~1500	4.5~10
	0.11	0.9	Al-B	2	0.6	36	650~1500	4.5~10
	0.9	4.5	Al-B	1	0.6	36	650~1500	4.5~10
	4.5	100	Al-B	1	0.6	36	650~1500	4.5~10

### • Equipment recommendations

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

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.

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