

## Equipment for Manufacturing Carbonated Drinks for Tests and Research

- CARBONATER, Standard Automatic Filling Type (10RA)
- CARBONATER, Two-Tank Automatic Filling Type (20-20RA)

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### Outline of CARBONATER

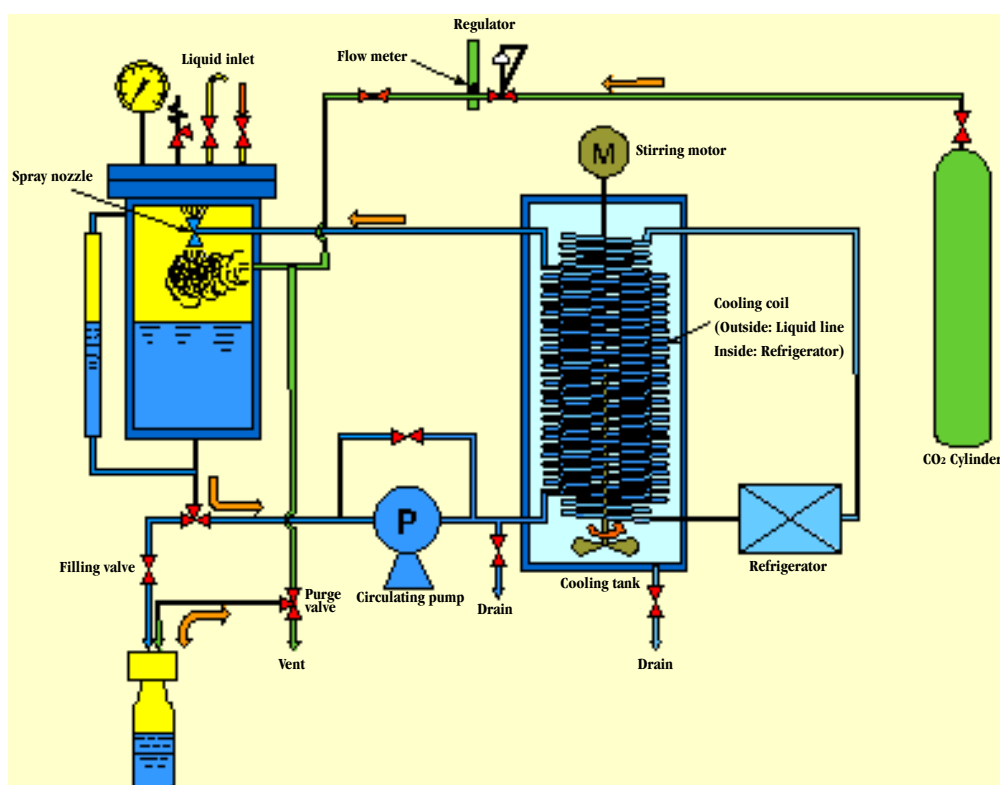
The CARBONATER controls automatically the temperature of water or syrup mixture at a desirous value, dissolves carbon dioxide at an optimum conditions, and can fill PET or glass bottles, steel or aluminum cans, or all other vessels with very little foaming. It displays its great power for the development or inspections and the like of carbonated drinks, perfumes, and vessels.

### Characteristics of CARBONATER

- Unlike conventional large-sized carbonaters, this CARBONATER of a small capacity can produce experimentally carbonated drinks easily at a little cost.
- Both postmix and premix filling are available.
- What must be done for carbonation is only to input a desired gas volume. Temperature and the like are controlled automatically.
- Liquid is cooled indirectly, and the equipment can be cleaned easily by the sanitary piping.
- The equipment of a compact design does not require much space for installation.
- Since the equipment is provided with casters, it can be moved easily.

### Matters that Require Attention About the Use of the CARBONATER

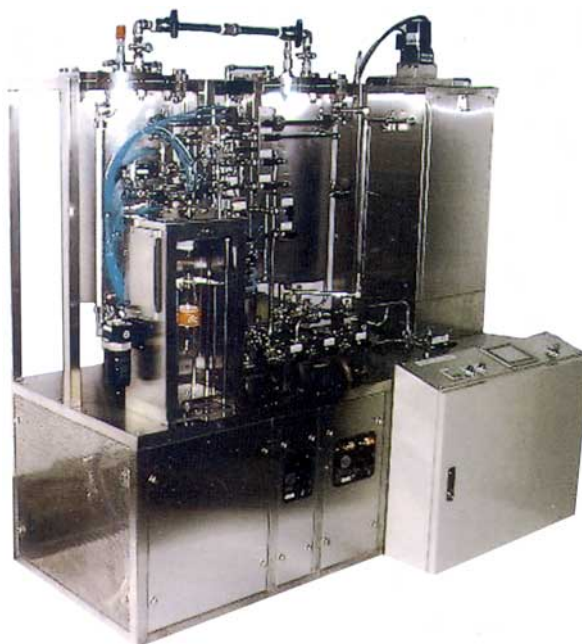
When pressure of soda water in a vessel, such as a bottle, can, PET bottle, or the carbonation tank in this equipment exceeds 0.6 MPa at a temperature of 35°C, the High-Pressure Gas Control Regulations is applied to the matter, which must be paid much attention. Use this equipment safely according to the matters that require attention mentioned in the operation manual and the like.



# CARBONATER



Standard automatic filling type (10RA)



Two-tank automatic filling type (20-20RA)

## Strong Points of Standard Automatic Filling Type CARBONATER (10RA)

- This is the most appropriate for trial manufacture of carbonated drinks and the like because of its small-capacity.
- This compact equipment does not require unecological large space for installation.
- This pump-filled equipment can treat even foamy syrup by adjusting speed.
- A refrigerator is used for cooling liquid.

## Strong Points of Two-Tank Automatic Filling Type (20-20RA)

- The two-tank system is very efficient because filling and carbonation can be made at a time.
- This pump-filled equipment can treat even foamy syrup by adjusting speed.
- A refrigerator is used for cooling liquid.

## Specification of CARBONATER

Type	10RA	20-20RA
Tank capacity	10 l	20 l x 2 tanks
Cooling tank	55 l	90 l
Designed pressure	0.5 MPa	0.5 MPa
Filling method	Automatic filling by pump	Automatic filling by pump
Adjusting method of filling	Automatic adjustment by image sensor	Automatic adjustment by image sensor
Objective vessel	PET bottle, bottle, and can	PET bottle, bottle, and can
Refrigerator	0.6 kW	1.1 kW
Stirring motor	40 W	40 W
Cooling tank heater	1.0 kW	1.0 kW
Power supply	200 VAC	200 VAC
Power consumption	2.0 kW	2.5 kW
Material	SUS 304 and 316	SUS 304 and 316
Outward dimensions	950 (W) x 650 (L) x 1,950 (H)	1,170 (W) x 800 (L) x 2,050 (H)
Weight when empty	About 350 kg	About 420 kg

\* A carbonater of the type that meets your requirements can be manufactured. Please feel free to contact us.