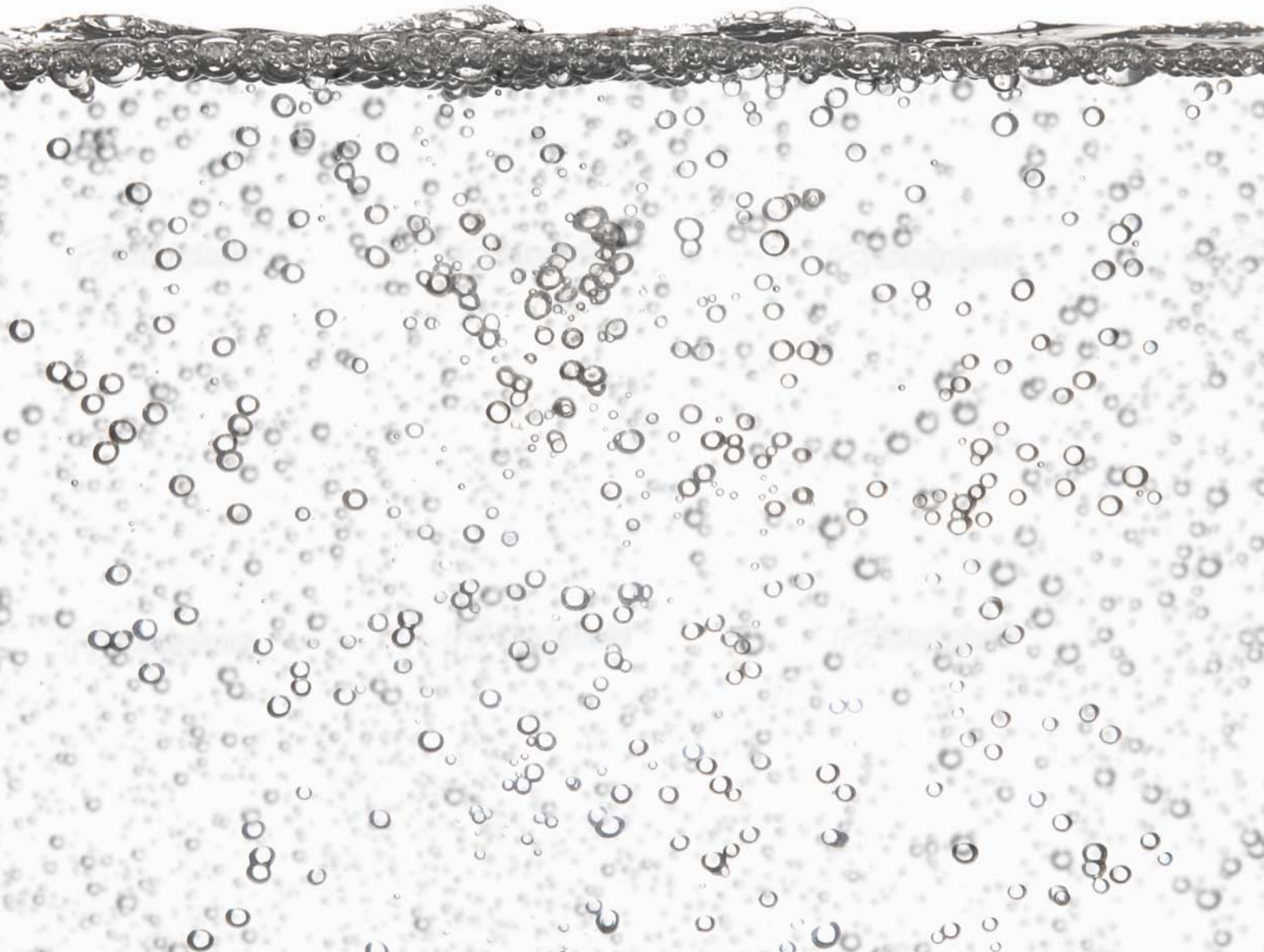


# Putting the bubbles in your beverage.

Quality beverage dispensing solutions from BOC.



# We serve quality solutions to the hospitality industry encompassing our gases, services and equipment.



Our gases are typically used in beverage dispensing for:

- CARBONATION of beer, soft drinks and cider
- PRESSURISATION in order to push liquid from storage source to point of dispense
- HEAD RETENTION of beer after it is poured
- PRESERVATION extending product shelf life.

Beverage gases have many applications which is why BOC invests so heavily in the supply chain. We are committed to the excellence of our products and services and aim to ensure our products meet the quality specification every time. It is important to us that your customers keep coming back.

Our focus on high quality includes:

- HACCP and ISBT accreditation for our Food Grade Carbon Dioxide
- Safety Data Sheets available anytime at [www.boc.co.nz](http://www.boc.co.nz)
- The ability to provide quality batch test results or certificates for our products as part of a solution.

As a valued BOC customer, you will have access to the following:

- Our team of Hospitality Specialists together with Customer Engineering Services (CES) can work with you to design, install and maintain a gas system.
- Our Customer Service Centre is available to take your order, enquiry or provide technical support Monday–Friday between 7.30 am–5 pm.
- An extensive gas distribution network delivering to metropolitan areas the next business day. Same day or emergency deliveries are available subject to additional fees.
- Customer Engineering Services (CES) provide a maintenance and service offer to ensure you can continue focussing on your customers.
- A large network of Gas & Gear® retail outlets to provide you with product and equipment advice, support or your choice of picking up cylinders.
- BOC website with online ordering, product, equipment, industry, safety and quality information at [www.boc.co.nz](http://www.boc.co.nz)

# Gases.

## Product information table.

Description	Gas Composition	Cylinder Size*	Cylinder Content	Cylinder Diameter**	Cylinder Height**	Gauge Pressure	Outlet Connection
 <b>Carbon Dioxide Food Grade Gas</b> Code: 214 Food grade quality gas used in pressure beverage dispensing for bulk beer, cider and post mix systems.	Carbon Dioxide 99.9%	D	6.8 kg	178 mm	605 mm	5,723 kPa	AS 2473 Type 30
		F	17.0 kg	215 mm	955 mm		
		G	33.0 kg	232 mm	1400 mm		
 <b>Nitrogen Food Fresh</b> Gas Code: 157 Beverage gas used to mix with Carbon Dioxide for beer dispensing.	Nitrogen 99.99%	D	1.8 sm <sup>3</sup>	178 mm	605 mm	20,000 kPa	AS 2473 Type 50
		G	8.7 sm <sup>3</sup>	232 mm	1400 mm		
 <b>CELLAMIX® 20</b> Gas Code: 320 Beverage gas typically used for dispensing Guinness Stout or Kilkenny Ale when kegs are kept cold.	Carbon Dioxide 20%, Nitrogen 80%	E	2.43 sm <sup>3</sup>	216 mm	630 mm	15,200 kPa	AS 2473 Type 50
		G	7.3 sm <sup>3</sup>	232 mm	1400 mm		
 <b>CELLAMIX® 30</b> Gas Code: 093 Beverage gas typically used for dispensing Guinness Stout or Kilkenny Ale when kegs are kept at ambient temperature.	Carbon Dioxide 30%, Nitrogen 70%	E	2.5 sm <sup>3</sup>	216 mm	630 mm	14,600 kPa	AS 2473 Type 50
		G	7.5 sm <sup>3</sup>	232 mm	1400 mm		
 <b>CELLAMIX® 60</b> Gas Code: 096 Beverage gas typically used for dispensing Murphy's Stout when kept at ambient temperature.	Carbon Dioxide 60%, Nitrogen 40%	E	3.09 sm <sup>3</sup>	216 mm	630 mm	13,000 kPa	AS 2473 Type 10
		G	9.1 sm <sup>3</sup>	232 mm	1400 mm		
 <b>CELLAMIX® 80</b> Gas Code: 138 Beverage gas typically used for dispensing draught beer.	Carbon Dioxide 80%, Nitrogen 20%	E	3.8 sm <sup>3</sup>	216 mm	630 mm	10,000 kPa	AS 2473 Type 10
		G	10.8 sm <sup>3</sup>	232 mm	1400 mm		
 <b>Argon Food Fresh</b> Gas Code: 274 Beverage gas typically used to preserve and dispense wine.	Argon 99.99%	G	9.73 sm <sup>3</sup>	232 mm	1400 mm	20,000 kPa	AS 2473 Type 10
 <b>Food Fresh 30</b> Gas Code: 270 Beverage gas typically used for dispensing beer.	Carbon Dioxide 30%, Nitrogen 70%	G	10.0 sm <sup>3</sup>	232 mm	1400 mm	18,800 kPa	AS 2473 Type 50
 <b>Food Fresh 50</b> Gas Code: 271 Beverage gas typically used for dispensing beer.	Carbon Dioxide 50%, Nitrogen 50%	G	6.56 sm <sup>3</sup>	232 mm	1400 mm	10,800 kPa	AS 2473 Type 10
 <b>Food Fresh 70</b> Gas Code: 273 Beverage gas typically used for dispensing beer.	Carbon Dioxide 70%, Nitrogen 30%	G	4.75 sm <sup>3</sup>	232 mm	1400 mm	7,300 kPa	AS 2473 Type 10

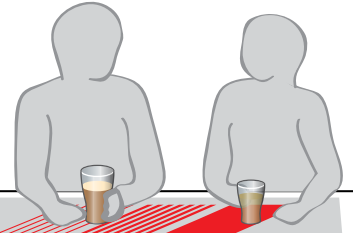
\*Availability of cylinder sizes will vary across the states.

\*\*Based on aluminium cylinders without a valve.

### Gas Cylinder Safety

For anyone using compressed gas cylinders, knowledge and understanding of the Do's and Don'ts is essential. Please refer to the Guidelines for Gas Cylinder Safety available at [www.boc.co.nz](http://www.boc.co.nz) for detailed information relating to safe handling of gas cylinders.

# Bar

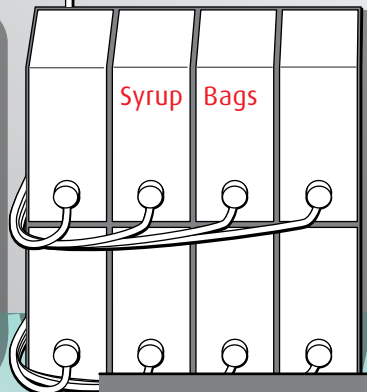
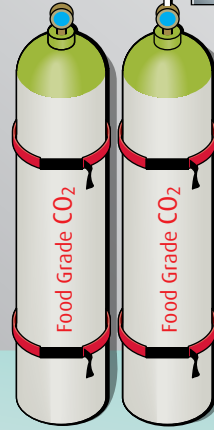


Post Mix System Gun

Argon Cylinder

Gas Lines

Regulator Board



CELLAGUARD®  
CO<sub>2</sub> and O<sub>2</sub> Monitor

Cylinders

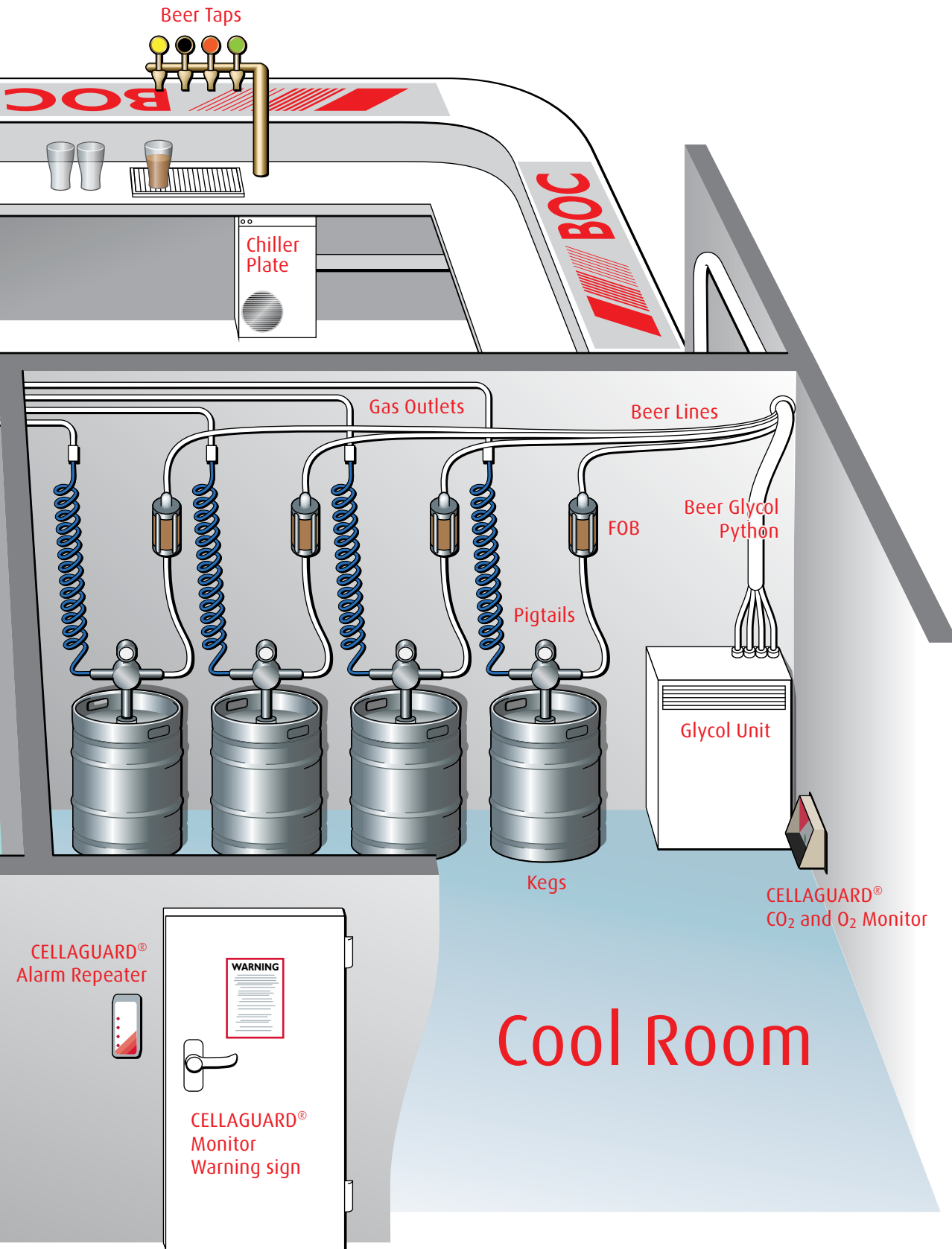
CELLAGUARD®  
Alarm Repeater



CELLAGUARD®  
Monitor  
Warning sign

# Cellar/Storage





# Equipment

## CELLAGUARD<sup>®</sup> monitor range.



CELLAGUARD<sup>®</sup> Carbon Dioxide (CO<sub>2</sub>) monitor and repeater.



CELLAGUARD<sup>®</sup> Carbon Dioxide (CO<sub>2</sub>) and Oxygen (O<sub>2</sub>) monitor and repeater.

BOC CELLAGUARD<sup>®</sup> monitors are available in Carbon Dioxide (CO<sub>2</sub>) or both Carbon Dioxide and Oxygen (O<sub>2</sub>) models. There are two key components, the monitor and the repeater.

- The monitor is installed inside the cellar or cool room (close to the point of gas supply and/or gas use) and monitors the quality of the air in the environment.
- The repeater is installed near the entrance to the cellar and 'repeats' or mimics the conditions of the monitor. Where there is more than one entrance to the area, extra repeaters can be installed.

### CELLAGUARD<sup>®</sup> CO<sub>2</sub> monitor

The CELLAGUARD<sup>®</sup> CO<sub>2</sub> monitor is designed to detect increased levels of CO<sub>2</sub> in an enclosed area like a store room, cellar or cool room (ambient air). The monitor has two preset CO<sub>2</sub> alarm levels of 1.5% and 3% that provide an audible and visual indication of potentially dangerous levels of CO<sub>2</sub> in the air surrounding the monitor. The CELLAGUARD<sup>®</sup> CO<sub>2</sub> monitor is suitable for areas where Carbon Dioxide is used exclusively.

### CELLAGUARD<sup>®</sup> CO<sub>2</sub> and O<sub>2</sub> monitor

The CELLAGUARD<sup>®</sup> CO<sub>2</sub> and O<sub>2</sub> monitor is designed to detect the presence of CO<sub>2</sub> or a reduction in O<sub>2</sub> levels in an enclosed area like a store room, cellar or cool room (ambient air). The monitor has two preset CO<sub>2</sub> alarm levels of 1.5% and 3%, and a preset O<sub>2</sub> alarm level of 19% that provide an audible and visual indication of potentially dangerous levels of CO<sub>2</sub> or O<sub>2</sub> in the air surrounding the monitor. The CELLAGUARD<sup>®</sup> CO<sub>2</sub> and O<sub>2</sub> monitor is suitable for areas where Nitrogen and Carbon Dioxide are used.

The BOC CELLAGUARD<sup>®</sup> monitor package includes:

- CELLAGUARD<sup>®</sup> CO<sub>2</sub> monitor or CELLAGUARD<sup>®</sup> CO<sub>2</sub> and O<sub>2</sub> monitor
- CELLAGUARD<sup>®</sup> alarm repeater
- Splashguard
- Signage
- Warranty






This package is designed to ensure you know the CO<sub>2</sub> and O<sub>2</sub> levels inside the room are at a safe level for you to enter, reducing the risk of exposure.



CELLAGUARD<sup>®</sup> CO<sub>2</sub> and O<sub>2</sub> monitor with splashguard.

# Equipment

## Hospitality regulator range.

	Part No.	Description	Inlet Pressure	Inlet Connection	Outlet Pressure	Outlet Connection	Pressure Gauges	Relief Valve	Non-return Valve
	801325	Primary CO <sub>2</sub> reg	21,000 kPa	Rear, Type 30	400 kPa max	Side 5/8" UNF RH nut and nipple	Contents and delivery	Yes	Yes
	801327	Primary CO <sub>2</sub> reg – single gauge	21,000 kPa	Rear, Type 30	400 kPa max	Bottom 5/8" UNF nut and nipple	Delivery only	Yes	Yes
	801326	Secondary CO <sub>2</sub> reg	21,000 kPa	Rear, Type 30	400 kPa max	Bottom 5/16" quick connect tube lock	Delivery only	Yes	No
	801330	Postmix reg	21,000 kPa	Side 1/2" 20 UNF	Preset 800 kPa max – key adjustment	Bottom 1/4" O.D. tube	Contents and 2 deliveries	Yes	Yes
	801331	Primary N <sub>2</sub> reg	21,000 kPa	Rear, Type 50	400 kPa max	Side 5/8" UNF nut and nipple	Contents and delivery	Yes	Yes

### Features

Designed for the Hospitality Industry with non-perforated Teflon and Nitrile rubber diaphragm.

Complies with Australian Standard AS 4267 and AS 2473.

Fully encapsulated regulator valve.

High quality machined brass body rated to 30,000kPa inlet pressure with large 3.2 mm orifice and 0–400 kPa outlet pressure.\*

Failsafe components including diaphragm bursting disc.

Non-return valve<sup>†</sup> to stop back-flow of liquid into gas supply.

### Benefits

Quality components selected for use with beverage gases extending regulator life. Includes 5 year conditional warranty on body.

Suitable for use in Australia and New Zealand.

Maintains and safely controls the outlet pressure.

Delivery of gas at constant flow and pressure which ensures consistent dispense of beverages.

Risk of dangerous pressure build-up is reduced.

Stops contamination.

\*0–1–1000kPa applies to Part No. 801330.

<sup>†</sup>Does not apply to Part No. 801326.

For more information contact the BOC Customer Service Centre on:

New Zealand

0800 111 333

[customer-serviceNZ@boc.com](mailto:customer-serviceNZ@boc.com)

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