



VINIQUIP



DALUM

Beverage Equipment

Call for your obligation free quotation:

AU: 1800 209370 NZ: 0800 284647 info@viniquip.co.nz www.viniquip.com

DALUM
Beverage Equipment

Secure Own Food Grade CO₂ Supply

High quality CO₂ from your
own controlled source

Stainless Steel and Oil Free
Compressor Technology

No Refrigerants in Unit

Food Contact Materials Used

Easy to use and maintain
From 1.000 barrels/Y

DALUM
Beverage Equipment

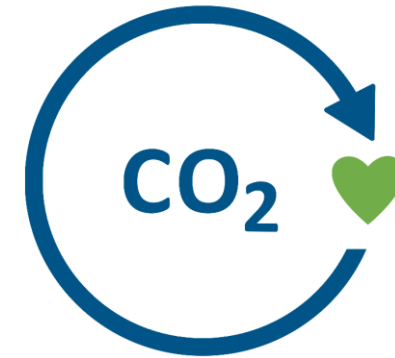


DALUM CO₂ UNIT

DALUM
Beverage Equipment

Craft Scale CO₂ Recovery

Sustainable and natural
CO₂ for your beer



Environmentally Friendly
Financially Feasible

DALUM CO2 recovery plant

Top Quality CO2 and Delivery Safety

- No Oil, Chemicals filters or refrigerants in CO2 Unit
- Stainless Steel and Oli Free DALUM Compressor
- Only Food Contact Materials in contact with CO2
- 99,98% purity and no detectable odor in product
- Oxygen traces in ppb
- Own control of CO2 source and security of supply

Plug and Play unit ready to go

- Fully assembled and tested unit ready to plug inn.
- Water, electricity, coolant and drain to be connected.
- No vendor installation and commissioning hours needed.
- No PED or ASME needed for plant
- ** Storage tanks for liquid CO2 needs approvals and inspections.



**DALUM CO2
RECOVERY
PLANT**

Easy to fit in

- Very small footprint of plant(1m²)
- Low noise level (65 dB) and can be placed anywhere in the brewery
- No balloon due to DALUM Compressor with 100% variable speed
- No hazardous ammonia or CFC refrigerants as external cooling source is used

Environmentally friendly

- Low consumption of power and water
- Improving working environment in brewery
- Eliminates breweries possible largest CO2 emission source, 2 tons less emission per tons recovered
- Eliminates breweries purchase and transport of CO2



**DALUM CO2
RECOVERY
PLANT**

Easy to use and maintain

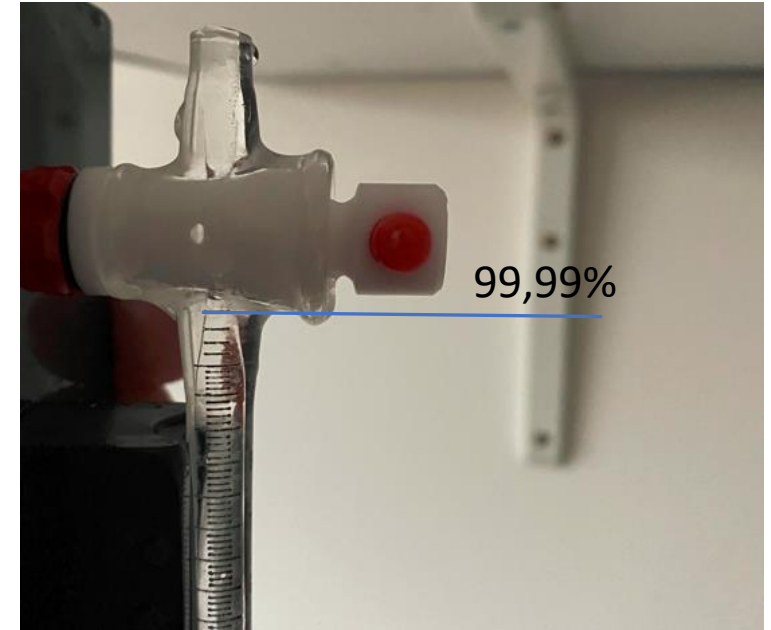
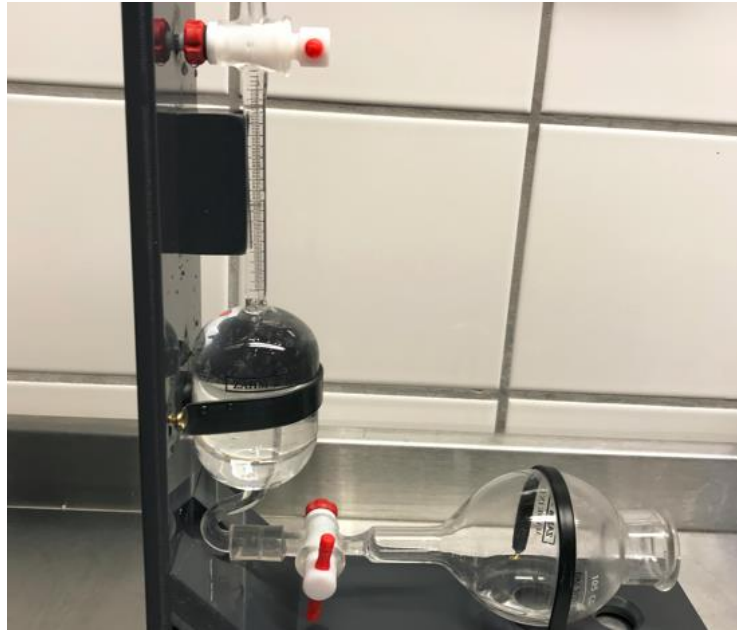
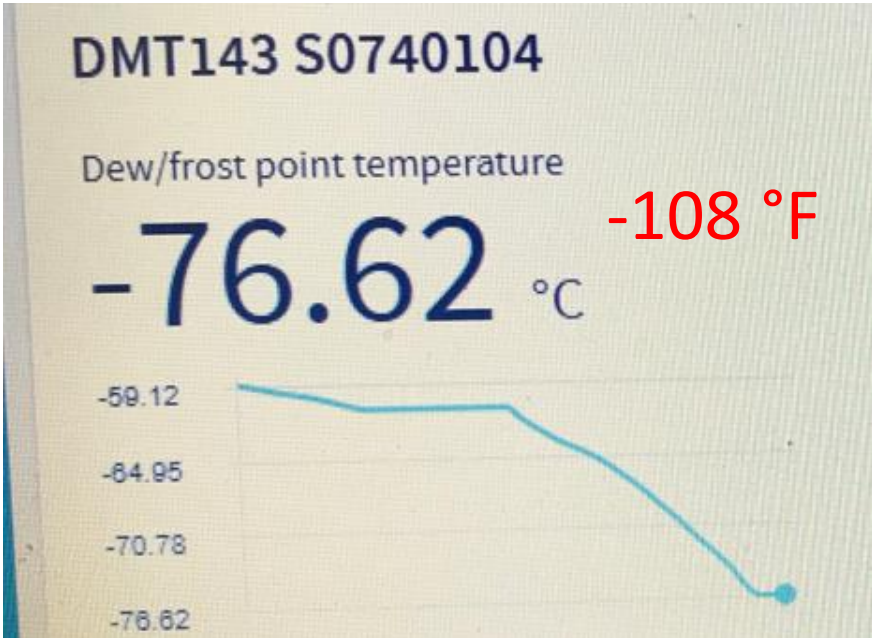
- Simple and fully automatic operation with self diagnosing software
- Adapts automatically capacity to fermentation cycles
- No consumables to be replaced regularly
- Dashboard on Smartphone and remote access

Financially Feasible

- Low capex and short return on investment for 2.000 - 40.000 hl breweries
- Reduces cost of CO2 considerable and secures supply
- Increase surplus CO2 value by cylinder filling for beer dispensers for draft beer.



DALUM CO2 Unit Overview



Eddie Gadd, Ramsgate Brewery:

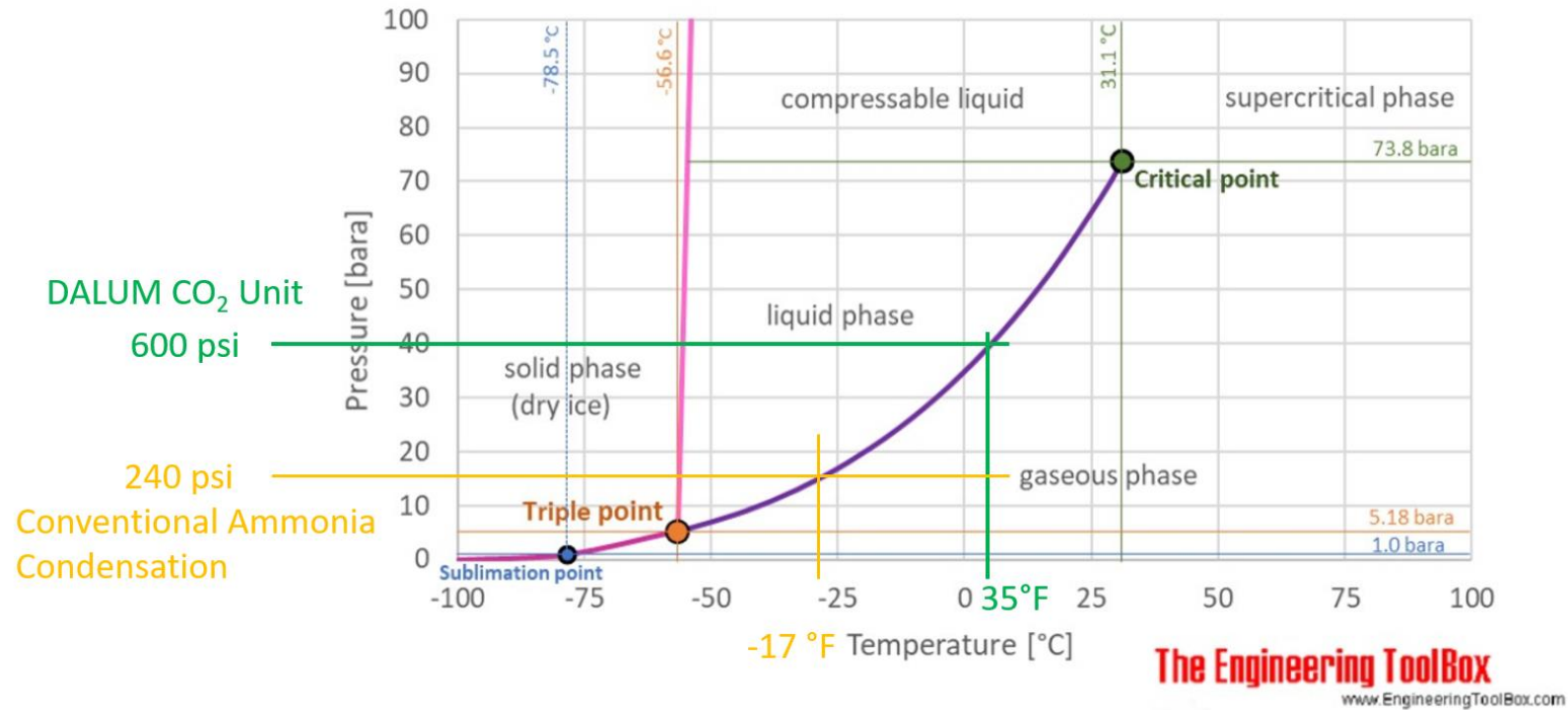
collection system (generally 16 hours from yeast pitching). Some CO₂ is lost through the initial stage of fermentation, due to high O₂ content, and some remains in the beer at the end. With good management, 75% yields have been achieved, with an oxygen content of <6 ppb, measured with an Orbisphere (wholesale liquid CO₂ at the bottling site measures 16 ppb O₂). A burette is used to demonstrate purity >99.99%.

High purity and very low
Oxygen content



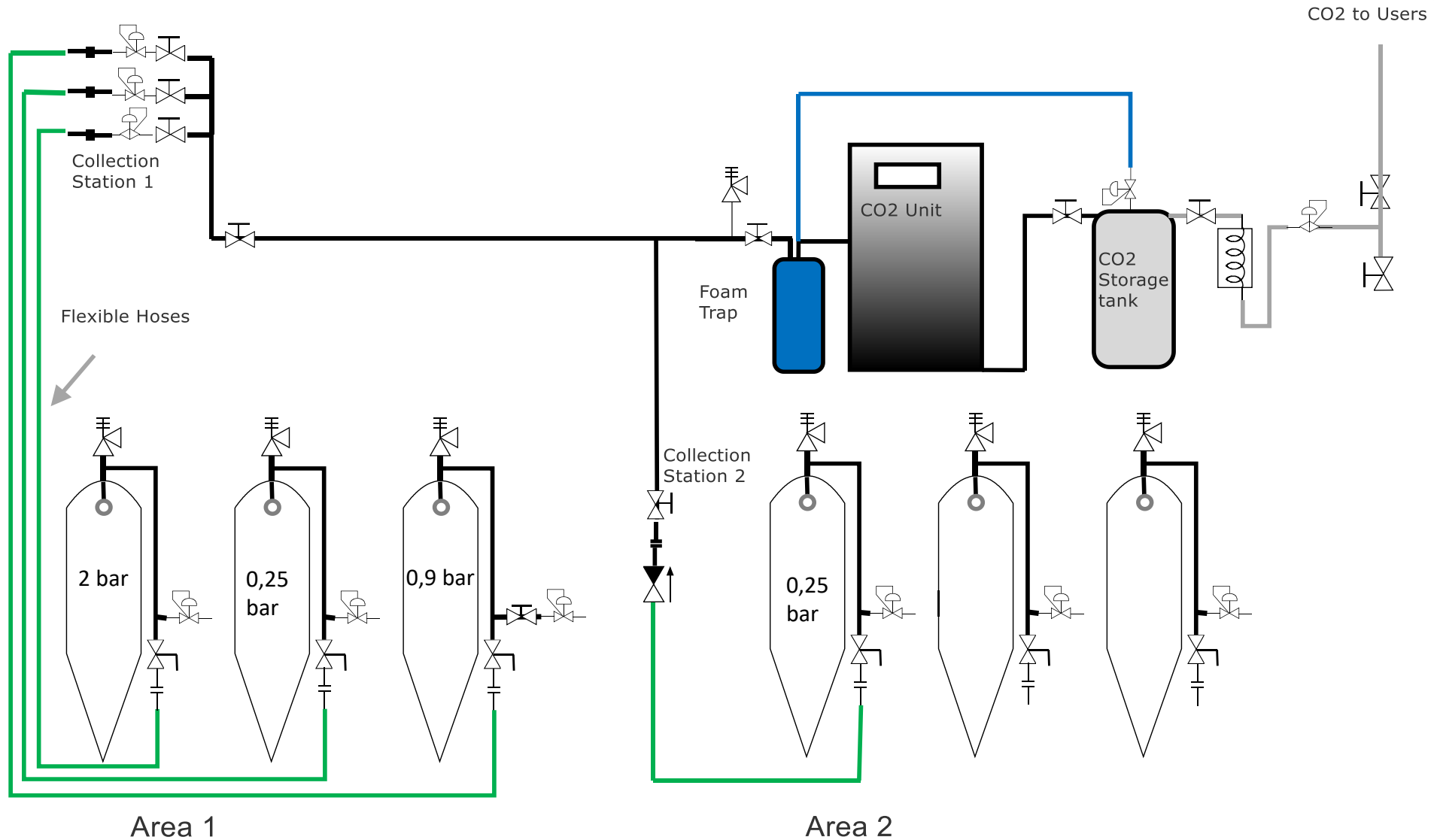
Oil Free, sanitary, variable speed, low noise

Carbon dioxide phase diagram



No Refrigerants in CO₂ Unit
Three stage compressor produces 690 psi condensation pressure

System overview

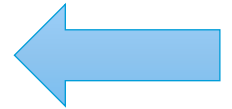




DALUM 10 kg/h CO₂-Unit



1 m²

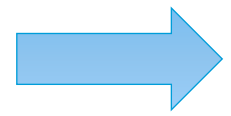


CO₂ gas
max 1% O₂ / 96% CO₂

3x 400 V, 50 Hz, 3 kW installed

Water ca. ¼ – 14 gallon/h 40 - 55 °C

Cooling -4 to 2 °C, 12 l/min,
2 kW cooling energy (0,5 kW)



99,98% liquid CO₂,
1 – 10 kg/h, 0-30 °C

Cooling return

Drain Water 20 °C

Incondensable gasser

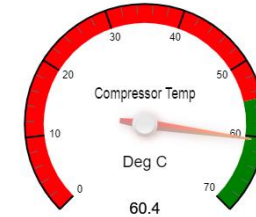
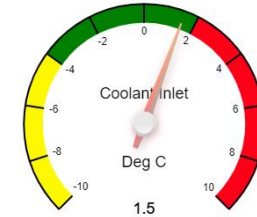
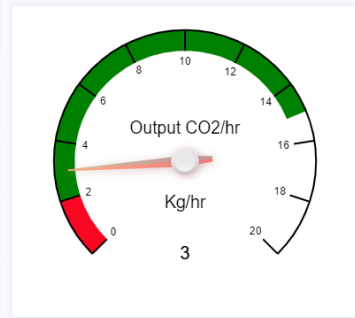


Control System with Unitronics Vision Combi PLC

Dalum Beverage Equipment

1,738
Production Counter

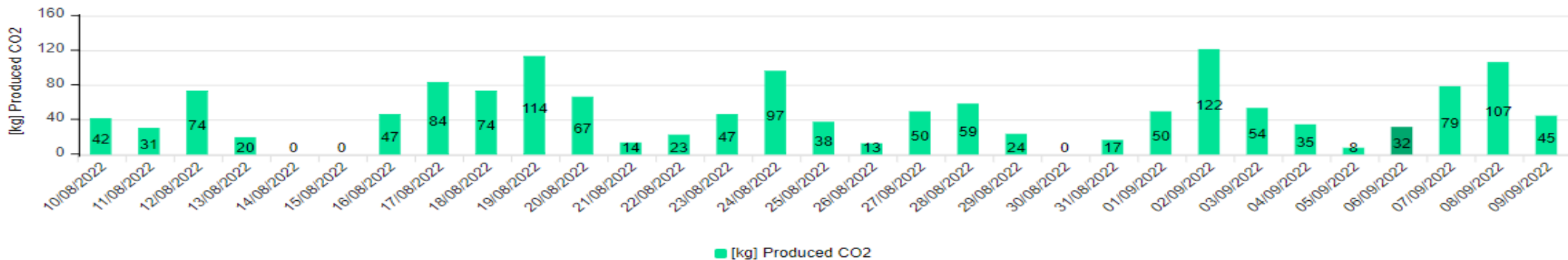
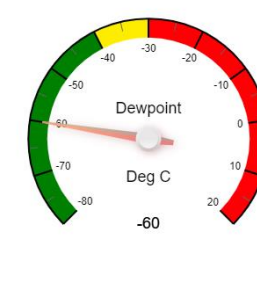
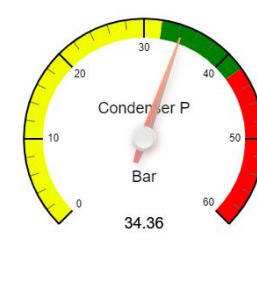
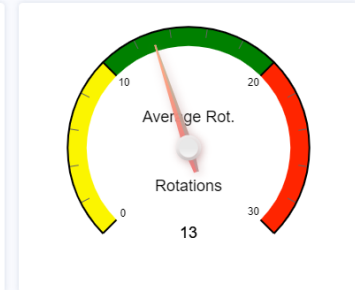
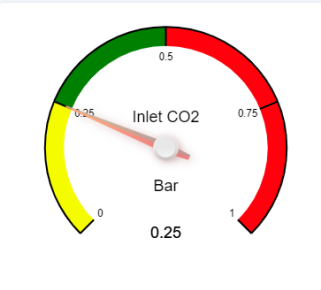
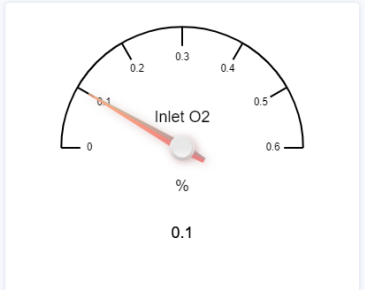
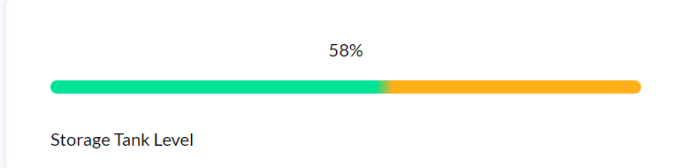
- Running
- No Alarm
- No Alarm
- No Alarm
- No Alarm



ON

At present there is no Asset selected.

OFF





Tank solutions for all needs



Collection Stations



Pressure relief valve

Sold, serviced and supported in Australia and New Zealand by:

- Excess CO2 vent
- Tank Flash gas return



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