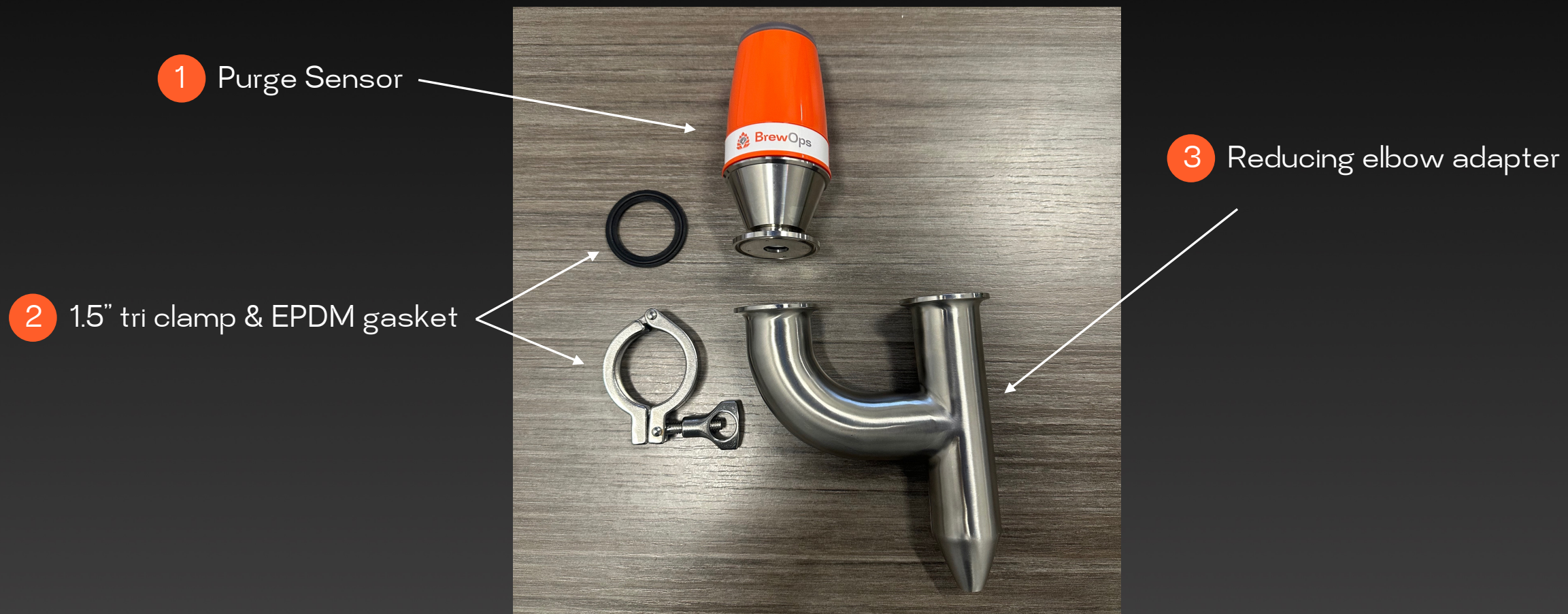




BrewOps

Purge installation guide v1.1

What's included with your BrewOps Purge



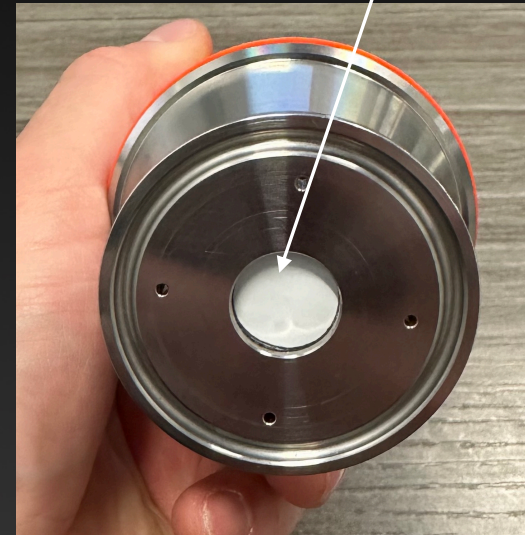
Purge sensor overview

1 UV rated polycarbonate top cover with clear RGB LED lens

2 316 stainless steel base



3 Oxygen sensor membrane*



***DO NOT CLEAN USING ALCOHOL BASED SANITIZERS, PERMANENT DAMAGE WILL OCCUR. WIPE CLEAN USING 3% H₂O₂ ONLY!**

Fully assembled Purge kit



1 1.5" tri clamp connection to brite tank CIP arm

2 Reducing flange ensure positive pressure against the Purge sensor membrane without over pressurizing tank. Also acts to reduce gas turbulence for a more efficient CO₂ purge.

Purge sensor battery replacement process



1 Remove top cover



2 Remove retaining clip

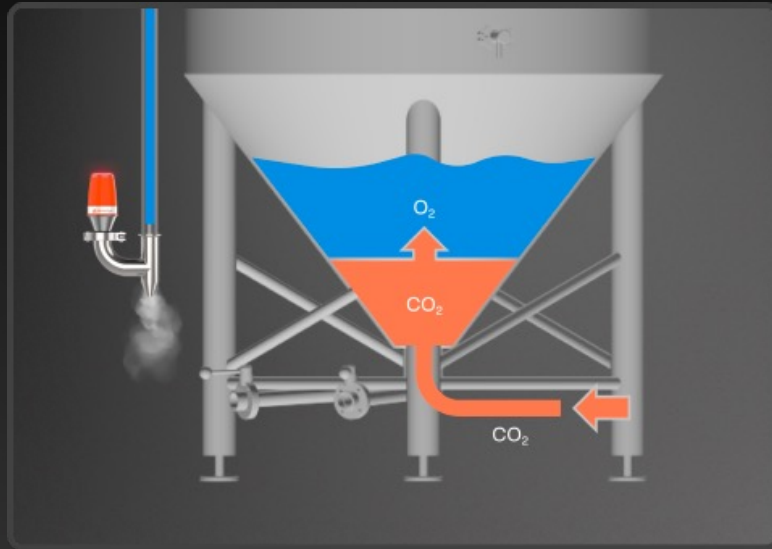


3 Remove battery



4 Insert fresh battery, reinstall clip/cover

O₂ purge for brite tanks – Purge installed on CIP arm while CO₂ is filled from the bottom



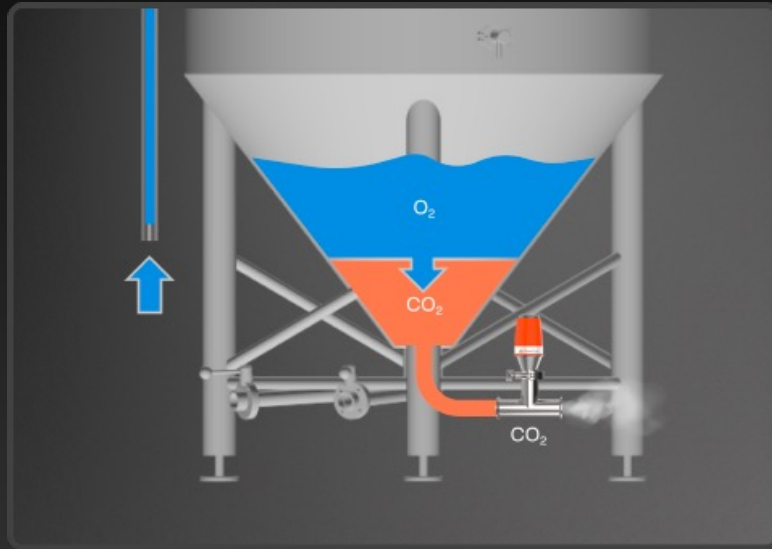
Blink Pattern

- 1x blink – O₂ > 100 ppb
- 1x blink – O₂ < 100 ppb
- 2x blink – O₂ < 30 ppb

LEDs on the purge blink according to oxygen levels

Purpose: Ensures O₂ is removed prior to brite beer transfer, decreasing chances of unwanted dissolved oxygen pickup

CO₂ purge for tanks – Purge installed on drain while compressed air is filled top down



Blink Pattern

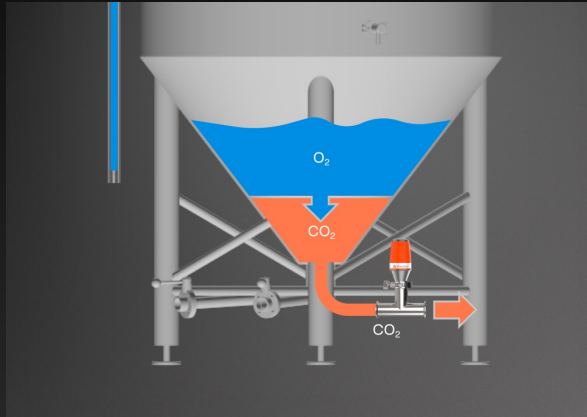
- 1x blink – O₂ < 15%
- 1x blink – O₂ > 15%
- 2x blink – O₂ > 20%

LEDs on the purge blink according to oxygen levels

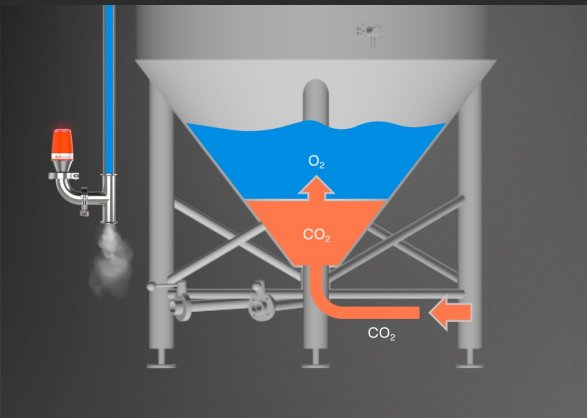
Purpose: Ensures CO₂ is removed prior to caustic cleaning, decreasing changes of dilution and tank damage

Annualized savings when including Purge into your SOP

Compressed Air Purge



CO₂/Nitrogen Purge



Savings Calculator			
Details	Micro	Regional	Typical ranges
Tank size (avg.)	20 bbl	80 bbl	1 to 120 bbls
CO2 purges	3 x monthly	5 x monthly	1 to 10 purges per month
Oxygen purges	2 x daily	4 x daily	1 to 4 tank CIPs per day
Savings	\$	\$\$\$	Additional benefits
Energy use reduction	\$540	\$2,592	reduced maintenance
Reduced CO2	\$33	\$360	environmental savings
Reduced caustic	\$720	\$1,440	increased cleaning efficiency
Reduced water waste	\$804	\$6,428	increased caustic effectiveness
Labor savings	\$101	\$360	increased brewer efficiency
Total Annual Savings:	\$2,197	\$11,180	

Questions?

support@brewops.com



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