SOMEX

Ballyvourney, Macroom,
Co. Cork, Ireland

Phone: + 353 26 65770
Fax: + 353 26 65780
Email: info@somex.ie
Website: www.somexautomation.com

Somex Beverage Degasser

Accuracy and repeatability of degassing are a very important part of the quality process. Studies show variability in degassing will influence Brix, TA and pH results. The Somex Omega Beverage Degasser gives the user full control over the degassing process.

Description:-
The Degasser is available in 1, 2, 5,10 or 20 head configuration; the user has control over the following parameters:

- Air Volume Delivered - Litres
- Rate of air delivery - L/min
- Ramp rate – initial delivery rate.

Accurate measurement of Total Air Volume delivered to each sample ensures repeatability and consistency between samples.

The machine memory can store different programs for different sample types for example sugar and diet beverages may require different parameters.

Initial air delivery – 'ramp rate' can also be set at a % to ensure no foaming and subsequent loss of sample.

Maximum air delivery 8 L/min

Operation:-
The user places the samples to be degassed in the machine tray provided, selects the correct program for the beverage type and presses START. When the exact volume of air has been delivered to each sample the machine will stop and a beacon will alert the user.

Cycle Time:-
This will vary with beverage type; user's annual 'degassing study' will determine the volume of air to be used for each sample type.

Example, if a beverage requires 15 Litres of air to degass.

Degasser Program:
Total Volume - 15 Litres
Flow Rate - 5 L/Min

Ramp - 100%

(Total time to degass = 3 min)

Cost benefits:-

Somex will degass a beverage of 4.3 Gas Volumes completely in 3 minutes

Typically a beverage can line will produce in excess of 1600 cans/minute.

Many plants take between 6 and 10 minutes to degass, if the Brix or Titratable Acidity of the sample is deemed to be out of specification this equates to a minimum of 4800 extra cans to be rejected.

Wrongly rejected samples – *false negative* – opportunities for a sample to be incorrectly rejected because of variability of degassing.

Degassing Process	Somex	Airstone	Mechanical Stirring	Vacuum
Average Standard Deviation	0.019	0.024	0.0388	0.045
Samples wrongly rejected out of 1000	4	19	99	133

Installation requirements:-

Electrical power 110 – 230V
Compressed Air 4 Bar.

Dimensions:- LxWxH mm	Weight
1 head – 250 x 250 x 520	6 Kg's
2 Head – 230 x 300 x 600	10 Kg's
5 Head – 532 x 422 x 617	20 Kg's
10 head – 1370 x 500 x 800	27 Kg's