

Carbo Blender



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General product information

Accurate control of both blending and carbonization is essential in high gravity brewing. The Norit Haffmans Carbo Blender combines both these functions in one skid mounted unit, enabling you to optimize your beer production with regard to both quantity and quality. Deaerated water dosing is controlled by either original gravity or alcohol measurement, and CO₂ dosing by CO₂ measurement. On top of this there is also the option for combined CO₂/O₂ measurement (c-AGM) on this unit.

The Norit Haffmans Carbo Blender performs blending on the basis of water/beer ratio control, with correction on either original gravity or alcohol content through PLC control. This ensures that the blending process is both effective and highly accurate.

After blending, carbonation takes place by injecting CO₂ at the inlet of a dissolution tube. The CO₂ is then finely dispersed and dissolved by a set of static mixers, which is engineered to suit your specific process conditions, guaranteeing complete, bubble-free dissolution of the CO₂.

The Norit Haffmans Carbo Blender is a skid-mounted system, consisting solely of proven components. It includes all required piping, wiring and a PLC control system. The hygienic, fully automated and reliable design guarantees easy handling, low maintenance and a long service life. The quality and reliability of the Carbo Blender is underlined by our many references around the world.



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Carbo Blender



Benefits

- Perfect process and product control
 - high measuring and control accuracy
 - hygienic design
 - bubble-free CO₂ dissolution
- Cost saving
 - no product loss
 - integrated dosing control (embedded software)

Applications

- Automated and accurate blending and carbonization of beverages

Technical Data

Measuring Ranges

CO ₂ :	2.0 - 9.9 g/l
Original Gravity:	0 - 20° Plato
O ₂ (optional):	0.0 – 2000 ppb

Material

Product-contact parts:	AISI 316
Non-contact parts:	AISI 314 / ABS

Control Cabinet

Protection class:	IP 54
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Scope of Supply

- Skid-mounted blending tubes
- High gravity beer and water flow meters
- Water flow control valve
- Original Gravity measurement
- PLC blending control
- Skid-mounted CO₂ dissolution tube
- Static mixers
- Norit Haffmans CO₂ dosing block
- AGM CO₂ measurement & dosing control device
- Instruction Manual

Options

- Pressure control loop
- Constant pressure valve
- Alcohol measurement
- Split range water flow control valves
- Double-seated valve for CO₂ and water CIP by-pass
- O₂ measurement with Norit Haffmans c-AGM

Haffmans BV reserves the right to make changes in the technical specifications at any time.



Haffmans BV

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