

SÜDMO CBR CARBO BLENDER

PRODUCT LEAFLET

GENERAL PRODUCT INFORMATION

Accurate control of both blending and carbonization is essential in high gravity brewing. Pentair Südmö's Carbo Blender combines both these functions in one skid-mounted unit, enabling the optimization of beer production with regard to both quantity and quality. Deaerated water dosing is controlled by either original gravity or alcohol measurement, and carbon dioxide (CO₂) dosing by CO₂ measurement. In addition, there is the option for combined CO₂/O₂ measurement.

The 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 are engineered to suit your specific process conditions, guaranteeing complete, bubble-free dissolving of the CO₂.

The 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 backed by our many references around the world.

BENEFITS

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

APPLICATIONS

- Automated and accurate blending and carbonization of beverages



SÜDMO CBR CARBO BLENDER

PRODUCT LEAFLET

TECHNICAL DATA

Measuring ranges

CO ₂	2.0-9.9 g/l
Original Gravity	0 - 20 °Plato
O ₂ (optional)	0.0-2,000 ppb

Material

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

Control Cabinet

Protection class	IP 54
------------------	-------

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
- Pentair Haffmans' CO₂ dosing block
- AuCoMet-i CO₂ measurement & dosing control device
- Instruction manual

OPTIONS

- Pressure control loop
- Constant pressure valve
- PLC for control of auxiliary equipment
- Product booster pump
- Profibus or extended I/O Data communication
- Nitrogenation
- O₂ measurement with Pentair Haffmans' OGM



SÜDMO PROJECTS GMBH

INDUSTRIESTRASSE 7, 73469 RIESBÜRG, GERMANY WWW.SUEDMO.DE

All Pentair trademarks and logos are owned by Pentair, Inc. All other brand or product names are trademarks or registered marks of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

Pentair is an equal opportunity employer.

CBR E-4 /12 © 2012 Pentair, Inc. All Rights Reserved.

