

ROOTS



Series **BEER RADIX IV**

for Laboratory-use / for Small Production

Beer Filler Canner Monoblock



- Unique 250 (±50) cans per hour, "Can filler / can seamer" monoblock machine. One man operation. Counter-pressure filling is controlled by pressure sensor and PLC.

- "Beer Radix" (Sr.I) was developed in 1996, and over 20 units have been built. Some of them are used at micro beer breweries (for commercial production use), and some units are used at laboratories including Kirin, Sapporo and MillerCoors. "Radix" means "Roots" in Latin.

- Beer Radix was going to Sr.IV in 2011. The new filling valve allows a stable filling of high gas volume products.

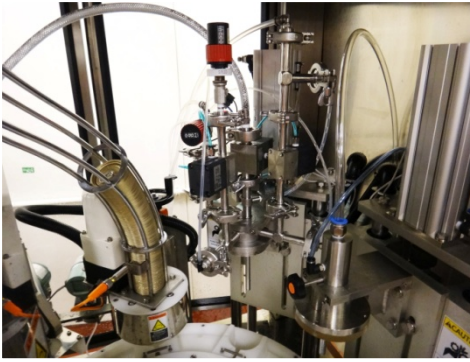
- Seaming head: Standard - "Semitro" type (can body no turn / seaming head turn)
Optional - "Angelus" type (can body turn / lever type seaming roller)

- Can be used for beer and carbonated beverages. We can design and build various canners for laboratory use.

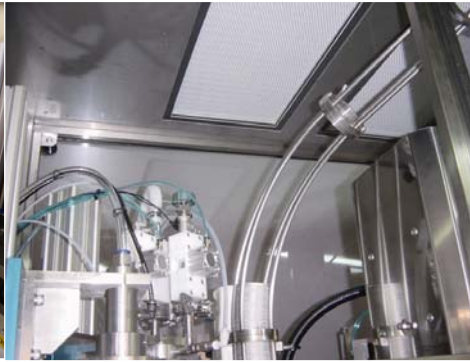
"Beer Radix IV" at MillerCoors pilot plant in Milwaukee, WI, USA.
"Three head water rinser" is integrated in front of the Beer Radix.



No-filler-bowl design and independent under-cover-gassing station makes very low air pick up.



New design filling head allows stable filling of high gas volume beverages. Sanitary control valves (shown at the picture) are optional.



Option: HEPA filter unit at the top (Class 5) with machine total closing doors.



Option: Three head water rinser / blower with conveyor. Date coding on the bottom (ink jet) is also available.



Thanks to its very compact monoblock design and one man operation feature, "Beer Radix" is very nice solution not only for laboratory use but also for small scale commercial production. Over 10 units of "Beer Radix" are used at craft beer breweries in Japan to produce canned beer.

Technical Features (May revise without notice)

Item	Description
Products	Beers or Carbonated Products
Rated output	See "Performance Data"
Other performance	See "Performance Data"
Temperature at filling	maximum 4°C
CO2 contents in products	To be specified
Elec. Voltage, etc.	200VAC 3ph 50 or 60Hz
Operation air	8 bar
Cleaning air	8 bar
CO2/ N2 pressure	6 bar
CO2/ N2 flow rate	Depends on the filling method
Products/CIP supply line	1.5S Ferrule (tri-cramp) (standard)
Cleaning / sanitizing	maximum 80°C hot water or cold sanitizer
Make of PLC	Mitsubishi (standard)
Weight of the machine	Approx. 1.2 tons

