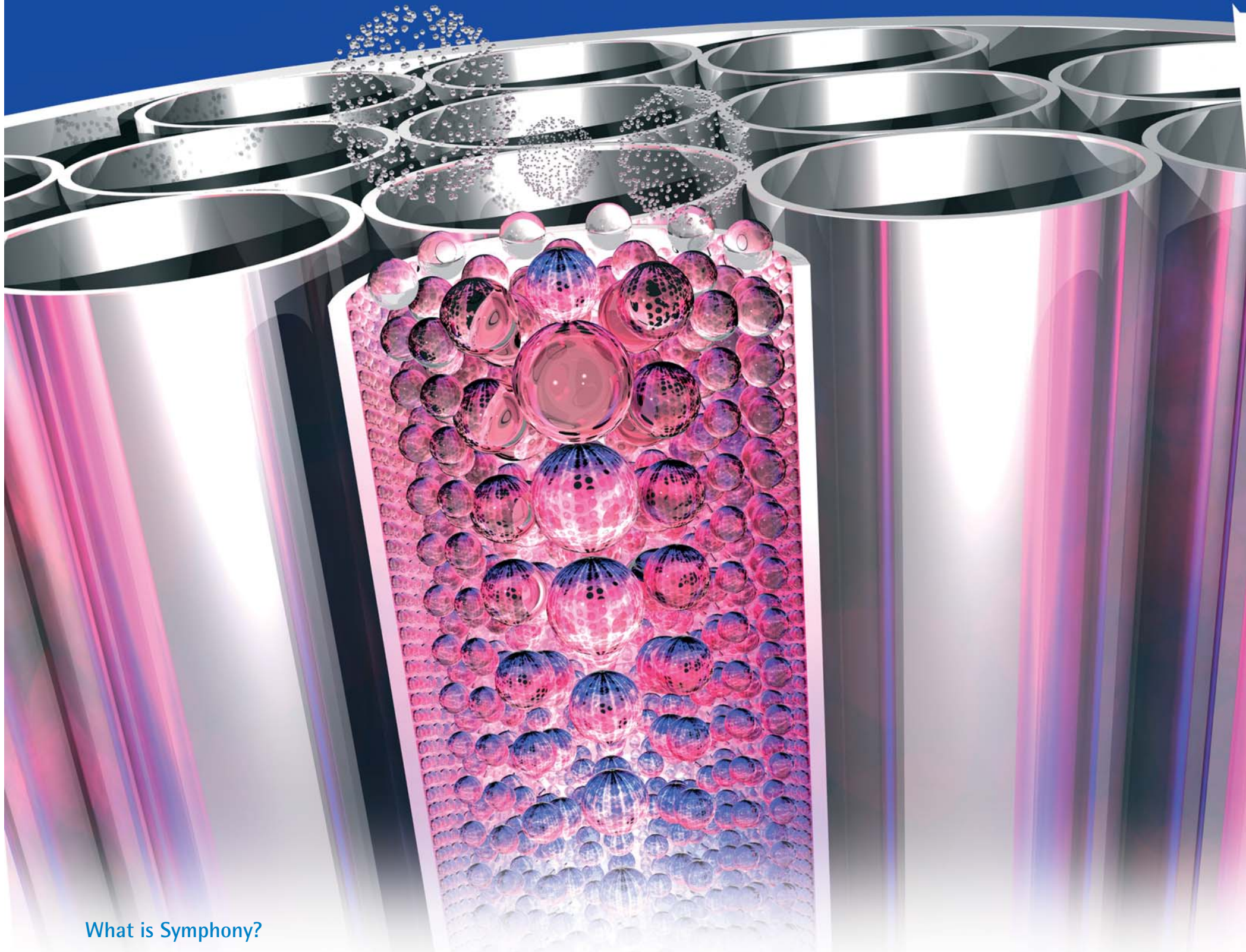


Symphony – Wort Boiling



What is Symphony?

Symphony is a very large heater surface area Briggs thermosyphon external wort boiling (EWB) system - it has been developed over a 10 year period with major brewers in large scale brewing.

It has a very large heater surface area, four to five times that typical of leading competitors. This large area gives rise to even lower ΔT - which further minimises the risk to foam positive proteins and reduces fouling so that even more brews can be achieved between cleans. It massively improves brewhouse efficiency.

Large surface area and low ΔT produce huge quantities of small vapour bubbles, maximising the liquid/vapour interface area, promoting trub formation and volatile stripping.

Wort is re-circulated through a significantly increased number of long heater tubes, and wort is returned to the kettle above the liquid surface with a tangential action that helps maintain market leading levels of wort homogeneity.

Better volatile stripping is achieved with more two-phase flow, more bubbles and bigger bubbles at the top of the tube bundle, allowing the Brewmaster to consider lower evaporation rates.

Lower evaporation rates lead to far lower energy costs.



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