

"We are looking here at nothing short of a potential revolution in cost saving terms for the brewing industry and one which could impact very favourably on the bottom line".

*Professor Richard Sharpe,
Technical Director, BRi*

The PDX® Wort Heater harnesses shockwave technology to provide highly efficient energy solutions for the brewing industry.

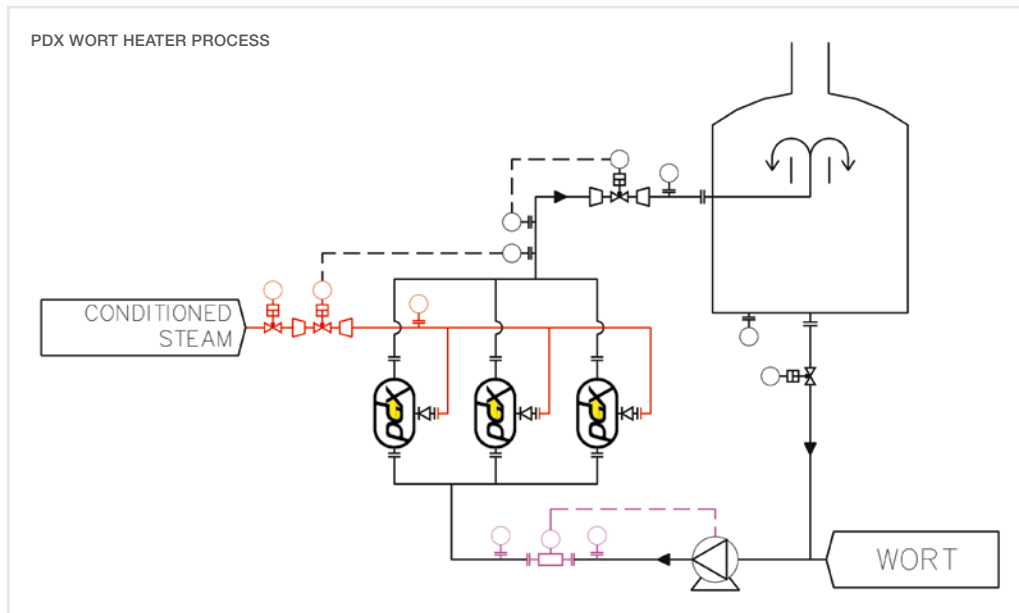
Pursuit Processing Equipment, with major industry partners, has proved that the PDX Wort Heater offers large energy savings, enhanced volatile stripping, increased process controllability, and reduced processing time for the intensive wort boiling process without compromising on quality or flavour.

The PDX Wort Heater provides a substantial energy consumption saving of up to 50%, at point of use. Imagine, supersonic shockwave technology providing speed, efficiency and simplicity whilst dramatically reducing your energy costs. This is PDX technology.



PURSUIT PROCESSING EQUIPMENT

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Key Features

- Direct replacement for external wort heater, the PDX is retrofittable and will fit within existing footprint
- Alternative solution to internal heaters
- Positive mixing of liquid and adjuncts introduced into the suction side of the PDX
- Utilises a clear bore internal design, offering no hot or cold spots during operation
- Fully cleanable in place
- EHEDG and 3A hygiene approved.

PDX Wort Heater would comprise of the following:

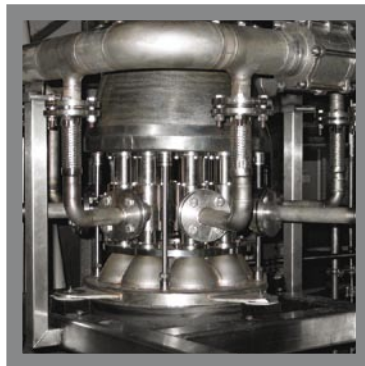
- Base Array
- Wort recirculation and pressure management
- Full steam conditioning package
- Control package incorporating user HMI interface with full factory PLC/SCADA connectivity
- Full process and project implementation
- Retrofittable or new unit installation available.

Wort Treatment

- Low thermal shock, homogenous heating
- Extended vapour region where multiphase flow is maintained and volatile stripping enhanced
- Highly turbulent flow enhances chemical reaction rates
- Direct steam injection under partial vacuum enables low temperature boiling.

Process Benefits

- Energy savings up to 50%, at point of use
- Ability to commence wort heating during copper fill, resulting in shorter process times
- Early volatile stripping of high gravity worts
- Reduced fouling. Giving a reduction in cleaning time, chemicals and effluent – no requirement for extensive wort heater cleaning
- Accelerated process cycle times
- Lower wort recirculation rates resulting in smaller wort and steam pipework dimensions.



700 – HL WORT COPPER BASE ARRAY



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