



## next-CSP

**High Temperature concentrated solar thermal power plant with particle receiver and direct thermal storage**

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## Abbreviations

CNC	Computer Numerical Control
DPI	Dye Penetrant Inspection
NDT	Non-Destructive Testing
UT	Ultrasonic Testing
TIG	Tungsten Inert Gas
WEL	Whittaker Engineering (Stonehaven) Limited
WJS	Water Jet Sweden
WPQR	Weld Procure Qualification Record
WPS	Weld Procedure Specification

## Introduction

This document addresses the manufacturing processes that have been used in the manufacture of the receiver tubes and those proposed for the manufacture of the dispenser vessel and air preheater / heat exchanger.

## References

- [1] C. K. Ho, R. Mahoney, A. Ambrosini, M. Bencomo, A. Hall und T. N. Lambert, „Characterization of Pyromark 2500 for High-Temperature Solar Receivers,“ in *Proceedings of the ASME 2012 6th International Conference on Energy Sustainability*, San Diego, 2012.
- [2] American Society of Mechanical Engineers (ASME), *Boiler and Pressure Vessel Code (BPVC) Section IX*, New York: American Society of Mechanical Engineers (ASME), 2017.