

Domestic Hot Water Module Factsheet



Model Fresh Hydro
Manufacturer SEG KIOTO GmbH
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Internet www.kiotosolar.com
Test date 08.2015

Dimensions

Length 0.60 m
Width 0.40 m
Depth 0.30 m

Main components

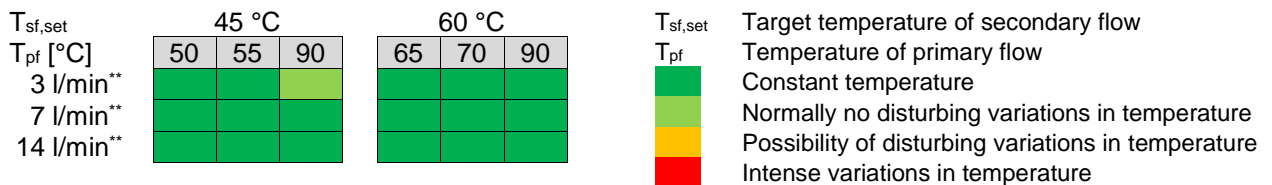
Primary pump Wilo, Yonos PARA HU25/7.0
Heat exchanger PBX11-41 FWS Hydro
Regularization Fresh Control

Performance

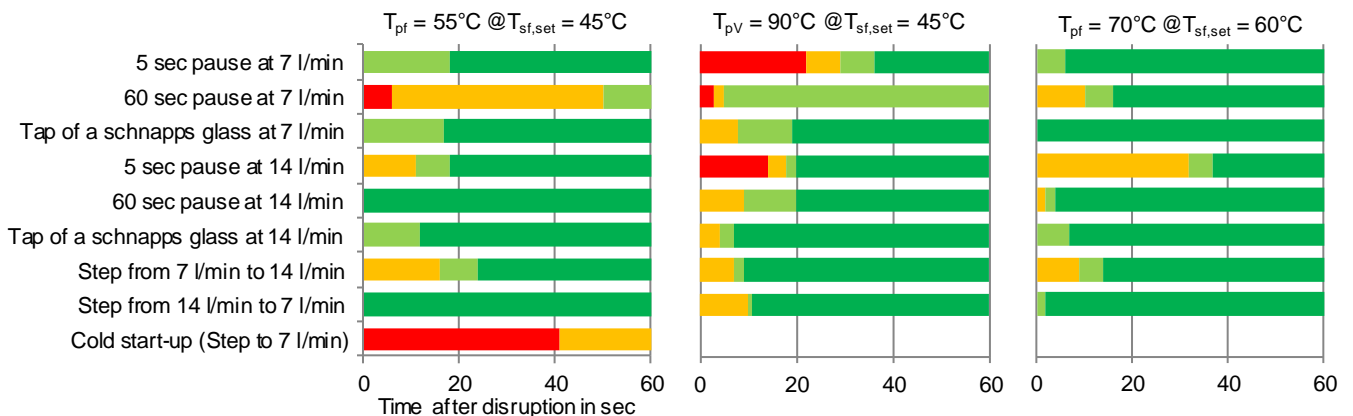
Minimum flow rate*: 1 l/min **Maximum flow rate***: 31.6 l/min

Comfort

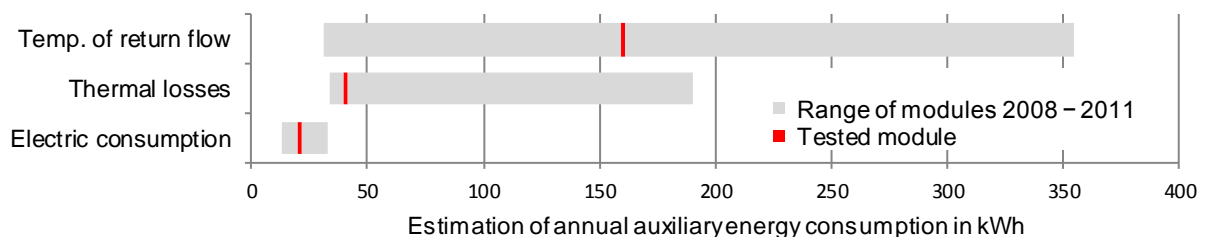
Variations in temperature during stationary operating conditions



Variations in temperature and settling time after typical disruptions in tapping profile**



Energy efficiency



* Preset target temperature 45 °C, Temperature of primary flow 55 °C, Temperature of secondary return flow 10 °C.

** Volume flow on tap with 42 °C assuming an admixture of cold water with 10 °C.

For the testing and rating of variations in temperature, there is assumed the attenuation of a 10 m long copper piping (DN 20). The estimations of energy efficiency are based on a typical solar combisystem (10 m² collector area; 1 m³ storage tank; condensing gas boiler; four persons domestic home) and are being compared to the range of all modules of the first test series (2008 – 2011). Detailed information can be found in the report: [BFE-Abschlussbericht](#) (German).