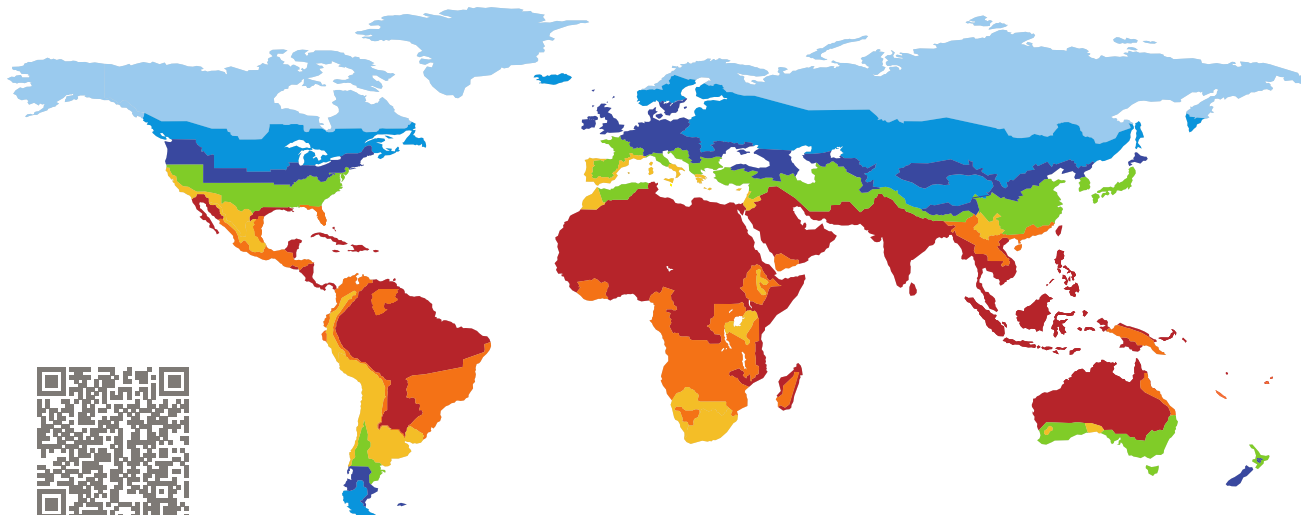


# CERTIFICATE

Certified Passive House Component

Component-ID 0792sr03 valid until 31st December 2016

Passive House Institute  
Dr. Wolfgang Feist  
64283 Darmstadt  
Germany



Category: **Drain Water Heat Recovery**  
Manufacturer: **Dutch Solar Systems b.v.,  
Enschede,  
Netherlands**  
Product name: **DSS showerdrain channel WWHR model  
900/4**

## This certificate was awarded based on the following criteria:

Tested under standard boundary conditions<sup>1</sup> the system reduces the useful energy demand for shower by

44 % ≥ 30 %

steady-state efficiency

54 %

effective dead time

5 s

design flow rate

8 l/min

## Further properties

Pressure drop tap water at 8 l/min: 0.20 bar

Anschluss tap water: 1/2" AG

Connection waste water: DN 50

<sup>1</sup>Balanced flow rates, cold water temperature 10 °C,  
Temperature at shower head 40 °C, waste water temperature 35 °C,  
negligible pipe length, shower time 6 min,  
flow rate 8 l/min

Passive House  
efficiency class

phE

phD

phC

phB

phA

phA+

all climate zones



**CERTIFIED  
COMPONENT**

Passive House Institute