

A new **solar energy** solution for generating **thermal energy** in the industrial and commercial sectors.

The Power Trough 250® is a Linear Parabolic Trough Solar Concentrator useful in industrial and commercial applications for generating thermal energy from 90-260°C.

Our solar concentration technology is superior to what is currently available on the market for heating water, generating steam, or generating process heat, because it is more efficient than other solar collectors. The Power Trough 250® has better modularity, taking more effective advantage of the available installation area and generating more thermal energy per unit of area. The systems have remote monitoring to ensure optimal functioning during the 20-year life of the product.



REDUCE THE FUEL CONSUMPTION OF INDUSTRIAL BOILERS BY GENERATING THERMAL ENERGY USING THE UNLIMITED ENERGY OF THE SUN.

Ideal Processes for Installing the Power Trough 250®

- Steam generation
- Boiling
- Heating air
- Distilling- dying
- Scalding
- Pasteurization
- Sterilization
- Cooking
- Heat input for various processes
- Dehydration of products

Benefits

- Up to 80% reduction in fuel consumption for process heat generation.
- Reduction and stability in energy costs.
- Reduction of CO2 emissions into the atmosphere.
- No initial investment needed with our system leasing options



Hot water



Steam generation



Dehydration



Textiles



Laundries



Food Industry



Distilleries



Breweries



Farming Industry



Milk and dairy products



Agriculture



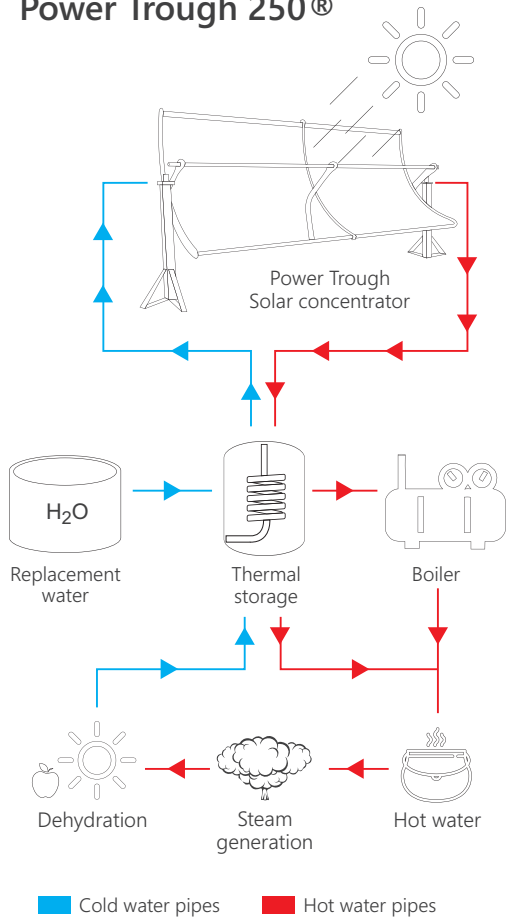
Among others...

Ideal Industries





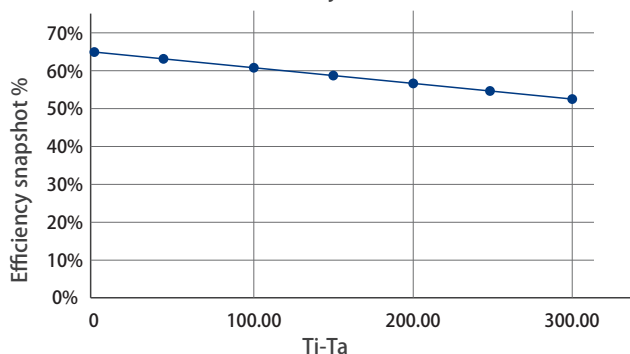
Operation Diagram Power Trough 250®



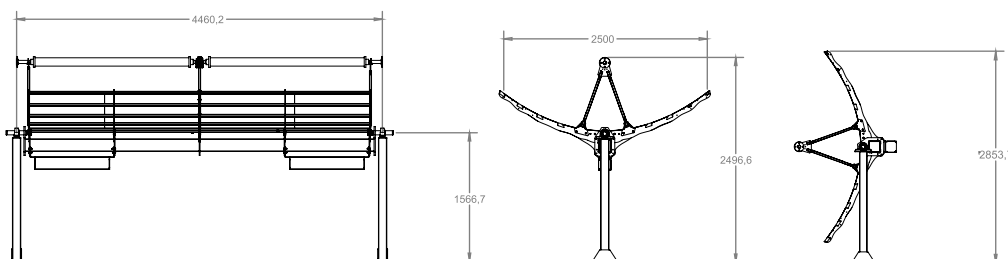
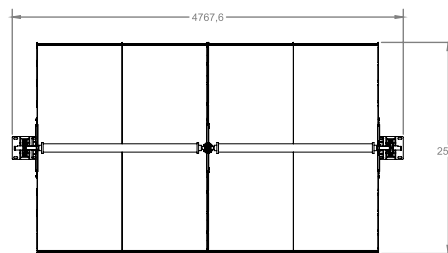
Specifications

Parameters	Value/Type
Collector aperture	2.5m
Collector length	4.16m
Effective solar collection area	10m ²
Receptor tube exterior diameter	38mm
Reflective material	Anodized aluminum
Receptor tube material	316L
Receptor emissivity	10% a 200°C
Glass covering material	Borosilicate
Temperature range for application	90-260°C
Thermal power provided	5,900 Wt (5.6 BTU/s)
Total reflective surface reflectance	90%
Product lifespan	> 20 years

Power Trough 250® efficiency (Projected)



General Dimensions



Inventive Power
Breaking new ground in Energy

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