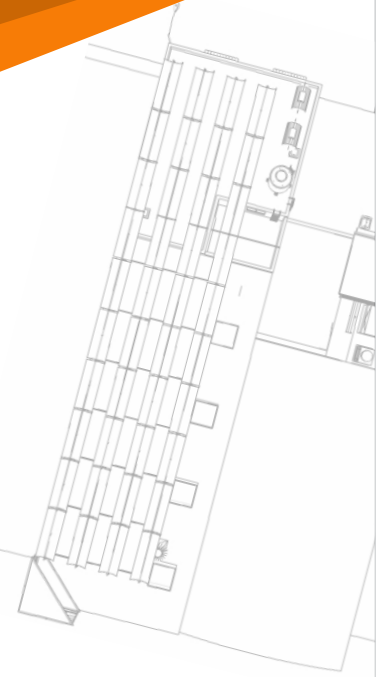


A new **solar energy** solution for generating **thermal energy** in the industrial and commercial sectors.

The Power Trough 110® is a **Linear Parabolic Trough Solar Concentrator** useful in industrial and commercial applications for generating thermal energy from **45-130°C**.

Our solar concentration technology is better than what is currently available on the market for heating water, generating steam, or generating process heat, because it is more efficient than other types of solar collectors. It has better modularity, more effectively taking advantage of available installation area (rooftop or floor) 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 Power Trough 110®

- Drying
- Boiling
- Laundering
- Distillation
- Pasteurization
- Scalding
- Cooking
- Sterilization
- Pre-heating boilers
- Water heating
- Steam generation
- Dehydration of products
- Thermal input for various processes

Benefits

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



Hot water production



Steam production



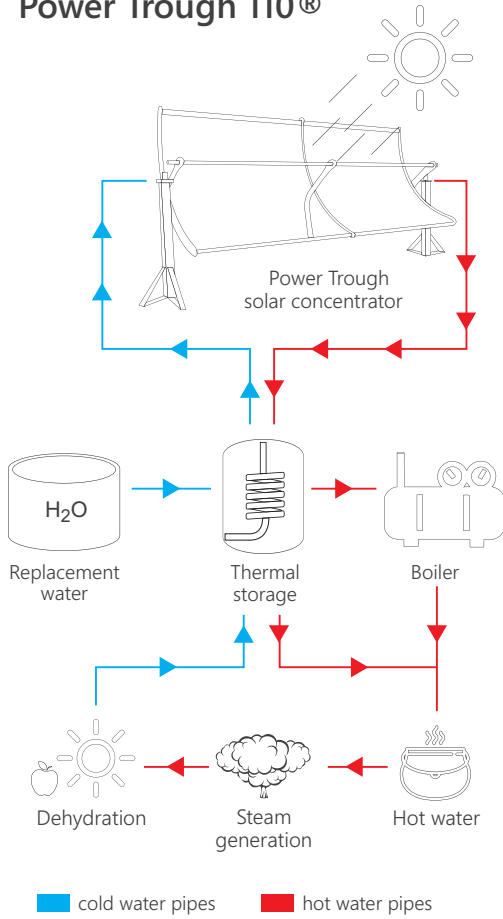
Dehydration

 Food Industry	 Milk and dairy products	 Distilleries	 Farming Industry	 Hotels	 Hospitals
 Breweries	 Textiles	 Pharmaceuticals	 among others	 Sports Clubs	 Laundries

Ideal Industries:



Operation Diagram Power Trough 110®



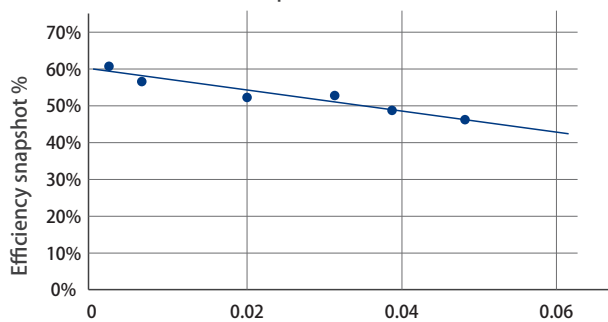
Specifications

Parameters	Value/Type
Collector aperture	1.10 m
Collector length	3.06 m
Focal distance	0.341 m
Surface area of collector aperture	3.36 m ²
Receptor tube exterior diameter	33.4 mm
Glass covering exterior diameter	70 mm
Reflective material	Anodized aluminum
Receptor tube material	AISI 304
Receptor tube treatment	Selective coating
Glass covering material	Borosilicate
Collector weight	97 kg.

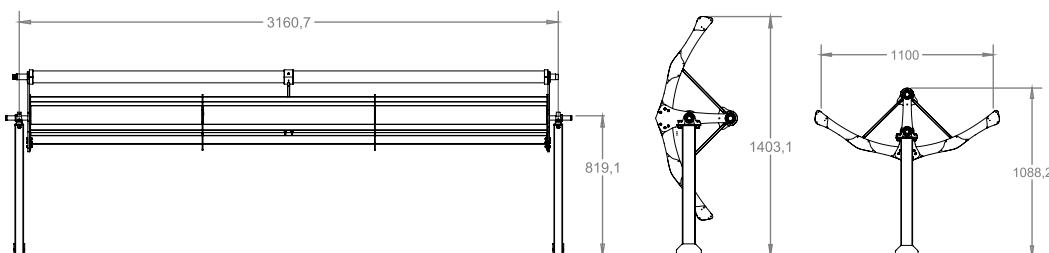
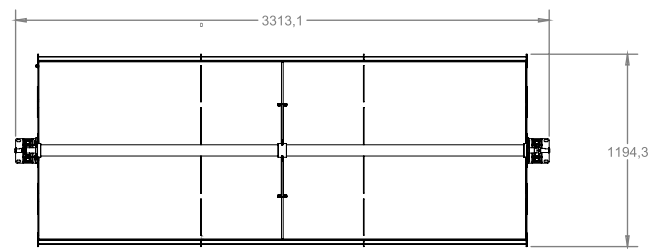
Performance

Parameters	Valor/Tipo
Temperature range for application	45-130°C
Total reflectance of reflective surface	90%
Receptor tube emissivity	0.35
Receptor tube absorbcency	87%
Thermal power provided	1,815 Wt (1.72 BTU/s)
Maximum wind velocity tolerated	210 km/h (130 mph)
Product lifespan	>20 years

Power Trough 110® efficiency (experimental)



General dimensions



Inventive Power
Breaking new ground in Energy

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