Sentinel SolarFlush

Flushing, venting and filling solar systems

Features & Benefits

- Designed for flushing systems with Sentinel R200 to remove deposits and sludge from degraded solar thermal fluids
- Dry self-priming pump - needs no initial liquid to be added before operating
- Glycol-resistant materials of construction
- Capable of transporting air within the fluid - important when rinsing or evacuating the air from solar system circuits during filling
- Discharges pump chamber almost completely - no leakage during transport

Description and Use

The Sentinel SolarFlush unit can be used to clean, flush, rinse and vent a solar collector heat transfer circuit. It can then be used to charge fresh heat transfer fluid into the circuit to the correct pressure. For more details on the use of the SolarFlush unit in conjunction with Sentinel R200 cleaner refer to the Technical Information sheet entitled “Sentinel R200 Solar System Cleaner Application Guidelines” which is available at www.sentinel-solutions.net or available from Sentinel Performance Solutions Ltd.

Rugged Cart

Easy to manoeuvre on two large pneumatic wheels and is suitable for uneven building sites or stairs.

Temperature-resistant Hose

High temperature-resistant hose from -40 to 60°C. The practical hose holding device keeps hoses tidy. A well fitting interlocking connector prevents leakage of liquid residues during transport.

Tank

Tank can be easily removed for cleaning and has a wide opening with screw cap. The tank holds sufficient antifreeze or cleaning solution for the volume of the system. The large tank is useful for filling and observing the progression of the clean/filling process.

Filter

Foreign matter is filtered out by an integral fine strainer when flushing the solar system. A large inspection window in the filter enclosure allows for detection of bubbles and debris in the tube.

Drain valve

The manual drain valve behind the pump outlet permits easy emptying of the discharge line after use so that it can be quickly disconnected from the fittings.

Technical Specification

Pump	*Self-priming centrifugal (max. dry-run 1 min)*
Housing Cover	*Cast Iron*
Max. flow rate	*31 L/minute*
Max. pressure	*5.9 bar*
Motor	*230V 1.7 m cable with plug*
Hose	*½” [DN 13]*
Temperature	*Max. 60℃ continuous operation*
Power	*0.59 KW*
Dimensions	*H x W x D = 1000 x 495 x 535 mm*

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