



SOLAR THERMAL
SYSTEMS
ACCESSORIES

Safety & Instalation Accessories



CLOSED CIRCUIT EXPANSION VESSEL

The VTX -2 is a closed cylindrical expansion tank suitable only for the closed circuit of the solar water heater.

It has a screw thread, at the bottom, so that it can be connected to the tank of the solar water heater. On its top side, it has a spot, where a 1.5 Bar safety valve can be installed.

TECHNICAL FEATURES

- > 6 bar endurance pressure
- > 4 bar maximum operation pressure
- > 160°C endurance pressure
- > Galvanized and electrostatically painted for maximum endurance
- > Designed for use outside
- > Without welding

DIMENSIONS

Diameter: 155 mm
Height: 158 mm
Weight: 784 gr



OVERHEATING PROTECTION COVER

The VENMAN solar collector's cover is designed for endurance, efficiency and also easy installation. It is waterproof and reflects all the incoming solar radiation by pausing the solar collector. It has adjustable binding straps so that it can be fully attached on the collector's surface without allowing air currents to penetrate between the surfaces.

It can be easily and rapidly installed. It is also easy to store so that you do not lose it and have it always at hand.

PROTECTION AGAINST:

- > Overheating
- > Thermal expansion
- > Dust & other materials

RECOMMENDED FOR:

- > Absence from your home for a long period of time
- > Cottages
- > During the summer months for systems with excessive or oversized collectors



THERMOSTATIC MIXING VALVE

Thermostatic mixing valves are used in domestic hot water systems to regulate and maintain the temperature of domestic hot water, thereby providing protection against burns.

Manufactured according to European standards EN 12164:2011, EN 12165:2011, EN 1503-4:2003, EN 10088-3:2005, EN 12516-3:2003, EN 12266-1:2012.

TECHNICAL FEATURES

- Material:** DZR brass
- Max working pressure:** 1,0 MPa (10 bar)
- Max working temperature:** 99°C
- Temperature setting range:** +38°C to +65°C



TEMPERATURE & PRESSURE SAFETY VALVE

Temperature and pressure relief valves are suitable for the solar water heaters to provide automatic overpressure and overheating protection.

At first, it responds to excessive pressure by opening the valve at the regulated pressure level, typically at 10 Bar, to prevent further pressure increase. The pressure & temperature relief valve detects excessive pressure, opens and discharges thermal expansion by returning pressure back to normal conditions.

Secondly, it responds to overheating. When the water temperature in the solar water heater reaches 95°C, the internal thermostatic element of the discharge valve expands, lifting the valve tray from its position to expel the overheated water. This allows colder water to enter the tank and adjust the temperatures. When the temperature returns to a safe level (*below 95°C*), the thermostat shrinks, allowing the spring to reposition the valve. At this point the temperature discharge element is ready to protect the system again.

SOLAR SYSTEM CONNECTION MATERIAL

Complete solution variety to choose for your solar themosiphonic system set. All the offered sets are quality specified with respect towards the end user.



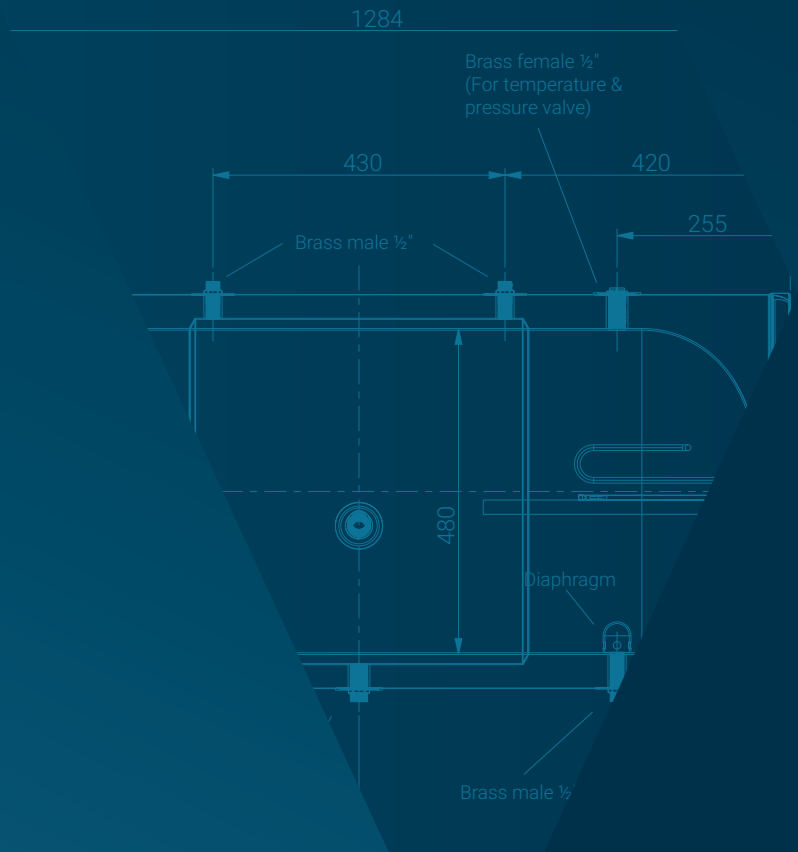
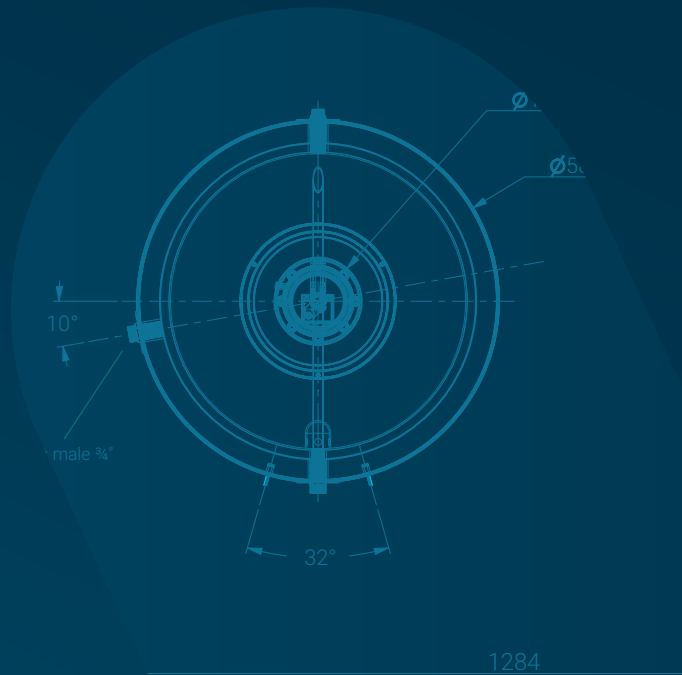
TECHNICAL PARAMETERS

- Pressure setting:** 10 Bar
- Adjustable pressure tolerance:** +5%, -10% of the adjusted pressure
- Temperature adjustment:** Up to 99°C
- Temperature tolerance setting:** 95°C – 99°C





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