

# Eres solar intermediate vessels

## Introduction

Eres intermediate vessels are manufactured to meet the requirements of PED 97/23/EC Directive, are suitable for closed solar energy heating systems in accordance with DIN4757-2 'Solar heating plants operating on organic media; Requirements relating to safe design and construction' and BS EN 12977 & DD CEN/TS 12977 'Thermal solar systems and components. Custom built systems & performance test methods'.

In the event that the diaphragm within an expansion vessel could be subjected to continuous temperatures above 100°C, the vessel must be protected by an additional vessel (VDI 6002 directive).

## Design

The vessels are fabricated by welding the various sections together which results in a very reliable structure suitable for internal pressures up to 10 bar.

Intermediate vessels do not contain a diaphragm but act as a buffer vessel.

Epoxy coated and available in white.

## Installation

The intermediate vessel should be installed between the solar collector and the expansion vessel.

The function of the vessel is to avoid premature ageing of the diaphragm in the expansion vessel caused by water contacting the diaphragm at too high a temperature.

The intermediate vessel hold a quantity of water which is allowed to cool and it is this cooled water which enters the expansion vessel.

## Technical Data

Max. working pressure:	10 bar
Operating temperature range:	-10 to 160°C

## Materials

Shell:	carbon steel
Connections:	carbon steel
Coating:	epoxy powder

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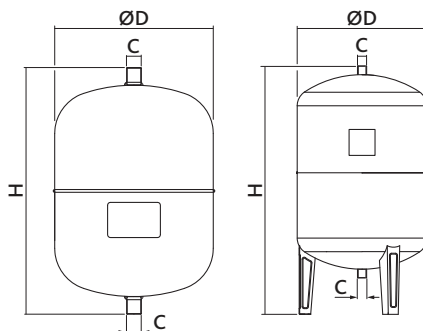
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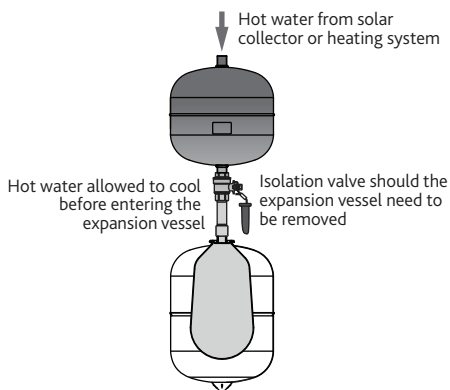
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## Dimensions



Prod Code	Capacity	ØD	H	C
SX-VI0005	5 litres	200	251	G¾B
SX-VI0008	8	200	350	G¾B
SX-VI0012	12	270	318	G¾B
SX-VI0018	18	270	420	G¾B
SX-VI0024	4	320	440	G1½B
SX-VI0035	35	360	618	G1B
SX-VI0050	50	360	730	G1B
SX-VI0100	100	450	860	G1B
SX-VI0200	200	550	1135	G1½B
SX-VI0300	300	650	1160	G1½B

## Typical Installation



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