

Eres potable water expansion vessels

Introduction

Eres expansion vessels are manufactured to meet the requirements of Pressure Equipment Directive 2014/68/EU and BS EN 13831:2007 'Closed expansion vessels with built in diaphragm for installation in water'.

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.

Epoxy coated and available in white.

Replaceable bladder.

AISI 304 stainless steel threaded connection.

Pre-pressurised air chamber with EPDM elastomeric bladder.

The internal surfaces of the vessel are epoxy coated to help prevent bacterial growth and corrosion.

Suitable for temperatures up to 100°C, resistant to ethylene or propylene glycol mixtures and has low gas permeability.

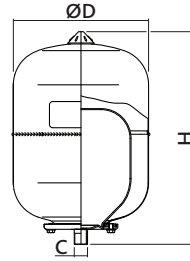
Technical Data

Max. working pressure:	10 bar
Operating temperature range:	-10 to 100°C
Factory air pre-charge pressure:	1.5 bar
WRAS Approved Product except for sizes indicated *	

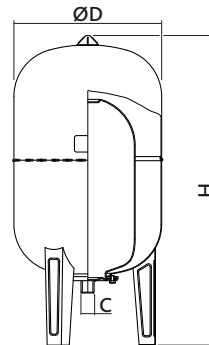
Materials

Shell:	carbon steel
Connections:	304 stainless steel
Bladder elastomer:	EPDM
Coating:	powder epoxy

Dimensions



Prod Code	Capacity	ØD	H	C
ER-PV5	5 litres	200	260	R¾
ER-PV8	8	200	351	R¾
ER-PV12	12	270	326	R¾
ER-PV19	19	270	427	R¾
ER-PV24*	24	270	537	R¾
ER-PV35	35	360	479	R1



Prod Code	Capacity	ØD	H	C
ER-PV50	50 litres	360	755	R1
ER-PV80	80	450	745	R1
ER-PV100	100	450	855	R1
ER-PV200	200	550	1,155	R1¼
ER-PV300	300	650	1,146	R1¼
ER-PV500*	500	750	1,450	R1¼
ER-PV700*	700	700	2,135	R1½
ER-PV1000*	1,000	850	2,225	R2

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