



Instantor®

Technical Specification
Expansion Vessel



Product Code	710420, 710421, 710422, 710423, 710424, 710425, 710445, 710450, 710451
Description	Tucson® Potable Expansion Vessel. Fluid Group II.
Capacity Range & (Connection):	8L (3/4"), 12L(3/4"), 19L(3/4"), 24L(3/4"), 36L(3/4"), 50L(1"), 80L(1"), 100L(1"), 150L(1") All BSP Male connections.
Colour	WHITE
Max. Pressure (PS):	2L-24L= 8 Bar. 36L-150L = 10 Bar.
Max Operating Temp. (TS)	100°C System 70°C Membrane
Min Operating Temp (TS)	-10°C (flowing fluid)
Material Specification	Steel body, 304 Stainless Steel flange, EDPM Bladder – WRAS approved material #1504513. Air Pre-charge 3.5Bar. < 100L and 4 Bar for above capacities.
Conformity to:	PED 2014/68/EU – EN13831 – EN12100. Module B + D TCS CE 2513

Vessels up to a size of 36L come supplied with a mounting Bracket. The Vessels weight must be adequately supported. Mounting from a wall plate is insufficient. The Pre-charge is 2 Bar but due to transportation & storage the installer should check the Pre charge and if required calibrate to 2 -4 % less than the systems M.O.P. Best practice is to install the vessel in a vertical position with the feed pipe gradually rising to the vessel's bottom threaded connection.

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CODE	Capacity (Litre)	Max Pressure (Bar)	Wall Thickness	Diameter	Height	Max Temp. (°C)	Connection (BSP)
710420	8L	8	0.8mm	200mm	330mm	70/ 100	3/4"
710421	12L	8	0.8mm	270mm	360mm	70/ 100	3/4"
710422	19L	8	0.8mm	270mm	365mm	70/ 100	3/4"
710423	24L	8	0.8mm	270mm	430mm	70/ 100	3/4"
710424	36L	10	1.0mm	330mm	450mm	70/ 100	3/4"
710425	50L	10	1.2mm	350mm	700mm	70/ 100	1"
710445	80L	10	1.5mm	400mm	900mm	70/ 100	1"
710450	100L	10	1.5mm	460mm	990mm	70/ 100	1"
710451	150L	10	2.0mm	480mm	990mm	70/ 100	1"

Example of Installation for vessels upto 36L using the provided Fixing bracket:

