

DATA SHEET 2023	UWR SYSTEM Denmark, patent pending	Device	Text	Text	Text	Consumption units
UWR System Waterproof Patent Pending.	UWR no.	No.	7204B-Ø	7204S-A-Ø	7204S-B-Ø	
	Item name	Name	UWR Pipe 302, Blue	UWR Pipe 302 HL, Black	UWR Pipe 302 ML, Black	1
	Materials	Materials	Polypropylene VX	PP >50% Recycled plastic	PP >80% Recycled plastic	
	Dry weight	kg	20.3	20.3	18.9	
	Colour	Colour	Blue	Black	Black	
Volume	Gross volume	Litres	301.4	301.4	301.4	
	Net volume	Litres	>263-277	>263-277	>263-277	
Measurements	Height	mm	615	615	615	
	Width	mm	700	700	700	
	Length	mm	700	700	700	
	Surface	m ²	0.49	0.49	0.49	
Accessibility	Connections	DN mm	110, 160, 250, 315, 425, 500	110, 160, 250, 315, 425, 500	110, 160, 250, 315, 425, 500	
	Inspection tube	DN mm	315, 425, 500	315, 425, 500	315, 425, 500	
	Coil diameter	mm	500	500	500	
	Buoyancy protection	units	UWR Drift Lock	UWR Drift Lock	UWR Drift Lock	2
	Locking wedges	units	UWR Pin Lock	UWR Pin Lock	UWR Pin Lock	3
	In stock	Warehouse	v	v	Project-oriented	
Dimensioning – Strength	Gasket 1 in the gasket slot	DN mm	500	500	500	1
	Load at 35 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/0.12 m ²	40	35	01.09.2023	
	Load at 35 cm coverage incl. 7 cm asphalt/tiles (axle load)	Axle load in kN	80	70	01.09.2023	
	Load (wheel pressure) at 40 cm coverage incl. 7 cm of asphalt/tiles. (EU maximum wheel pressure 60 kN)	Wheel pressure kN/0.12 m ²	65	50	01.09.2023	
	Load (axle load) at 40 cm coverage incl. 7 cm of asphalt/tiles. (EU maximum axle load 115 kN)	Axle load in kN	115	100	01.09.2023	
	Load at 50 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/0.12 m ²	100	100	01.09.2023	
	Load at 50 cm coverage incl. 7 cm of asphalt/tiles.	Axle load in kN	200	200	01.09.2023	
	Deflection at 150 kN/m ² at depth of 0.4 metres	mm	1	2	01.09.2023	
	Deflection at 65 kN 0.2x0.6 m ² at depth of 0.4 metres	mm	2	4	01.09.2023	
	Deflection at 100 kN 0.2x0.6 m ² at depth of 0.4 metres	mm	5	7	01.09.2023	
	Deflection at 100 kN 0.2x0.6 m ² at depth of 0.8 metres	mm	0.3	0.7	01.09.2023	
Test	Stacking at 40 cm coverage with asphalt stable gravel	meter	2.46	2.46	2.46	
	Flush pressure	Bar	170	170	170	
	Pressure test: Must be verified and approved by consultant prior to commissioning.	Max-bar	0.3	0.3	0.3	
	Discharge of microplastics at 170 bar	g/m ² per instance	0.05	0.05	0.08	
	Oil and chemical resistant	Period 75 years	ok	ok	ok	
	Lifespan	Years	>75	>75	50	

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UWR System Waterproof Patent Pending.	UWR no.	No.	7205B-Ø	7205S-A-Ø	
	Item name	Name	UWR connect 302, Blue	UWR connect 302 HL, Black	1
	Materials	Materials	Polypropylene VX	Polypropylene V	
	Dry weight	kg	15.52	15.52	
	Colour	Colour	Blue	Black	
Volume	Gross volume	Litres	301.4	301.4	
	Net volume	Litres	>263-277	>263-277	
Measurements	Height	mm	615	615	
	Width	mm	700	700	
	Length	mm	700	700	
	Surface	m ²	0.49	0.49	
Accessibility	Connections	DN mm	110, 160, 250, 315, 425, 500	110, 160, 250, 315, 425, 500	
	Inspection tube	DN mm	315, 425	315, 425	
	Coil diameter	mm	500	500	
	Buoyancy protection	units	UWR Drift Lock	UWR Drift Lock	2
	Locking wedges	units	UWR Pin Lock	UWR Pin Lock	3
	Covers accessories		UWR Cover Ø500	UWR Cover Ø500	4-6
	Covers with holes accessories	units	UWR Cover Ø500 w/holes	UWR Cover Ø500 w/holes	4-6
	Connectring accessories	units	UWR Connectring Ø500	UWR Connectring Ø500	1-2
	Connectring accessories	units	UWR Connectring Ø500 Closed	UWR Connectring Ø500 Closed	1-2
Connectring accessories	units	UWR Connectring Ø500 w/holes	UWR Connectring Ø500 w/holes	1-2	
Dimensioning – Strength	Gasket in the Gasket slot	DN	500 mm	500 mm	6
	Load at 35 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m ²	40	40	
	Load at 35 cm coverage incl. 7 cm of asphalt/tiles. (8 tonnes axle load)	Axle load in kN	80	80	
	Load at 40 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m ²	65	65	
	Load at 40 cm coverage incl. 7 cm of asphalt/tiles. (11.5 tonnes axle load)	Axle load in kN	115	115	
	Load at 50 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m ²	100	100	
	Load at 47 cm coverage incl. 7 cm of asphalt/tiles.	Axle load in kN	200	200	
	Deflection at 150 kN/m ² at depth of 0.4 metres	mm	2	2	
	Deflection at 65 kN 0.2x0.6 m ² at depth of 0.4 metres	mm	2	2	
	Deflection at 100 kN 0.2x0.6 m ² at depth of 0.4 metres	mm	9	13	
	Deflection at 100 kN 0.2x0.6 m ² at depth of 0.8 metres	mm	0.7	0.7	
	Stacking at 40 cm coverage with asphalt stable gravel	meter	2.46	2.46	
Test	Flush pressure	Bar	170	170	
	Pressure test: Must be verified and approved by consultant prior to commissioning	Max-bar	0.3	0.3	
	Discharge of microplastics at 170 bar	g/m ² per instance	0.05	0.05	
	Oil and chemical resistant	Period 75 years	ok	ok	
	Lifespan	Years	>75	>75	