

DATA SHEET 2023	UWR SYSTEM Denmark, patent pending	Device	Text	Consumption units
UWR System Waterproof Patent Pending.	UWR no.	No.	7204S-A-Ø	
	Item name	Name	UWR Pipe 302 HL, Black	1
	Materials	Materials	PP >50% Recycled plastic	
	Dry weight	kg	20.3	
	Colour	Colour	Black	
Volume	Gross volume	Litres	301.4	
	Net volume	Litres	>263-268	
Measurements	Height	mm	615	
	Width	mm	700	
	Length	mm	700	
	Surface	m ²	0.49	
Accessibility	Connections	DN mm	110, 160, 250, 315, 425, 500	
	Inspection tube	DN mm	315, 425, 500	
	Coil diameter	mm	500	
	Buoyancy protection	units	UWR Drift Lock	2
	Locking wedges	units	UWR Pin Lock	3
	In stock	Warehouse	v	
Dimensioning – Strength	Gasket 1 in the gasket slot	DN mm	500	1
	Load at 35 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m ²	35	
	Load at 35 cm coverage incl. 7 cm asphalt/tiles (axle load)	Axle load in kN	70	
	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	50	
	Load (axle load) at 40 cm coverage incl. 7 cm of asphalt/tiles. (EU maximum axle load 115 kN)	Axle load in kN	100	
	Load at 50 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m ²	100	
	Load at 50 cm coverage incl. 7 cm of asphalt/tiles.	Axle load in kN	200	
	Deflection at 150 kN/m ² at depth of 0.4 metres	mm	2	
	Deflection at 65 kN 0.2x0.6 m ² at depth of 0.4 metres	mm	4	
	Deflection at 100 kN 0.2x0.6 m ² at depth of 0.4 metres	mm	7	
	Deflection at 100 kN 0.2x0.6 m ² at depth of 0.8 metres	mm	0.7	
Test	Stacking at 40 cm coverage with asphalt stable gravel	meter	1,845-(2,46)	*
	Flush pressure	Bar	130	
	Pressure test: Must be verified and approved by consultant prior to commissioning.	Max-bar	0.3	
	Discharge of microplastics at 170 bar	g/m ² per instance	0.05	
	Oil and chemical resistant	Period 75 years	ok	
	Lifespan	Years	>75	

DATA SHEET 2023	UWR SYSTEM Denmark, patent pending	Device	Text	Consumption units
UWR System Waterproof Patent Pending.	UWR no.	No.	7205S-A-Ø	
	Item name	Name	UWR connect 302 HL, Black	1
	Materials	Materials	PP >50% Recycled plastic	
	Dry weight	kg	15.52	
	Colour	Colour	Black	
Volume	Gross volume	Litres	301.4	
	Net volume	Litres	>263-300	
Measurements	Height	mm	615	
	Width	mm	700	
	Length	mm	700	
	Surface	m ²	0.49	
Accessibility	Connections	DN mm	110, 160, 250, 315, 425, 500	
	Inspection tube	DN mm	315, 425	
	Coil diameter	mm	500	
	Buoyancy protection	units	UWR Drift Lock	2
	Locking wedges	units	UWR Pin Lock	3
	Covers accessories		UWR Cover Ø500	4-6
	Covers with holes accessories	units	UWR Cover Ø500 w/holes	4-6
	Connecting accessories	units	UWR Connecting Ø500	1-2
	Connecting accessories	units	UWR Connecting Ø500 Closed	1-2
Connecting accessories	units	UWR Connecting Ø500 w/holes	1-2	
Dimensioning – Strength	Gasket in the Gasket slot	DN	500 mm	6
	Load at 35 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m ²	40	
	Load at 35 cm coverage incl. 7 cm of asphalt/tiles. (8 tonnes axle load)	Axle load in kN	80	
	Load at 40 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m ²	65	
	Load at 40 cm coverage incl. 7 cm of asphalt/tiles. (11.5 tonnes axle load)	Axle load in kN	115	
	Load at 50 cm coverage incl. 7 cm of asphalt/tiles.	Wheel pressure kN/ 0.12 m ²	100	
	Load at 47 cm coverage incl. 7 cm of asphalt/tiles.	Axle load in kN	200	
	Deflection at 150 kN/m ² at depth of 0.4 metres	mm	2	
	Deflection at 65 kN 0.2x0.6 m ² at depth of 0.4 metres	mm	2	
	Deflection at 100 kN 0.2x0.6 m ² at depth of 0.4 metres	mm	13	
	Deflection at 100 kN 0.2x0.6 m ² at depth of 0.8 metres	mm	0.7	
	Stacking at 40 cm coverage with asphalt stable gravel	meter	1,845-(2,46)	
Test	Flush pressure	Bar	130	
	Pressure test: Must be verified and approved by consultant prior to commissioning	Max-bar	0.3	
	Discharge of microplastics at 170 bar	g/m ² per instance	0.05	
	Oil and chemical resistant	Period 75 years	ok	
	Lifespan	Years	>75	