



Independent Water Networks Limited Meter Menu

Domestic Meter Options

Meter Size 15mm

Diehl Altair

Description	Type	Specification	
	Inline	Thread Size	3/4"
		Starting flow rate	0.4 l/h
		Minimum flow rate, Q1	6.25 l/h
		Transition flow rate, Q2	10 l/h
		Nominal flow rate, Q3	2.5 m ³ /h
		Maximum flow rate, Q4	3.125 m ³ /h
		Flow ratio, R (Q3/Q1)	400
		Material	Composite
		WRAS Approved	Yes

<https://www.diehl.com/metering/en/products-solutions/products-services/water-metering/altair-v4-dn1520-fr/>

Description	Type	Specification	
	Concentric	Thread Size	1.5"
		Starting flow rate	0.4 l/h
		Minimum flow rate, Q1	6.25 l/h
		Transition flow rate, Q2	10 l/h
		Nominal flow rate, Q3	2.5 m ³ /h
		Maximum flow rate, Q4	3.125 m ³ /h
		Flow ratio, R (Q3/Q1)	400
		Material	Composite
		WRAS Approved	Yes

<https://www.diehl.com/metering/en/products-solutions/products-services/water-metering/altair-v4-concentric-fr/>

Description	Type	Specification	
Altair V5 Concentric 	Concentric	Thread Size Starting flow rate Minimum flow rate, Q1 Transition flow rate, Q2 Nominal flow rate, Q3 Maximum flow rate, Q4 Flow ratio, R (Q3/Q1) Material WRAS Approved	1.5" 0.4 l/h 6.25 l/h 10 l/h 2.5 m3/h 3.125 m3/h 400 Composite Yes
Meters Must be ordered with the IZAR clip-on module converting it into an Automatic Meter reading (AMR) capability			

<https://www.diehl.com/metering/en/products-solutions/products-services/water-metering/altair-v5-manifold-fr/>

Meter Size 15mm

Sensus 640

Description	Type	Specification	
Sensus 640C DN15 	Inline	Thread Size Starting flow rate Minimum flow rate, Q1 Transition flow rate, Q2 Nominal flow rate, Q3 Maximum flow rate, Q4 Flow ratio, R (Q3/Q1) Material WRAS Approved	3/4" 1 l/h 6.25 l/h 10 l/h 2.5 m ³ /h 3.125 m ³ /h 400 Composite Yes

Description	Type	Specification	
Sensus 640MC DN15 	Concentric	Thread Size Starting flow rate Minimum flow rate, Q1 Transition flow rate, Q2 Nominal flow rate, Q3 Maximum flow rate, Q4 Flow ratio, R (Q3/Q1) Material WRAS Approved	1.5" 1 l/h 6.25 l/h 10 l/h 2.5 m ³ /h 3.125 m ³ /h 400 Composite Yes

<https://www.xylem.com/en-er/products--services/metrology-equipment-for-utilities/meters/640c640mc-water-meter/>

Non-Domestic Meter Options

Meter Size 25mm – 40mm Diehl Altair

<https://www.diehl.com/metering/en/products-solutions/products-services/water-metering/altair-v4-dn253240-fr/>



Description	Type	Specification	
Altair 25mm	Inline	Thread size	1.25"
		Starting flow rate	1 l/h
		Minimum flow rate, Q1	12.6 l/h
		Transition flow rate, Q2	63 l/h
		Nominal flow rate, Q3	6.3 m ³ /h
		Maximum flow rate, Q4	7.875 m ³ /h
		Flow ratio, R (Q3/Q1)	500
		Material	Brass
		WRAS Approved	Yes

Description	Type	Specification	
Altair 40mm	Inline	Thread size	2"
		Starting flow rate	4 l/h
		Minimum flow rate, Q1	32 l/h
		Transition flow rate, Q2	160 l/h
		Nominal flow rate, Q3	16 m ³ /h
		Maximum flow rate, Q4	20 m ³ /h
		Flow ratio, R (Q3/Q1)	500
		Material	Brass
		WRAS Approved	Yes

Meter Size 50mm – 200mm

Diehl Hydrus 2.0 Bulk

<https://www.diehl.com/metering/en/products-services/water-metering/hydrus-20-bulk-fr/>


Description	Type	Specification	
Hydrus 50mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.015 m ³ /h
		Minimum flow rate, Q1	0.031 m ³ /h
		Transition flow rate, Q2	0.05 m ³ /h
		Nominal flow rate, Q3	25 m ³ /h
		Maximum flow rate, Q4	31.25 m ³ /h
		Flow ratio, R (Q3/Q1)	800
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Hydrus 80mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.035 m ³ /h
		Minimum flow rate, Q1	0.0788 m ³ /h
		Transition flow rate, Q2	0.126 m ³ /h
		Nominal flow rate, Q3	63 m ³ /h
		Maximum flow rate, Q4	78.75 m ³ /h
		Flow ratio, R (Q3/Q1)	800
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Hydrus 100mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.045 m ³ /h
		Minimum flow rate, Q1	0.125 m ³ /h
		Transition flow rate, Q2	0.2 m ³ /h
		Nominal flow rate, Q3	100 m ³ /h
		Maximum flow rate, Q4	125 m ³ /h
		Flow ratio, R (Q3/Q1)	800
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Hydrus 125mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.07 m ³ /h
		Minimum flow rate, Q1	0.2 m ³ /h
		Transition flow rate, Q2	0.32 m ³ /h
		Nominal flow rate, Q3	160 m ³ /h
		Maximum flow rate, Q4	200 m ³ /h
		Flow ratio, R (Q3/Q1)	800
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Hydrus 150mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.25 m ³ /h
		Minimum flow rate, Q1	0.3125 m ³ /h
		Transition flow rate, Q2	0.5 m ³ /h
		Nominal flow rate, Q3	250 m ³ /h
		Maximum flow rate, Q4	312.5 m ³ /h
		Flow ratio, R (Q3/Q1)	800
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Hydrus 200mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.4 m ³ /h
		Minimum flow rate, Q1	0.5 m ³ /h
		Transition flow rate, Q2	0.8 m ³ /h
		Nominal flow rate, Q3	400 m ³ /h
		Maximum flow rate, Q4	500 m ³ /h
		Flow ratio, R (Q3/Q1)	800
		Material	Cast iron
		WRAS Approved	Yes

Meter Size 50mm – 300mm

Arad Octave

<https://arad.co.il/product/octave/>


Description	Type	Specification	
Octave 50mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.025 m ³ /h
		Minimum flow rate, Q1	0.08 m ³ /h
		Transition flow rate, Q2	0.125 m ³ /h
		Nominal flow rate, Q3	40 m ³ /h
		Maximum flow rate, Q4	50 m ³ /h
		Flow ratio, R (Q3/Q1)	500
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Octave 80mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.025 m ³ /h
		Minimum flow rate, Q1	0.125 m ³ /h
		Transition flow rate, Q2	0.2 m ³ /h
		Nominal flow rate, Q3	63 m ³ /h
		Maximum flow rate, Q4	80 m ³ /h
		Flow ratio, R (Q3/Q1)	500
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Octave 100mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.025 m ³ /h
		Minimum flow rate, Q1	0.2 m ³ /h
		Transition flow rate, Q2	0.32 m ³ /h
		Nominal flow rate, Q3	100 m ³ /h
		Maximum flow rate, Q4	125 m ³ /h
		Flow ratio, R (Q3/Q1)	500
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Octave 150mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.2 m ³ /h
		Minimum flow rate, Q1	0.5 m ³ /h
		Transition flow rate, Q2	0.8 m ³ /h
		Nominal flow rate, Q3	250 m ³ /h
		Maximum flow rate, Q4	313 m ³ /h
		Flow ratio, R (Q3/Q1)	500
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Octave 200mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.2 m ³ /h
		Minimum flow rate, Q1	0.8 m ³ /h
		Transition flow rate, Q2	1.28 m ³ /h
		Nominal flow rate, Q3	400 m ³ /h
		Maximum flow rate, Q4	500 m ³ /h
		Flow ratio, R (Q3/Q1)	500
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Octave 250mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.5 m ³ /h
		Minimum flow rate, Q1	2.0 m ³ /h
		Transition flow rate, Q2	3.2 m ³ /h
		Nominal flow rate, Q3	1000 m ³ /h
		Maximum flow rate, Q4	1250 m ³ /h
		Flow ratio, R (Q3/Q1)	500
		Material	Cast iron
		WRAS Approved	Yes

Description	Type	Specification	
Octave 300mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.5 m ³ /h
		Minimum flow rate, Q1	2.0 m ³ /h
		Transition flow rate, Q2	3.2 m ³ /h
		Nominal flow rate, Q3	1000 m ³ /h
		Maximum flow rate, Q4	1250 m ³ /h
		Flow ratio, R (Q3/Q1)	500
		Material	Cast iron
		WRAS Approved	Yes