



# Water Meter Menu

INDEPENDENT WATER NETWORKS




## Domestic Meter Options


Meter size: 15mm

Meter type: Diehl Altair

<https://www.diehl.com/metering/en/portfolio/water-metering/water-metering-product/altair-v4-dn15-20/63668/>

DESCRIPTION	TYPE	SPECIFICATION	
 <p>Altair V4 DN15</p>	Inline	Thread Size:	3/4"
		Starting flow rate:	0.5 l/h
		Minimum flow rate, Q1:	6.25 l/h
		Transition flow rate, Q2:	10 l/h
		Nominal flow rate, Q3:	2.5 m <sup>3</sup> /h
		Maximum flow rate, Q4:	3.125 m <sup>3</sup> /h
		Flow ratio, R(Q3/Q1):	400
		Material:	Composite
		WRAS Approved:	Yes


<https://www.diehl.com/metering/en/portfolio/water-metering/water-metering-product/altair-v4-concentric/72560/>


DESCRIPTION	TYPE	SPECIFICATION	
 <p>Altair V4 Concentric</p>	Concentric	Thread Size	1.5"
		Starting flow rate	2 l/h
		Minimum flow rate, Q1	6.25 l/h
		Transition flow rate, Q2	10 l/h
		Nominal flow rate, Q3	2.5 m <sup>3</sup> /h
		Maximum flow rate, Q4	3.125 m <sup>3</sup> /h
		Flow ratio, R(Q3/Q1)	400
		Material	Composite
		WRAS Approved	Yes

**Meter size: 15mm**  
**Meter type: Sensus 640**

Note: Awaiting approval. Date tbc

<https://www.xylem.com/en-uk/brands/sensus/sensus-products/640c640mc-water-meter/>

DESCRIPTION	TYPE	SPECIFICATION	
	Inline	Thread Size:	3/4"
		Starting flow rate:	0.5 l/h
		Minimum flow rate, Q1:	6.25 l/h
		Transition flow rate, Q2:	10 l/h
		Nominal flow rate, Q3:	2.5 m3/h
		Maximum flow rate, Q4:	3.125 m3/h
		Flow ratio, R (Q3/Q1):	400
		Material:	Composite
		WRAS Approved:	Yes

DESCRIPTION	TYPE	SPECIFICATION	
	Concentric	Thread Size	1.5"
		Starting flow rate	2 l/h
		Minimum flow rate, Q1	6.25 l/h
		Transition flow rate, Q2	10 l/h
		Nominal flow rate, Q3	2.5 m3/h
		Maximum flow rate, Q4	3.125 m3/h
		Flow ratio, R (Q3/Q1)	400
		Material	Composite
		WRAS Approved	Yes

## Non Domestic Meter Options

Meter size: 25mm - 40mm

Meter type: Diehl Altair

<https://www.diehl.com/metering/en/portfolio/water-metering/water-metering-product/altair-v4-dn25-32-40/70710/>



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 <sup>3</sup> /h
		Maximum flow rate, Q4	7.875 m <sup>3</sup> /h
		Flow ratio, R (Q3/Q1)	500
		Material	Brass
		WRAS Approved	Yes

DESCRIPTION	TYPE	SPECIFICATION	
Altair 32mm	Inline	Thread size	1.5"
		Starting flow rate	1 l/h
		Minimum flow rate, Q1	25 l/h
		Transition flow rate, Q2	63 l/h
		Nominal flow rate, Q3	10 m <sup>3</sup> /h
		Maximum flow rate, Q4	12.5 m <sup>3</sup> /h
		Flow ratio, R (Q3/Q1)	400
		Material	Brass
		WRAS Approved	Yes

DESCRIPTION	TYPE	SPECIFICATION	
Altair 40mm	Inline	Thread size	2"
		Starting flow rate	4 l/h
		Minimum flow rate, Q1	31.75 l/h
		Transition flow rate, Q2	160 l/h
		Nominal flow rate, Q3	16 m3/h
		Maximum flow rate, Q4	20 m3/h
		Flow ratio, R (Q3/Q1)	630
		Material	Brass
		WRAS Approved	Yes

**Meter size: 50mm – 200mm**  
**Meter type: 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 m3/h
		Minimum flow rate, Q1	0.031 m3/h
		Transition flow rate, Q2	0.05 m3/h
		Nominal flow rate, Q3	25 m3/h
		Maximum flow rate, Q4	31.25 m3/h
		Flow ratio, R (Q3/Q1)	800
		Material	Cast iron
		WRAS Approved	Yes

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DESCRIPTION	TYPE	SPECIFICATION	
Hydrus 80mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.035 m <sup>3</sup> /h
		Minimum flow rate, Q1	0.0788 m <sup>3</sup> /h
		Transition flow rate, Q2	0.126 m <sup>3</sup> /h
		Nominal flow rate, Q3	63 m <sup>3</sup> /h
		Maximum flow rate, Q4	78.75 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	0.125 m <sup>3</sup> /h
		Transition flow rate, Q2	0.2 m <sup>3</sup> /h
		Nominal flow rate, Q3	100 m <sup>3</sup> /h
		Maximum flow rate, Q4	125 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	0.2 m <sup>3</sup> /h
		Transition flow rate, Q2	0.32 m <sup>3</sup> /h
		Nominal flow rate, Q3	160 m <sup>3</sup> /h
		Maximum flow rate, Q4	200 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	0.3125 m <sup>3</sup> /h
		Transition flow rate, Q2	0.5 m <sup>3</sup> /h
		Nominal flow rate, Q3	250 m <sup>3</sup> /h
		Maximum flow rate, Q4	312.5 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	0.5 m <sup>3</sup> /h
		Transition flow rate, Q2	0.8 m <sup>3</sup> /h
		Nominal flow rate, Q3	400 m <sup>3</sup> /h
		Maximum flow rate, Q4	500 m <sup>3</sup> /h
		Flow ratio, R (Q3/Q1)	800
		Material	Cast iron
		WRAS Approved	Yes



**Meter size: 50mm – 300mm**  
**Meter type: Arad Octave**

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



DESCRIPTION	TYPE	SPECIFICATION	
Octave 50mm	Ultrasonic	Connection	Flanged
		Starting flow rate	0.025 m <sup>3</sup> /h
		Minimum flow rate, Q1	0.08 m <sup>3</sup> /h
		Transition flow rate, Q2	0.125 m <sup>3</sup> /h
		Nominal flow rate, Q3	40 m <sup>3</sup> /h
		Maximum flow rate, Q4	50 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	0.125 m <sup>3</sup> /h
		Transition flow rate, Q2	0.2 m <sup>3</sup> /h
		Nominal flow rate, Q3	63 m <sup>3</sup> /h
		Maximum flow rate, Q4	80 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	0.2 m <sup>3</sup> /h
		Transition flow rate, Q2	0.32 m <sup>3</sup> /h
		Nominal flow rate, Q3	100 m <sup>3</sup> /h
		Maximum flow rate, Q4	125 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	0.5 m <sup>3</sup> /h
		Transition flow rate, Q2	0.8 m <sup>3</sup> /h
		Nominal flow rate, Q3	250 m <sup>3</sup> /h
		Maximum flow rate, Q4	313 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	0.8 m <sup>3</sup> /h
		Transition flow rate, Q2	1.28 m <sup>3</sup> /h
		Nominal flow rate, Q3	400 m <sup>3</sup> /h
		Maximum flow rate, Q4	500 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	2.0 m <sup>3</sup> /h
		Transition flow rate, Q2	3.2 m <sup>3</sup> /h
		Nominal flow rate, Q3	1000 m <sup>3</sup> /h
		Maximum flow rate, Q4	1250 m <sup>3</sup> /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 <sup>3</sup> /h
		Minimum flow rate, Q1	2.0 m <sup>3</sup> /h
		Transition flow rate, Q2	3.2 m <sup>3</sup> /h
		Nominal flow rate, Q3	1000 m <sup>3</sup> /h
		Maximum flow rate, Q4	1250 m <sup>3</sup> /h
		Flow ratio, R (Q3/Q1)	500
		Material	Cast iron
		WRAS Approved	Yes

