Independent Water Networks Limited Meter Menu

Domestic Meter Options

Meter Size 15mm Diehl Altair

Description	Type	Specification	
Altair V4 DN15	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
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-v4-dn1520-fr/

Description	Type	Specification	
Altair V4 Concentric	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 m3/h
		Maximum flow rate, Q4	3.125 m3/h
		Flow ratio, R (Q3/Q1)	400
		Material	Composite
		WRAS Approved	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-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
Meters Must be ordered with the IZAR clip-on module converting it into an Automatic Meter reading (AMR) capability			

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

Meters Must be ordered with the IZAR clip-on module converting it into an Automatic Meter reading (AMR) capability

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