Northumbrian Water Limited Meter Menu

Manufacturer	Model	Size	No. of Billable Dials	Combi Meter	Data Logging Capable	Electro/Rotary Piston	Q1	Q2	Q3	Q4
Elster	V100 (PSM)	15mm	5	N	Y	Rotary Piston	15.625 l/h	25 l/h	2.5 m³/h	3.125 m³/h
Elster	V100 (PSM)	20mm	5	N	Y	Rotary Piston	25 l/h	40 l/h	4 m³/h	5 m³/h
Elster	V100 (PSM)	25mm	5	N	Y	Rotary Piston	39.375 l/h	63 l/h	6.3 m³/h	7.875 m³/h
Elster	V100 (PSM)	30mm	5	N	Y	Rotary Piston	62.5 l/h	100 l/h	10 m³/h	12.5 m³/h
Elster	V100 (PSM)	40mm	5	N	Y	Rotary Piston	100 l/h	160 l/h	16 m³/h	20 m³/h
Elster	V210 Hybrid	15mm	6	N	N	Rotary Piston	15.25 l/h	25 l/h	2.5 m³/h	3.125 m³/h
Elster	V210	15mm	6	N	N	Rotary Piston	15.25 l/h	25 l/h	2.5 m³/h	3.125 m³/h
Elster	V210	20mm	6	N	N	Rotary Piston	25 l/h	40 l/h	4 m³/h	5 m³/h
Elster	V210	25mm	6	N	N	Rotary Piston	39.375 l/h	63 l/h	6.3 m³/h	7.875 m³/h
Elster	V200 Hybrid	15mm	6	N	N	Rotary Piston	15.625 l/h	25 l/h	2.5 m³/h	3.125 m³/h
Elster	V200	20mm	6	N	N	Rotary Piston	25 l/h	40 l/h	4 m³/h	5 m³/h
Elster	V200	25mm	6	N	N	Rotary Piston	39.375 l/h	63 l/h	6.3 m/h	7.875 m³/h
Elster	V200	30mm	6	N	N	Rotary Piston	62.5 l/h	100 l/h	10 m/h	12.5 m/h
Elster	V200	40mm	6	N	N	Rotary Piston	100 l/h	160 l/h	16 m/h	20 m/h
Elster	C4000	50mm	6	Y	Y	Rotary Piston	0.016 m³/h	0.025 m³/h	25 m³/h	31.25 m³/h
Elster	C4000	65mm	6	Y	Y	Rotary Piston	0.016 m³/h	0.025 m³/h	25 m³/h	31.25 m³/h
Elster	C4000	80mm	6	Y	Y	Rotary Piston	0.016 m³/h	0.025 m³/h	63 m³/h	78.75 m³/h
Elster	C4000	100mm	6	Y	Y	Rotary Piston	0.016 m³/h	0.025 m³/h	100 m³/h	125 m³/h
Elster	S110 Hot	15mm	5	N	Y	Single Jet	60 l/h	150 l/h	1500 l/h	3 m³/h
Elster	S110 Hot	20mm	5	N	Y	Single Jet	100 l/h	160 l/h	2500 l/h	5 m³/h
wElster	M190	15mm	5	N	Y	Multi Jet	25 l/h	120 l/h	1.5 m/h	3 m/h
Elster	M190	20mm	5	N	Y	Multi Jet	35 l/h	200 l/h	2.5 m/h	5 m/h
Elster	V210 (MSM)	15mm	5	N	Y	Rotary Piston	15.625 l/h	25 l/h	2.5 m³/h	3.125 m³/h
Elster	V210 (MSM)	20mm	5	N	Y	Rotary Piston	25 l/h	40 l/h	4 m³/h	5 m³/h
Elster	V210 (MSM)	25mm	5	N	Y	Rotary Piston	39.375 l/h	63 l/h	6.3 m/h	7.875 m³/h
Elster	Q4000	50mm	6	N	Y	Electromagnetic	0.1 m³/h	0.16 m³/h	40 m³/h	50 m³/h
Elster	Q4000	65mm	6	N	Y	Electromagnetic	0.16 m³/h	0.26m³/h	63 m³/h	79 m³/h
Elster	Q4000	80mm	6	N	Y	Electromagnetic	0.25 m³/h	0.4 m³/h	100 m³/h	125 m³/h

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Manufacturer	Model	Size	No. of Billable Dials	Combi Meter	Data Logging Capable	Electro/Rotary Piston	Q1	Q2	Q3	Q4
Elster	Q4000	100mm	6	N	Y	Electromagnetic	0.4 m³/h	0.64 m³/h	160 m³/h	200 m³/h
Elster	Q4000	125mm	7	N	Y	Electromagnetic	0.63 m³/h	1 m³/h	250 m³/h	313 m³/h
Elster	Q4000	150mm	7	N	Y	Electromagnetic	1 m³/h	1.6 m³/h	400 m³/h	500 m³/h
Elster	Q4000	200mm	7	N	Y	Electromagnetic	1.6 m³/h	2.6 m³/h	630 m³/h	788 m³/h
Elster	H4000	40mm	6	N	Y	Woltmann Turbine	0.35 m³/h	1 m³/h	50 m³/h	90 m³/h
Elster	H4000	50mm	6	N	Y	Woltmann Turbine	0.35 m³/h	1 m³/h	50 m³/h	90 m³/h
Elster	H4000	65mm	6	N	Y	Woltmann Turbine	0.4 m³/h	1.5 m³/h	65 m³/h	120 m³/h
Elster	H4000	80mm	6	N	Y	Woltmann Turbine	0.5 m³/h	2 m³/h	120 m³/h	200 m³/h
Elster	H4000	100mm	6	N	Y	Woltmann Turbine	0.6 m³/h	2 m³/h	180 m³/h	250 m³/h
Elster	H4000	125mm	6	N	Y	Woltmann Turbine	0.6 m³/h	2 m³/h	180 m³/h	250 m³/h
Elster	H4000	150mm	7	N	Y	Woltmann Turbine	1.8 m³/h	4 m³/h	450 m³/h	600 m³/h
Elster	H4000	200mm	7	N	Y	Woltmann Turbine	4 m³/h	6 m³/h	700 m³/h	1000 m³/h
Elster	H4000	250mm	7	N	Y	Woltmann Turbine	6 m³/h	11 m³/h	1000 m³/h	1600 m³/h
Elster	H4000	300mm	7	N	Y	Woltmann Turbine	12 m³/h	15 m³/h	1500 m³/h	2000 m³/h

Q Definition	Quotient of the actual volume of water passing through the water meter and the time taken for this volume to pass through the water meter.
Q1 Minimum Flow Rate	The lowest flow rate at which the water meter is required to operate within the maximum permissible error.
Q2 Transitional Flow Rate	Flow rate which occurs between the permanent flow rate Q3, and the minimum flow rate Q1, that divides the flow rate range into two zones, the upper flow rate zone and the lower flow rate zone, each characterised by its own maximum permissible error.
Q3 Permanent Flow Rate	The highest flow rate within the rated operating conditions, at which the water meter is required to operate in a satisfactory manner within the maximum permissible error.
Q4 - Overload Flow Rate	The highest flow rate, at which a water meter is required to operate, for a short period of time, within its maximum permissible error, whilst maintaining its metrological performance when it is subsequently operated within is rated operating conditions.