



H4000
Elster Honeywell
Cast Iron (Epoxy Coated)
Woltmann, Turbine
Bulk Cold Water Meter
Flanged PN16



The Elster H4000 is a Woltmann (turbine) water meter designed for measuring bulk flows of cold potable water in commercial or industrial applications and for revenue billing.

Meets with all relevant standards, substantially exceeding specifications for forward flow installations in horizontal, vertical and inclined pipelines.

Optional retro-fit pulse & M-Bus modules are available for connection to data-loggers, BMS systems and remote displays.

Approvals, Features & Benefits

- MID 2004/22/EC
- EN14154, ISO4064
- WRAS approved product
- Forward and reverse flow metering
- Longer wear life for optimum accuracy
- Optional pulse & M-Bus output facility

Pressure & Temperature

Maximum pressure:-
16 bar

Maximum temperature:-
50°C

Size	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	
A (ISO Long)	300*	300	300	350	350	-	500	-	-	-	
A (ISO Short)		200*	200*	200*	250*	250	300*	350*	450	500	
A (Old Kent)	311	311	-	413	483	-	-	520	-	-	
B	78	78	86	94	106	118	135	165	198	225	
C	151	166	186	201	228	251	286	341	409	461	
D	148	148	148	159	159	159	206	228	246	246	
Weight Kg (ISO Short)	-	12.2	13	14.1	19.4	20.5	37.5	47.5	82	104	
Weight Kg (ISO Long)	11.8	13.1	14.4	16.6	21	-	43.5	-	-	-	
MID Flow Range**	Q₃/Q₁	R125	R125	R63	R125	R125	R125	R200	R160	R160	R125
Min Flow Rate	Q₁ ± 5% l/h	500	500	1000	1280	1280	1280	2000	3940	6250	12800
Transitional Flow Rate	Q₂ ± 2% l/h	810	810	1600	2050	2050	2050	3200	6300	10000	20480
Max Permanent Flow	Q₃ ± 2% m ³ /h	63	63	63	160	160	160	400	630	1000	1600
Max Overload Flow	Q₄ ± 2% m ³ /h	79	79	79	200	200	200	500	787.5	1250	2000
Starting Flow	Approx. l/h	150	160	170	220	250	250	900	1200	1800	1800
Maximum Registration	Millions m ³	1	1	1	1	1	1	10	10	10	10
Pressure Headloss	at Q₃ Bar	0.39	0.24	0.19	0.18	0.18	0.24	0.15	0.12	0.15	0.37

Optional Standard Pulse / M-Bus / Radio Communication Modules. Can be retro-fitted to meters already installed. Compatible with most BMS, Dataloggers and AMR systems.***

Type	Part No.	Output (DN40-DN125)		Output (DN150-DN300)		Cable Length
		Primary Ch.	Secondary Ch.	Primary Ch.	Secondary Ch.	
Pulse	PR7-10:10 (2926M1222)*	10 litres/pulse	10 litres/pulse	100 litres/pulse	100 litres/pulse	5 M
Pulse	PR7-1:10 (2925M1224)	1 litre/pulse	10 litres/pulse	10 litres/pulse	100 litres/pulse	5 M
Pulse	PR7-1:100 (2925M1263)	1 litre/pulse	100 litres/pulse	10 litres/pulse	1 m ³ /pulse	5 M
Pulse	PR7-1:1000 (2925M1264)	1 litre/pulse	1 m ³ /pulse	10 litres/pulse	100 m ³ /pulse	5 M
M-Bus/Pulse	FALCON	Wired M-Bus EN13757 Standard & Pulse of 1 pulse/1000 litres****				3 M
Wireless M-Bus	TPR7	MERLIN wMbus Protocol 868Mhz				N/A

* Standard option ** Forward flow *** Check compatibility with your equipment supplier.

**** Default value for DN40-DN125, this can be configured via M-Bus (Range 1-10,000 litres/pulse)