

elster H4000
helix

H 4000 Woltmann Meter

Powerful in any position

Also available in WS type length



- Woltmann Meter WP for cold water
- Nominal size DN 40 to 500
- Universal installation (BH/BV)
- Forward and reverse flow measuring
- Separately calibratable measuring insert
- Waterproof register IP 68
- Serially communication interface

Approval				
Cold water up to 30 °C				
B 96 31.53 DN 40	B 95 31.51 DN 50	B 95 31.52 DN 65	B 94 31.49 DN 80	B 94 31.48 DN 100
B 95 31.50 DN 125	B 97 31.54 DN 150	B 97 31.55 DN 200	B 98 31.56 DN 250	B 98 31.57 DN 300

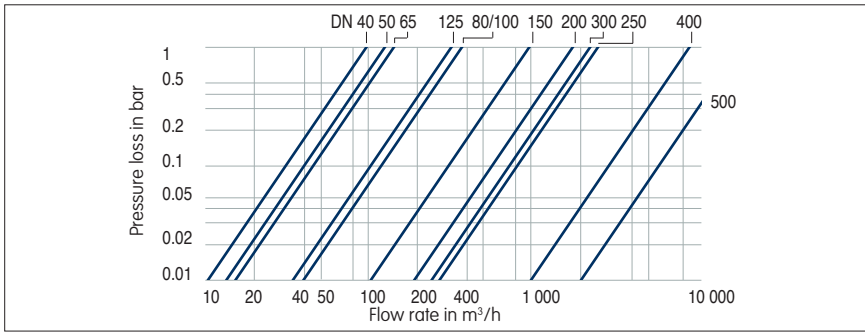
Approval
Cold water up to 30 °C
6.132 97.17 DN 400 up to 500

Woltmann Meter		H 4000							
Nominal size / Connection flange	DN	mm	40	50	65	80	100	125	
Meter size / Permanent flow	Q _n	m ³ /h	15	15	25	40	60	100	
Performance characteristics									
Overload flow rate	Q _{max}	m ³ /h	90		120	200	300	350	
Transitional flow rate	Q _t	m ³ /h	1		1.5	2			
Minimum flow rate	Q _{min}	m ³ /h	0.35		0.4	0.5	0.6		
Continuous load		m ³ /h	50		65	120	180		
Temperature	T _{max}	°C	50						
Pressure rating	PN	bar	16			10/16**		16	
Flow capacity	at 0.1 bar pressure loss	m ³ /h	> 31	> 42.5		> 121		> 104	

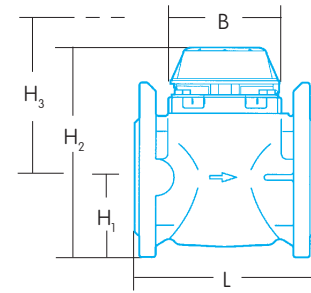
Woltmann Meter		H 4000							
Nominal size / Connection flange			150	200	250	300	400*	500*	
Meter size / Permanent flow	Q _n	m ³ /h	150	250	400	600	1 000	1 500	
Performance characteristics									
Overload flow rate	Q _{max}	m ³ /h	600	1 200	1 600	2 000	3 000	4 500	
Transitional flow rate	Q _t	m ³ /h	4	6	11	15	50	80	
Minimum flow rate	Q _{min}	m ³ /h	1,8	4	6	12	30	45	
Continuous load		m ³ /h	450	700	1 000	1 500		2 300	
Temperature	T _{max}	°C	50						
Pressure rating	PN	bar	16	10/16					
Flow capacity	at 0.1 bar pressure loss	m ³ /h	> 320	> 550	> 840	> 830	> 3 000	> 6 000	

* DN 400/500: Delivery standard factory-tested; calibration on request

** DN 80/PN 10: 4-hole flange, old standard



WP 4 000



Woltmann Meter H 4000								
Nominal size / Connection flange	DN	mm	40	50	65	80	100	125
Meter size / Permanent flow	Q _n	m ³ /h	15		25	40	60	100
Technical Data								
L Length	DIN 19625 (WP/WS)	mm	300	200/270	200/300	225/300	250/360	250/-
B Width		mm	166		186	200	228	250
H ₁ Centerline height		mm	78		86	94	106	118
H ₂ Overall height		mm	227		235	254	266	278
H ₃ Height	measuring insert	mm	274		274	285		
Weight	WP/WS-installation length	kg	12	12.5/13	13/14.5	15.5/16.5	19.5/21	20.5/-

Woltmann Meter H 4000								
Nominal size / Connection flange			150	200	250	300	400	500
Meter size / Permanent flow	Q _n	m ³ /h	150	250	400	600	1 000	1 500
Technical Data								
L Length	DIN 19625 (WP/WS)	mm	300/500	350/-	450/-	500/-	500/-	500/-
B Width		mm	286	341	410	460	580	715
H ₁ Centerline height		mm	135	165	198	225	290	358
H ₂ Overall height		mm	341	394	444	470	630	680
H ₃ Height	measuring insert	mm	470		635	660	610	660
Weight	WP/WS-installation length	kg	37.5/43.5	47.5/-	82/-	104/-	190/-	300/-

** others on request

Communication modules

Falcon pulse module	PR7
Falcon radio module	TPR7
Falcon MBus module	PR7M

(techn. data see relevant data sheet)



Possible pulse outputs with Falcon pulse module (PR7)

DN 50 - 125	litres/pulse	Output 1/Output 2	1/10, 1/100, 1/1000, 10/10, 25/50
DN 150 - 300	litres/pulse	Output 1/Output 2	10/100, 10/1000, 10/10000, 100/100, 250/500
DN 400 + 500	litres/pulse	Output 1/Output 2	100/1000, 100/10000, 1000/1000, 2500/5000



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