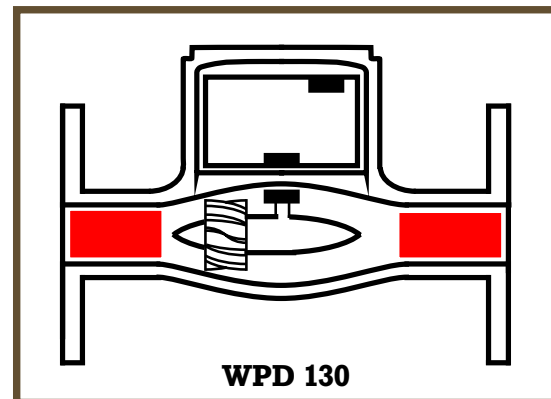


WOLTMAN WPD/WS-XKA

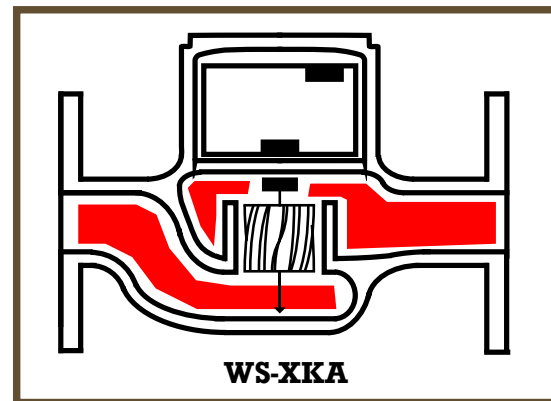
WOLTMAN hot water meter For high-flowrates

Woltman meters are designed to measure the volume of water in main pipes. They are available in two versions:

- Woltman WPD hot-water meter, where the centre line of the blade is parallel to the pipe. It offers low resistance to the flow of water, thereby limiting head loss considerably. It is fitted as standard with a turning magnetic transmission register that may be fitted with different types of pulse transmitters, including after installation (see our sales instructions F 844).

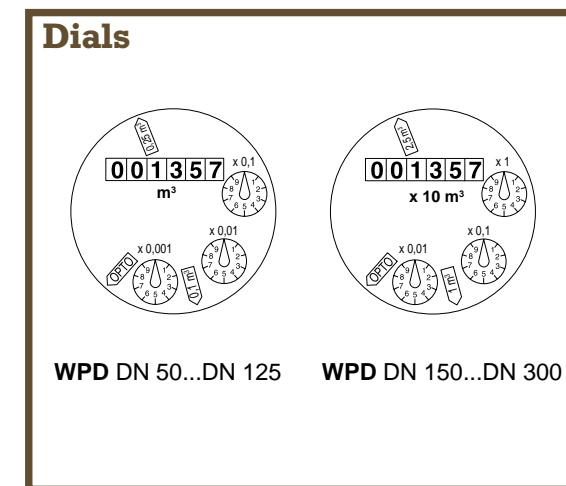
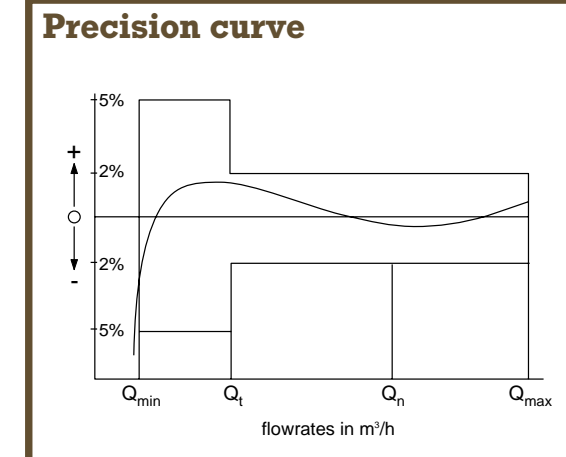
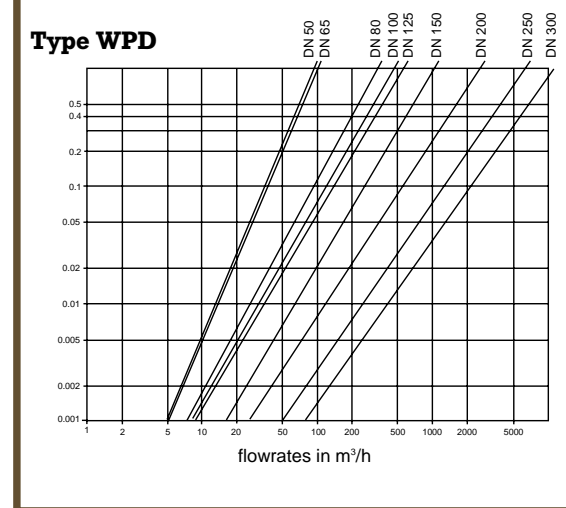
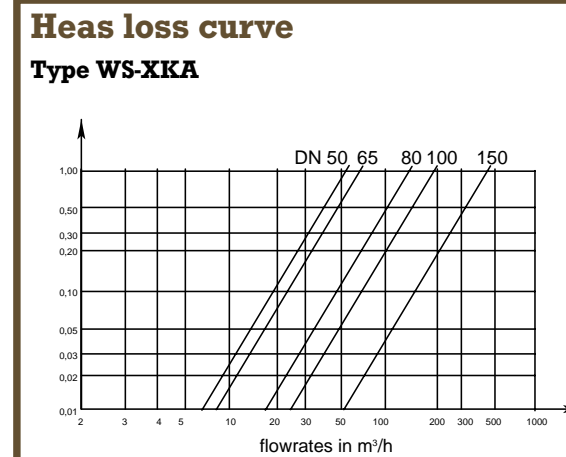


- Woltman WS-XKA hot-water meter, where the centre line of the blade is perpendicular to the pipe. This meter is particularly sensitive to low flow rates and is fitted as standard with a dry-contact pulse transmitter.



The metering part can be replaced at all times without taking the meter off the pipe.

The meters can also be connected to different thermal energy calculators for heating applications.



Pulse emitters

	WPD	
	DN 50 to 125	DN 150 to 300
Reed RD 02	0,25 and 0,1 m ³	2,5 to 1 m ³
Opto OD 02	0,001 m ³	0,01 m ³
Opto OD 04	0,01 m ³	0,1 m ³

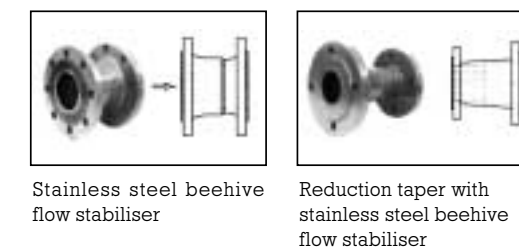
	WS-XKA	
	DN 50 to 100	DN 150
Reed	100 liters	1000 liters

Other pulse weights: please call us

Straight lengths recommended

Before	3 DN
After	No sharp reduction in the diameter of the pipe after the meter

Flow stabilisers



(*) Heating meters shall be fitted in accordance with the DTU document of 1977. Please contact your local branch for more information.

Non contractual document. Please have the features specified before ordering.

Distributed by :

If you have any question, please do not hesitate to contact us :



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Woltman WPD hot-water/thermal energy

Main technical characteristics

Designation	WPD									
Caliber DN	mm	50	65	80	100	125	150	200	250	300

Measuring range (m³/h)

Max. constructor's flowrate		30	60	90	140	200	300	500	1000	1200
Max. approved flowrate	En. th.	25	30	30						
Nominal flowrate		15	25	40	60	100	150	250	400	600
Transition flowrate		1,8	2	3,2	4,8	8	12	20	45	50
Min. approved flowrate	En. th.	0,6	1	1,6						
Min. constructor's flowrate		0,6	1	1,4	2	3,5	4,5	8	25	30
Start flowrate		0,25	0,3	0,35	0,6	1,1	1,7	2	10	15
Class		B for H/V fitting								

Approved for thermal energy

Calec MCL heat calculator	93.00.582.005.1	-
Calec MB heat calculator and MCP	93.00.582.006.1	-
Sextan "S" heat calculator	92.00.582.003.1	-
Pallas heat calculator	97.00.582.008.1	-

Head loss

Kvs	90	100	330	450	550	1000	2500	6000	11000	
Δp	bar	= Q ² / Kvs ^{with} Q in m ³ /h								





Temperatures and pressures

T. min. et max.	from 0°C to +130°C									
Nominal pressure	bar	16								

Dimensions, weight and connections

Lenght	mm	200	200	200/225	250	250	300	350	450	500
Width	mm	165	185	200	220	250	285	340	405	460
Height	mm	193	205	245	255	278	312	368	425	482
Weight	kg	7	10	13,6/14	18	20,5	35,5	50,5	72,3	99,3
Connections		face flat flange PN 16								

Assembly

Pipe	Horizontal  Vertical  Sloping 
Top of the register	Towards the top or sides 

Special versions	Other PN, SCU version without copper alloy: please call us
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Woltman WS-XKA hot-water/thermal energy

Main technical characteristics

Désignation	WS/XKA					
Caliber DN	mm	50	65	80	100	150

Measuring range (m³/h)

Max. constructor's flowrate	50	50	110	140	350	
Max. appr. flowrate	En. th.	15	25	30		
Nominal flowrate		15	25	40	60	150
Transition flowrate		1,5	2,5	2,5	4	12
Min. appr. flowrate	En. th.	0,45	0,75	1,2		
Min. constructor's flowrate		0,2	0,2	0,3	0,4	2
Start flowrate		0,06	0,06	0,09	0,09	1
Class		C horizontal fitting				

Approved for thermal energy

Calec MCL heat calculator	93.00.582.005.1
Calec MB heat calculator and MCP	93.00.582.006.1
Sextan "S" heat calculator	92.00.582.003.1
Pallas heat calculator	97.00.582.008.1

Head loss

Kvs	60	66	130	220	500
Δp	bar	= Q ² / Kvs ² with Q in m ³ /h			



Temperatures and pressures

T. min. et max.	from 0°C to +130°C				
Nominal pressure	bar	16			

Dimensions, weight and connections

Lenght	mm	270	300	300	360	500
Width	mm	165	185	200	220	285
Height	mm	279	292	332	353	595
Weight	kg	14,2	18	24	28	79,5
Connections		face flat flange PN 16				

Assembly

Pipe	Horizontal 
Top of the register	Towards the top 

Special versions	Other PN : please call us
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