

WESAN WS G

WOLTMAN METER



APPLICATION

For measuring of fluctuating flows in the utility sector.

FEATURES

- Calibratable and exchangeable measuring insert
- For horizontal installation
- Sealed measuring insert for better accuracy
- Hydraulic bearing relief
- Encapsulated counter of glass/copper IP 68
- Complete head unit with counter and sensors can be rotated by 350° for easier reading
- System compatibility, WESAN WS G can be extended with IZAR RADIO (clip-on radio module) or IZAR PULSE (clip-on pulse module)
- Strong protection against magnetic manipulation

GENERAL

WESAN WS G			
Medium temperature range	°C	1 ... 30	
Temperature safety	°C	1 ... 50	
Ambient operating temperature	°C	1 ... 55	
Ambient storage temperature	°C	1 ... 55	
Nominal pressure	PN	bar	16 ¹
Protection class	IP 68		

¹ see also special versions

TECHNICAL DATA

Nominal diameter	DN	mm	50	65	80	100	150
Permanent flow rate	Q ₃	m ³ /h	25	40	63	100	250
Minimum flow rate	Q ₁	m ³ /h	0.63	1	1.58	2.5	6.25
Transitional flow rate	Q ₂	m ³ /h	1	1.6	2.52	4	10
Overload flow rate	Q ₄	m ³ /h	31.25	50	78.75	125	312.5
Starting flow rate		l/h	60	60	90	90	150
Flow rate at 0.1 bar pressure loss		m ³ /h	21	22	55	60	143
Pressure loss at Q ₃		bar	0.14	0.34	0.13	0.28	0.31

APPROVAL

Nominal diameter	DN	mm	50	65	80	100	150
MID (A 0445/3505/2011)			•	•	•	•	•
Dynamic range (Q ₃ /Q ₁)	R		40•H	40•H	40•H	40•H	40•H
Potable water			AoC DEU	AoC DEU	AoC DEU	AoC DEU	AoC DEU

REACH

Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:

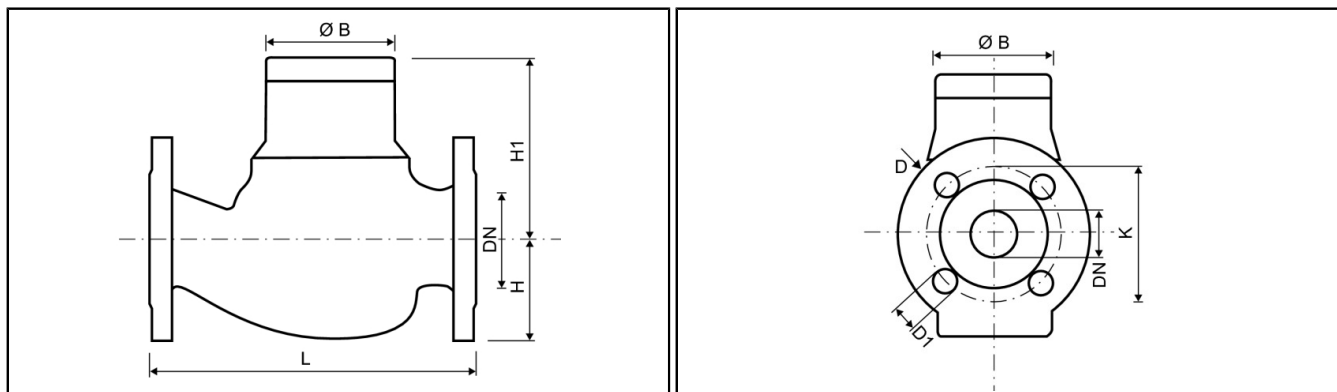
This product series contains components with the following substances in a concentration of more than 0.1% weight by weight (w/w):

- Lead (CAS no.: 7439-92-1)

DISPLAY RANGE

Nominal diameter	DN	mm	50	65	80	100	150
0.5 l ... 999,999 m ³			•	•	•	•	
5.0 l ... 9,999,999 m ³							•

DIMENSIONS

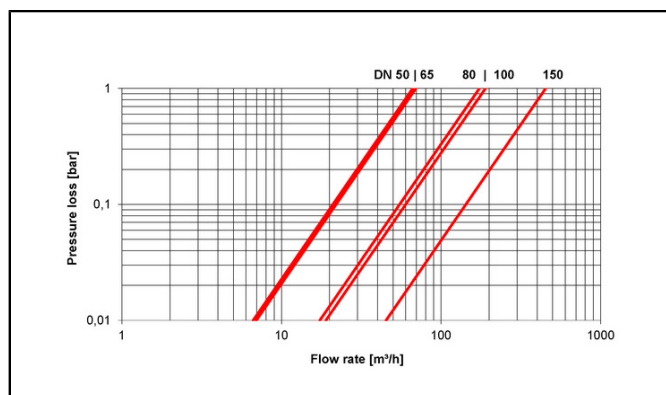


Nominal diameter	DN	mm	50	65	80	100	150
Overall length (DIN 19625)	L	mm	270	300	300	360	430 / 500
Overall length (DIN ISO 4064)	L	mm	300	300	350	350	500
Flange diameter	D	mm	165	185	200	220	285
Hole circle diameter	K	mm	125	145	160	180	240
Number of screwholes		pcs	4	4	4 / 8	8	8
Screwhole diameter	D1	mm	18	18	18	18	23
Height	H	mm	85	97	102	113	141
Height	H1	mm	135	135	180	190	351
Height to remove measuring insert		mm	240	240	330	340	620
Diameter	Ø B	mm	110	110	110	110	110
Meter width		mm	173	173	239	239	310
Weight		kg	14.5	17.7	24	28	79.5

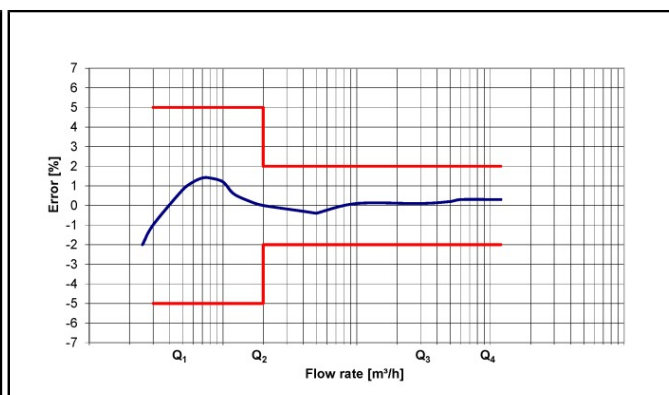
SPECIAL VERSIONS

- Versions with different nominal pressure on request
- Flange for ANSI and BS on request
- Temperature up to 90 °C on request
- Special pulse values on request
- Special overall lengths on request

PRESURE LOSS GRAPH / TYPICAL ERROR GRAPH



Pressure loss graph



Typical error graph

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

For questions, please contact: metering-germany-info@diehl.com

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