

# WESAN WPV A G

## WOLTMAN METER

**DIEHL**  
Metering



### APPLICATION

Meter for measuring heavily fluctuating flow rates.

### FEATURES

- ▶ Ideal design of housing and housing cover prevents sedimentation, stagnant water and air pockets
- ▶ No measuring errors in the switch-over range
- ▶ Encapsulated counter of glass/copper IP 68
- ▶ Good long-term measuring accuracy
- ▶ Complete head unit with counter and sensors can be rotated by 350° for easier reading
- ▶ System compatibility, WESAN WPV A G can be extended with IZAR RADIO (clip on radio module), IZAR PULSE (clip on pulse module) or IZAR M-BUS I (clip on M-Bus module)
- ▶ In order to secure a safe switch-over the WESAN WPV A G needs a minimum ingoing pressure of 0.6 bar

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### GENERAL

WESAN WPV A 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 <sup>1</sup>
Display range	0.5 l ... 999,999 m <sup>3</sup>		
Protection class	IP 68		
Available bypass meter	ALTAIR V4		

<sup>1</sup> versions with different nominal pressure on request (see also special versions)

### TECHNICAL DATA

Nominal diameter	DN	mm	150
Permanent flow rate	Q <sub>3</sub>	m <sup>3</sup> /h	160
Minimum flow rate	Q <sub>1</sub>	l/h	40
Transitional flow rate	Q <sub>2</sub>	l/h	64
Overload flow rate	Q <sub>4</sub>	m <sup>3</sup> /h	200
Starting flow rate		l/h	5
Permanent flow rate bypass meter	Q <sub>3</sub>	m <sup>3</sup> /h	16
Switch-over flow rate rising		l/h	4350
Switch-over flow rate falling		l/h	7800

### APPROVAL

Nominal diameter	DN	mm	150
MID (DE-17-MIO01-PTB003)			•
Dynamic range bypass meter			
ALTAIR V3 (Q <sub>3</sub> /Q <sub>1</sub> )	R		4000 H
Potable water			KTW / W270

### 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)

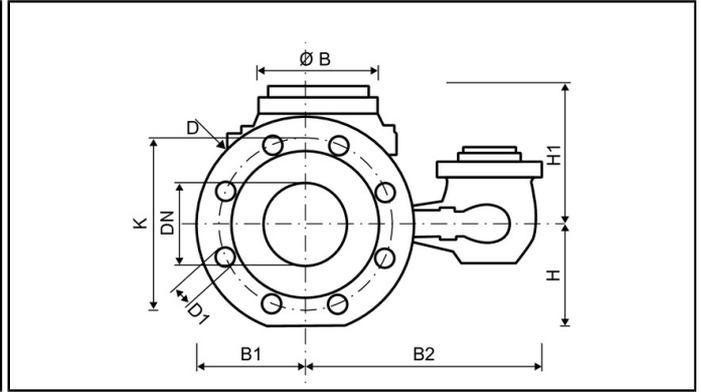
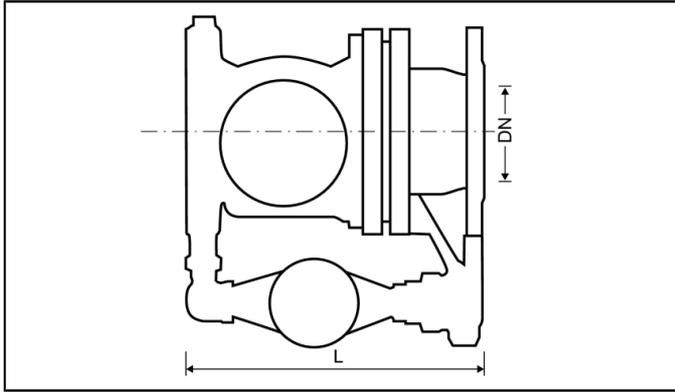
### SPECIAL VERSIONS

- Versions with different nominal pressure on request
- Special flange holes on request

# WESAN WPV A G

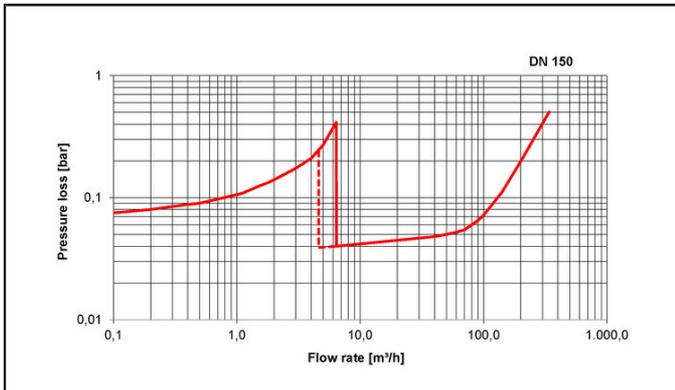
WOLTMAN METER

## DIMENSIONS

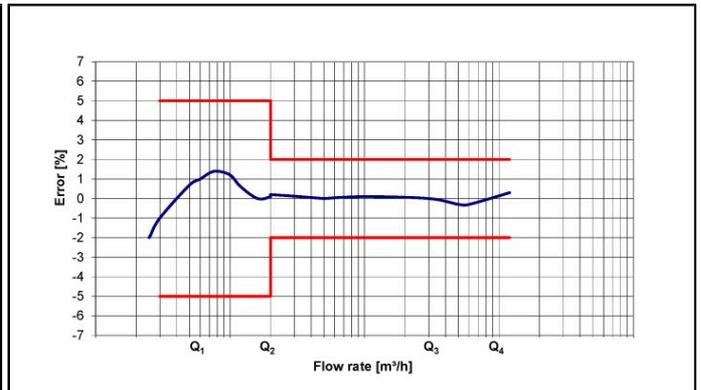


Nominal diameter	DN	mm	150
Overall length (DIN 19625)	L	mm	500 ± 15
Flange diameter	D	mm	285
Hole circle diameter	K	mm	240
Number of screwholes		pcs	8
Screwhole diameter	D1	mm	22
Height	H	mm	150
Height	H1	mm	210
Height to remove measuring insert		mm	475
Width	B1	mm	143
Width	B2	mm	310
Diameter	Ø B	mm	115
Weight of complete meter		kg	68

## PRESSURE LOSS GRAPH / TYPICAL ERROR GRAPH



Pressure loss graph



Typical error graph

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## **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](mailto:metering-germany-info@diehl.com)