

Watermeter Type WS-PE

for hot water up to 180°C / 200°C

DN 40...100



Special Features

- Interchangeable measuring element
- No influence by external magnetic fields
- Pulsers may be equipped easily

Application

- For measuring hot water up to 180°C in pressure rate PN 16
- For measuring hot water up to 200°C in pressure rate PN 40
- For special applications in power plants

Available Designs

Size	40	50		65		80		100	
Temperature in °C	200	180	200	180	200	180	200	180	200
Pressure in bar	40	16	40	16	40	16	40	16	40
Body material	GS 45	GG 25	GS 45	GG 25	GS 45	GG 25	GS 45	GG 25	GS 45
Order-No.	o.r.	826338	825961	826340	826003	826342	825963	826344	825965

Installation requirements

- Unrestricted straight pipe 3 x DN
- No restrictions directly behind the meter

Installation

Pipe	horizontal	
Meter head	upwards	

Sensus Metering Systems GmbH
Hannover D-30880 Laatzen • Meineckestraße 10
Weitere Informationen unter <http://www.sensus.com>

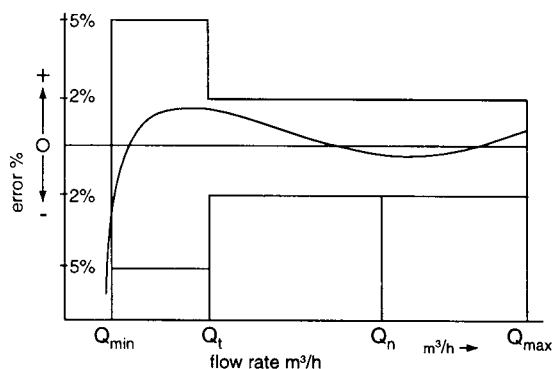


Technical Data

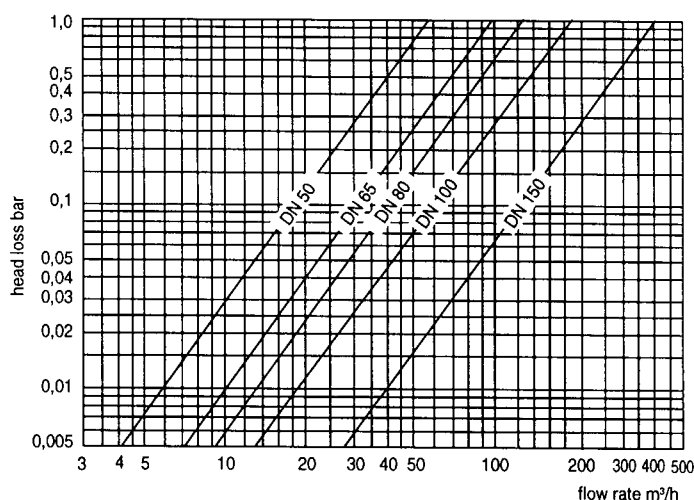
Performance table COSMOS WS 180 / 200 °C

	Size of meter	DN	40	50	65	80	100
Q _{max}	Maximum peak flow (few minutes)	m ³ /h	20	25	50	70	100
Q _n	Continuous flow	m ³ /h	10	15	25	40	60
Q _t	Transitional flow ± 2%	m ³ /h	2.25	2.25	3.75	6.00	9.00
Q _{min}	Minimum flow	m ³ /h	0.70	0.70	1.10	1.60	2.40
	Starting flow	m ³ /h	0.25	0.25	0.35	0.25	0.40

Typical accuracy curve



Typical head loss curve



Q_{max} = maximum peak flow
 Q_n = continuous flow
 Q_t = transitional flow ± 2%
 Q_{min} = minimum flow ± 5%

Dimensions

Size of meter	DN	40	50	65	80	100
Overall length L	mm	300	270	300	300	360
Height	H	mm	195	195	205	205
	H	mm	80	80	100	110
	g	mm	352	325	345	345
Width B	mm	170	170	200	200	260

Weights

200°C PN 40

Size	DN	40	50	65	80	100
Meter	kg	20.0	19.7	25.4	27.6	52.7
Insert	kg	4.2	4.2	4.4	4.4	13.2

180°C PN 16

Size	DN	50	65	80	100
Meter	kg	13.7	17.7	19.7	32.7
Insert	kg	2.7	2.7	2.7	7.7

Dimension picture

