

MeiStream Plus

Class C Bulkmeter for
cold potable water
DN 40... 150 PN 16



Special features

- Pattern approved removable measuring insert
- Unique measuring range
- High overload capability
- Metrological class C acc. to 75/33/EEC in horizontal installation
- Meter body in short (WP) and long (WS) overall length acc. to DIN 19625 and EN 14154 available
- Measuring insert fits the meter body of WP-Dynamic
- Used materials are temperature resistant up to 70 °C
- Register prepared for HRI-Mei pick-up
- Use of optical pulsers type OD is still possible

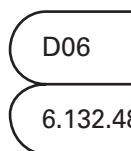
Application

- Measurement for billing of cold potable water acc. to regulation 75/33/EEC
- Measurement of medium and high flowrates
- Measurement of low flow e. g. in light load periods
- For leakage control

Options

- HRI-Mei factory mounted
- Version for use in hazardous area
- $\frac{1}{4}$ " pressure monitoring port

Approval Mark



Size: DN 40 ... 150

Marking: metrological class C; 30 °C

Performance Data

Nominal Diameter		DN	40	50	65	80	100	150
Q_s	Peak flow (short time)	m ³ /h	50	55	65	120	160	400
Q_{max}	Maximum flow (100 h)	m ³ /h	45	50	55	100	140	300
Q_n	Continuous flow	m ³ /h	30	35	40	63	100	200
Q_t	Transitional flow	m ³ /h	0.225	0.225	0.375	0.45	0.45	1.2
Q_{min}	Minimum flow	m ³ /h	0.09 (0.08)*	0.08 (0.07)*	0.12 (0.1)*	0.15 (0.1)*	0.2	0.4 (0.35)*
	Starting flow (average value)	m ³ /h	0.03	0.03	0.035	0.04	0.065	0.12
Δp	Head loss at Q_{max} acc. to 75/33/EEC	bar	0.15	0.09	0.3	0.11	0.21	0.16

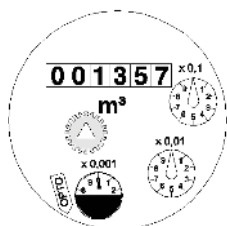
*) max. achievable values

Performance Data acc. to 75/33/EEC class C

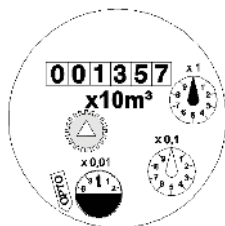
Nominal Diameter		DN	40	50	65	80	100	150
Size (acc. to EEC)		Qn	15 *)	15	25	40	60	150
Q_{max}	Maximum flow (short time)	m ³ /h	30	30	50	80	120	300
Q_n	Continuous flow	m ³ /h	15	15	25	40	60	150
Q_t	Transitional flow	m ³ /h	0.225	0.225	0.375	0.6	0.9	2.25
Q_{min}	Minimum flow	m ³ /h	0.09	0.09	0.15	0.24	0.36	0.9

*) meter is approved as Q_n15

Dial



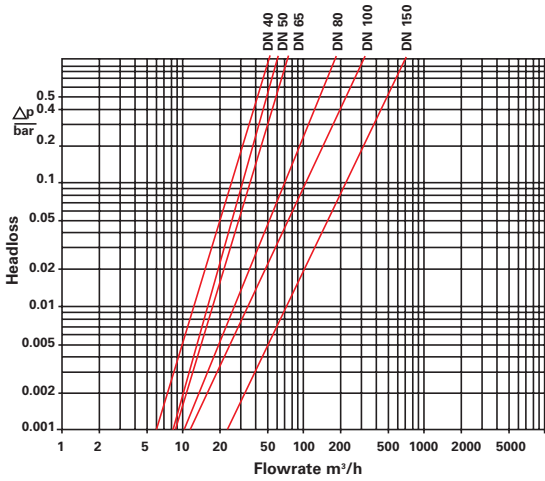
DN 40...100



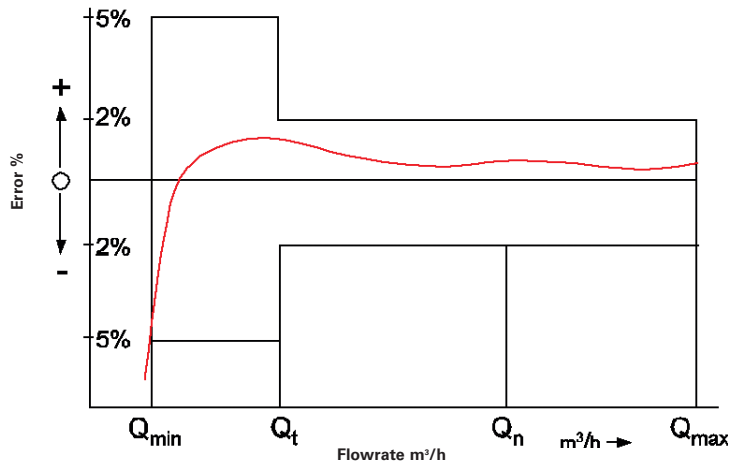
DN 150

Nominal diameter DN	Smallest reading m ³	Max. reading m ³
40 ... 100	0.0005	1,000,000
150	0.005	10,000,000

Typical headloss



Typical Error Curve



Pulse Values

Pulsar Type	DN 40 ... 100	Pulse Value	
		DN 40 ... 100	DN 150
HRI-Mei (Leaflet see LS 8400)	0.01; 0.05; 0.1 or 1 m ³	0.1; 0.5; 1 or 10 m ³	
OD 01 (Leaflet see LB 8300)	0.001 m ³	0.01 m ³	
OD 03 (Leaflet see LB 8300)	0.01 m ³	0.1 m ³	

Installation Requirements

Pipe	horizontal	
Meter head	upwards	

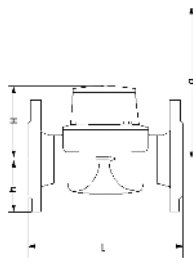
Installation

- Unrestricted straight pipe upstream 3 x DN
- No abrupt restrictions directly downstream of the meter

Materials

Body	Cast iron
Measuring element	Plastic
Rotor	Plastic
We also use the following materials	Brass Stainless steel

Dimension Picture



Available Lengths

Nominal diameter		40	50	65	80	100	150
Overall length L WS (DIN / ISO)	mm		270 / 300	300	300 / 350	360 / 350	500
Overall length L WP (DIN / ISO)	mm	220	200	200	225 / 200	250	300

Dimensions and Weights PN 16

Nominal diameter				40	50	50	50	65	65	80	80
Dimensions	Overall length	L	mm	220	200	270	300	200	300	200	225
	Height	H	mm	120	120	120	120	120	120	150	150
		h	mm	69	73	73	73	85	85	95	95
	Dismantling height	g	mm	200	200	200	200	200	200	270	270
Weights	Meter cpl.		kg	7.5	7.8	9.6	9.9	10.1	12.0	13.8	14.2
	Measuring insert		kg	1.5	1.5	1.5	1.5	1.5	1.5	3.2	3.2
	Body		kg	6.0	6.3	8.1	8.4	8.6	10.5	10.6	11.0

Nominal diameter				80	80	100	100	100	150	150
Dimensions	Overall length	L	mm	300	350	250	350	360	300	500
	Height	H	mm	150	150	150	150	150	177	177
		h	mm	95	95	105	105	105	135	135
	Dismantling height	g	mm	270	270	270	270	270	356	356
Weights	Meter cpl.		kg	16.3	17.7	18.2	20.0	20.2	35.9	44.2
	Measuring insert		kg	3.2	3.2	3.2	3.2	3.2	5.9	5.9
	Body		kg	13.1	14.5	15.0	16.8	17.0	30.0	38.3

Order Information

Description	Overall Length in mm	Order Number
MeiStream DN 40 50 °C / PN16	220	51101 A261C B1A1X
MeiStream DN 50 50 °C / PN16	200	51101 B261A B1A1X
MeiStream DN 50 50 °C / PN16	270	51101 B261F B1A1X
MeiStream DN 50 50 °C / PN16	300	51101 B261G B1A1X
MeiStream DN 65 50 °C / PN16	200	51101 C361A B1A1X
MeiStream DN 65 50 °C / PN16	300	51101 C361G B1A1X
MeiStream DN 80 50 °C / PN16	200	51101 D461A B1A1X
MeiStream DN 80 50 °C / PN16	225	51101 D461D B1A1X
MeiStream DN 80 50 °C / PN16	300	51101 D461G B1A1X
MeiStream DN 80 50 °C / PN16	350	51101 D461I B1A1X
MeiStream DN 100 50 °C / PN16	250	51101 E561E B1A1X
MeiStream DN 100 50 °C / PN16	350	51101 E561I B1A1X
MeiStream DN 100 50 °C / PN16	360	51101 E561J B1A1X
MeiStream DN 150 50 °C / PN16	300	51101 G761G B1A1X
MeiStream DN 150 50 °C / PN16	500	51101 G761N B1A1X



Certified according to ISO 9001
Quality Management System OQS Reg.no. 3496/0



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