



BOSS™ 38USHW & 38USH

Ultrasonic Heat Meter DN15-200

Data Sheet

General Description

BOSS Ultrasonic heat meters come with a pulse and MBUS outputs as standard, BSP and flanged PN16 connections are available in sizes from 15mm to 200mm.



Features and Benefits

- Ultrasonic Design
- MID Class 2
- RHI Compliant
- Pulse and MBUS as standard

Standard Features

- Temperature 3-130C
- Suitable for MTHW, LTHW and CHW systems
- Pulsed output value in both kWh and m3 per pulse
- Pockets Included

Display	LCD, 8 digits plus additional symbols
Display units	MWh, kWh
Sensors	3 metre PT500 flow/return sensors (5 and 10 metre sensors optional)
Power supply	3.6V lithium battery, 10 year lifetime (230V and 24V supplies optional)
Output	Pulse (MBUS, Modbus options available)
Protection class housing	IP54

Technical Data – Threaded – BOSS™ 38USHW

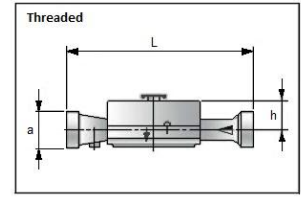
BSS Code	DN Size (mm)	Nominal Flow (m ³ /h)	Nominal Pressure (bar)	Max. Flow (m ³ /h)	Min. Flow (m ³ /h)	Flow at 0.1 bar pressure drop (m ³ /h)	Pulsed output value (kW/h per pulse)	Connection Size (inches)
38401205	15	1.5	16	3	0.015	1.3/1.2	1	¾
38401216	20	2.5		5	0.025	1.7/2.1	1	1
38401227	25	3.5		7	0.035	4.4	1	1¼
38400845	32	6		12	0.060	4.4	10	1¼
38400856	40	10		20	0.100	8.9	10	2

Technical Data – Flanged – BOSS™ 38USH

BSS Code	DN Size (mm)	Nominal Flow (m ³ /h)	Nominal Pressure (bar)	Max. Flow (m ³ /h)	Min. Flow (m ³ /h)	Flow at 0.1 bar pressure drop (m ³ /h)	Pulsed output value (kW/h per pulse)	Connection Class
38400867	50	15	25	30	0.15	13.3	10	PN25
38400878	65	25		50	0.25	30	10	
38400889	80	40		80	0.40	36	100	
38400908	100	60		120	0.60	56	100	
38400919	125	100		200	3.0	71	100	
38400930	150	150	16	300	6.0	89	100	PN16
38400941	200	250		500	9.0	102	100	

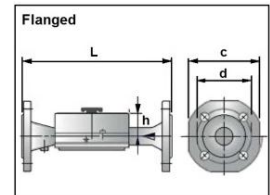
Basic Dimensions – Threaded – BOSS™ 38USHW

BSS Code	DN Size (mm)	Nominal Flow (m ³ /h)	Connection Size a (inches)	Bore (inches)	Length L (mm)	Height h (mm)	Weight (kg)
38401205	15	1.5	¾	½	110	50	1.6
38401216	20	2.5	1	¾	130	61	1.8
38401227	25	3.5	1¼	1	260	61	4.5
38400845	32	6	1¼	1	260	61	5.9
38400856	40	10	2	1½	300	61	10

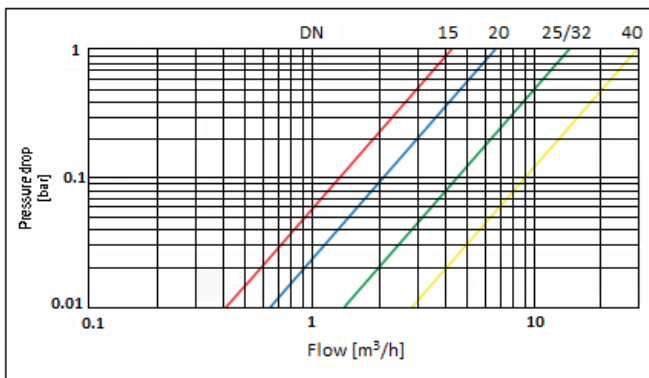


Basic Dimensions – Flanged – BOSS™ 38USH

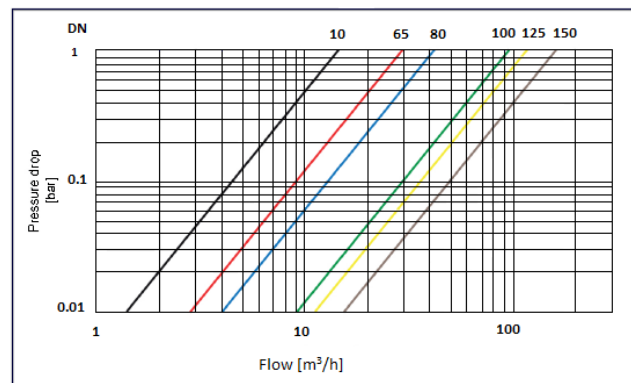
BSS Code	DN Size d (mm)	Nominal Flow (m ³ /h)	Connections	No. of Bolts	Width c (mm)	Length L (mm)	Height h (mm)	Weight (kg)
38400867	50	15	PN25	4	165	270	61	15
38400878	65	25		8	185	300	63	18
38400889	80	40		200	300	70	20	
38400908	100	60		235	360	75	25	
38400919	125	100		250	250	275	39	
38400930	150	150	PN16	8	285	300	325	48
38400941	200	250		12	340	350	352	55



Threaded



Flanged



All sizes are approximate and are given for guidance only.

Products and specifications may be subject to change from those shown without notice.