



JS 16-H

Single-jet vane-wheel water meter DN40

JS 16-H

The JS16-H is a single-jet dry type water meter, designed in the measurement range up to R100, for use in cold water supply networks, fire protection water systems and industry, with temperature up to 50°C. The water meter is designed and manufactured to the MID (Measuring Instruments Directive) and in compliance with EN14154, ISO4064 and OIML.

Application

The water meter is designed for the immediate measurement of the volume of water at a temperature of up to 50° by means of a fast connection to the DN80 and DN100 above-ground hydrants with a quick disconnect (cap size of 75). The maximum admissible pressure (MAP) is 16 bar. The water meter is designed to be fitted to a hydrant connection with the counter pointing upwards (H↑). The rotating counter of the water meter facilitates readout directly from the dial. The IP68 water meter is designed for use with universal induction communication modules which feature #UTIP (Universal TI Plug).

Regulatory and standard compliance

- Directive 2014/32/EC of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of measuring instruments
- OIML R 49-1:2006 – Water meters intended for the metering of cold potable water and hot water. Part 1: Metrological and technical requirements
- OIML R 49-3:2013 – Water meters intended for the metering of cold potable water and hot water. Part 3: Test report format
- OIML R 49-3:2013 – Water meters intended for the metering of cold potable water and hot water. Part 3: Test report format
- EN 14154-1:2005+A2:2011 – Water meters. Part 1: General requirements
- EN 14154-2:2005+A2:2011 – Water meters. Part 2: Installation and conditions of use
- EN 14154-3:2005+A2:2011 – Water meters. Part 3: Test methods and equipment
- EN ISO 4064-1:2017 – Water meters for cold potable water and hot water. Part 1: Metrological and technical requirements
- EN ISO 4064-2:2017 – Water meters for cold potable water and hot water. Part 2: Test methods
- EN ISO 4064-5:2017 – Water meters for cold potable water and hot water. Part 5: Installation requirements
- EC type examination certificate No. SK 21-MI001-SMUU071
- Classification of environmental climate and mechanical conditions: Class B (ref. PN-ISO 4064-1:2014 (E))
- Classification of mechanical environment conditions: Class M1 (ref. Polish Regulation Dz.U. 18.12.2006)
- Classification of electromagnetic environment conditions: Class E1 (ref. Polish Regulation Dz.U. 2006.12.18)

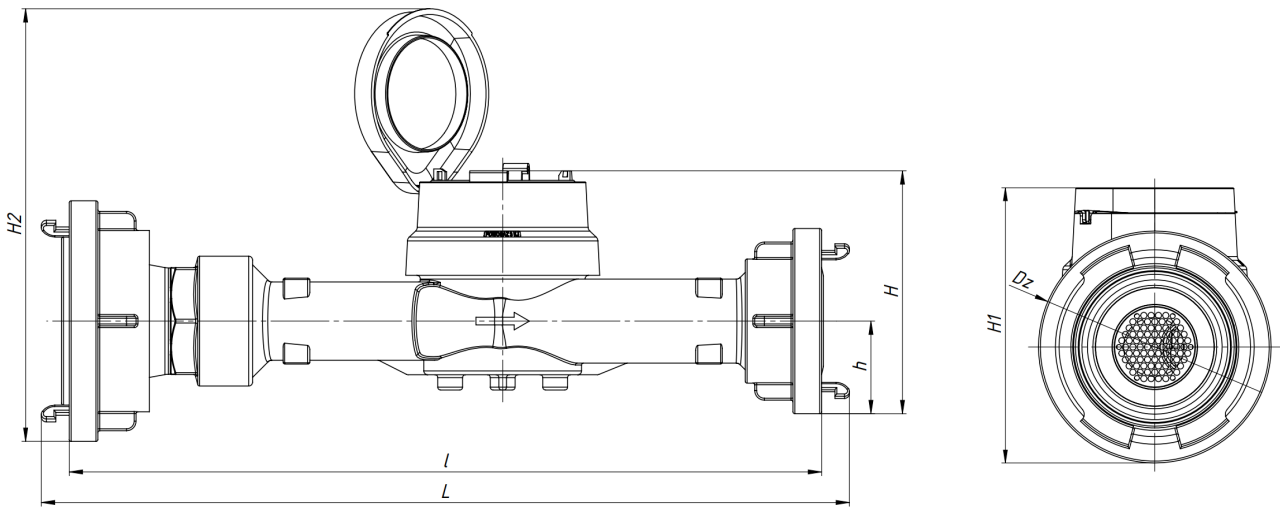
Counter version for
JS 16-H (IP68)



Tabela 1. Technical specifications

Specification	JS 16-H IP68		
Nominal diameter	DN	mm	40
Permanent flow rate	Q_3	m^3/h	16
Maximum flow rate	Q_4	m^3/h	20
Transitional flow rate	Q_2	dm^3/h	256
Minimum flow rate	Q_1	dm^3/h	160
Starting flow	–	dm^3/h	53
Ratio Q_2/Q_1	–	–	1.6
Temperature class (rated operating temperature)	–	–	T30, T50
Flow profile sensitivity class	–	–	U0, D0
Indicating range	–	m^3	99 999
Reading resolution	–	m^3	0.00005
Maximum pressure	P_{max}	MPa	1.6
Maximum pressure loss	Δp	kPa	63
Maximum permissible error range: $Q_2 \leq Q \leq Q_4$	ϵ	%	± 2 for cold water at a temperature of 0.1 °C to 30 °C; ± 3 for water at a temperature of >30 °C
Maximum permissible error range: $Q_1 \leq Q < Q_2$	ϵ	%	± 5
Connection ends	–	–	threaded

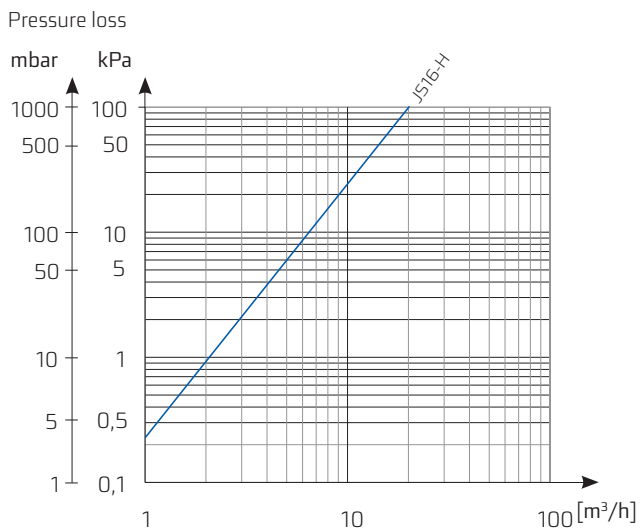
Dimensions of the JS16-H water meter (IP68)



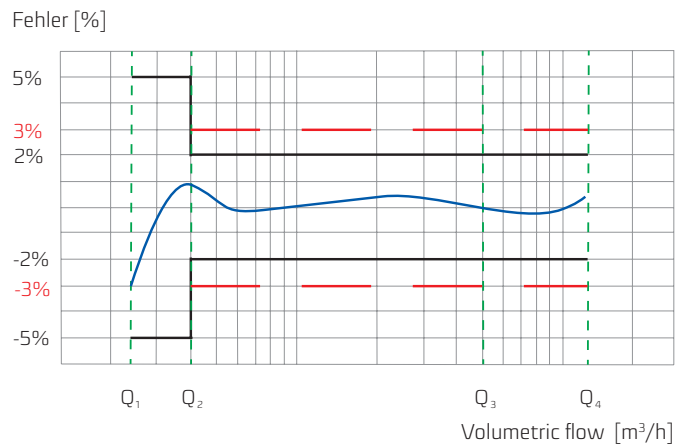
Dimensions

H	mm	127,2
H1	mm	149,45
H2	mm	226,6
h	mm	48,5
l	mm	394
L	mm	423,19
Dz	mm	126

Pressure loss chart



Typical error chart



The data presented in the datasheet was correct on the date of publication.
The manufacturer reserves the right to modify and improve its products without notice.
This publication is indicative only and should not be construed as a commercial offer under the Polish Civil Code.



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