

Single-jet vane-wheel water meters

JS-02 SMART C+

DESCRIPTION

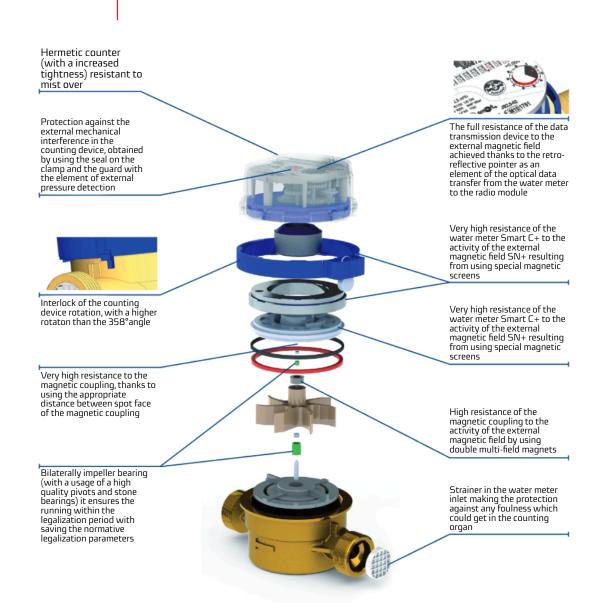
Smart C+ single-jet vane wheel water meter is designed for precise measurement of delivered water. Thanks to the newest construction solutions the water meter is adapted ro installing the radio module which enables the remote reading of indications. It is the best secured vane-wheel water meter, resistant to the external magnetic field. The water meter is designed on the basis of the MID directiove with the indicating range correstpoding the value of R=160 (previously named as C metrological class).



USAGE

Cold water supply systems operating at temperatures up to 50°C in single an multifamily housing. The rotating counter facilitates

reading of the water meter in specified operating positions. For installation in horizontal piping with the counter upward (H) or to either side (H) and in vertical piping with the counter sideways (V).



ADVANTAGES AND FEATURES

- Precise measurement R160 H
- The hifhest resistance in the scalo of the house single-jet vane-wheel water meters to the activity of the external magnetic field
- Adapted to remote readings
- Easy reading thanks to the possibility of free setting the rotating couner
- Alarm signalization the water meter is equipped with the radio module which has the
 possibility of informing about: de-installation or taking off the radio module, work
 interferences of the module, back flow, leaks etc.
- Easy readings thanks to: hermetic counter resistant to mist, readable numerals on barrels in two different colours which allow for an accurate reading, counter 358°
- Protection against the mechanical interference through the use of the pin, which is deforming the counter's shilled leaving the mark of the unapproved temper

ACCORDANCE WITH NORMS AND REGULATIONS

- Directive 2004/22/WE of the European Parliament and of the Council dated at 31 March 2004 about the measuting instruments
- OIML R49: 2004 i 2006 water meters meant for cold drinking water and hot water
- PN-EN-14154:2011 Wodomierze. Cześć 1 ÷ 3
- EN-14154:2011 water meters part 1 ÷ 3
- Certificate of the WE examination No. SK09-MIU007 rev. 5
- Classification of the environment, climatoc and mechanic conditions B class according to PN-EN-1454-3-:2005:A1
- Classification of the environment and mechanical conditions MI class according to RMG from 18. 12. 2006
- Classification of te environment and electromagnetic conditions E1 class according to 18. 12. 2006

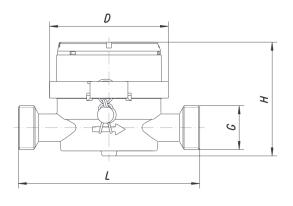
All the materials used in coustructing the Smart C+ water meter have a Hygienoc Certificate allowing the product to contact wiht drinking water.

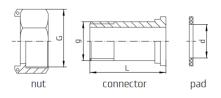
TECHNICAL SPECIFICATION

			Smart C+				
Parametr				JS 1,6-02	JS 2,5-02	JS 2,5-G1- 02	JS 4-02
Nominal diameter		DN	mm	<u> </u>		0	
Permanent flow rate		Q ₃	m ³ /h	1,6	,6 2,5		4
Overload flow rate		Q ₄	m ³ /h	2 3,125		5	
Transitional flow rate	H R160 V R63	Q ₂	dm ³ /h	16 40	25 40 63 102		102
Minimal flow rate	H R160 V R63	Q ₁	dm ³ /h	10 25	1 4	_	25 63
Starting flow		-	dm ³ /h	5	6		12
Ration Q ₂ /Q ₁		-	-	1,6			
Temperature class (nominal temperature class)		-	-	T30, T50			
Flow profile sensitivity classes		-	-	U0, D0			
Indicating range		-	m ³	99999			
Resoluton of reading		-	m ³	0,0005			
Max pressure		P _{max}	MPa	1,6			
Max pressure los		Δр	kPa	63			
Advisable error in the scale of: $Q_2 \le Q \le Q_4$		ε	%	± 2 for water temperature from 0.1 to 30°C ± 3 for water temperature higher than 30°C			
Advisable error in the scale of: $Q_1 \le Q < Q_2$		ε	%	±5			
Tightness class of the water meter counter		-	-	IP65			
Dimensions		G	cal	G3/4	G¾, G%	G1	G1
		Н	mm	68,5			
		L	mm	110	110*	130	130
		D	mm	72			
Weight (without the connection elements)		-	kg	0,5	0,5	0,6	0,6

The water meter construction:

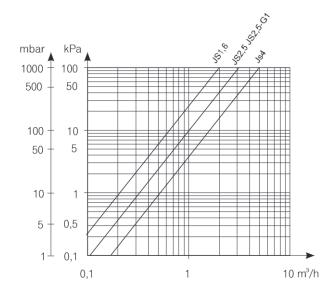
- -02 (with the 8 barrel counter, adjusted for radio module installation)
- *On special ordering are available over standard variants of the main casing thread (input and output) and the length L=115 mm



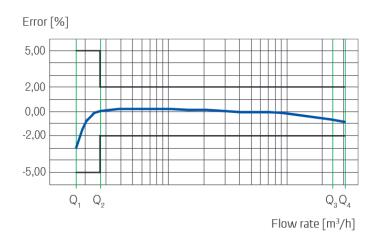


DN	G	g	D	L
	inch	inch	mm	mm
15	3/4	1/2	17	37,5
20	1	3/4	23	45,6

PRESSURE LOSS CHART



TYPICAL ERROR CHART



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The manufacturer reserves the right to change design, technical specifications and accesories without prior notice. K2024/05a