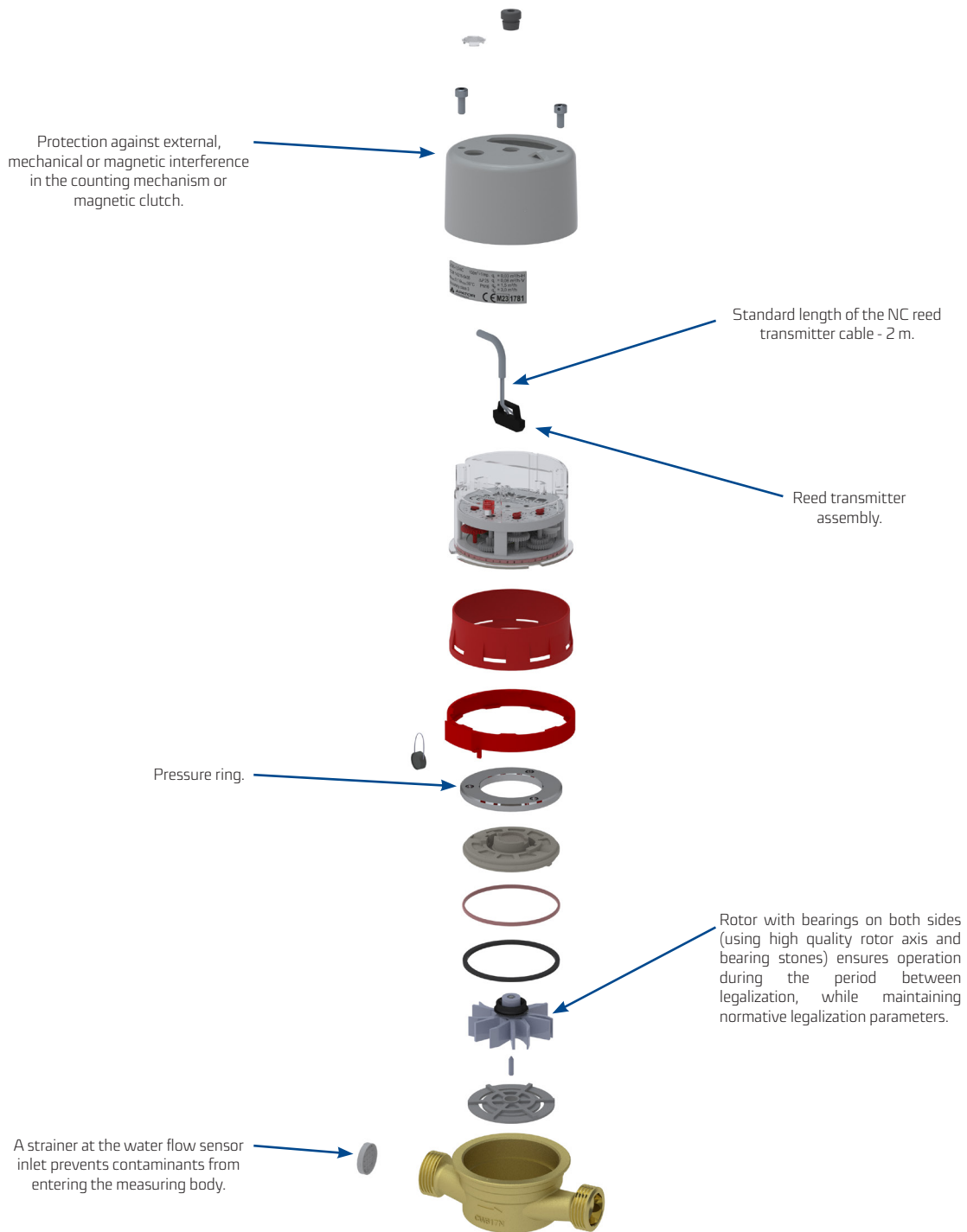


JS90-NC

Vane-wheel single-jet water flow sensor for heat meters DN15, DN20

JS90-NC

JS90-NC is a single-jet, dry-running water flow sensor dedicated to precise measurement of the flow of hot heating water. Using modern design and technological solutions, it ensures the reliability of indications and the stability of metrological parameters in permissible working positions during operation.



Application

Mechanical single-jet water flow sensors type JS90-NC are designed to work with heat meters. They can measure water at a temperature from 0.1°C to 90°C in a closed installation, with a maximum working pressure of up to 16 bar (PN16). Installation in horizontal pipelines with a counter on the top (H) or on the side (V) and vertical pipelines with a counter on the side (V), in heating installations of multi-family houses, in public and industrial buildings. The water flow sensors are equipped with a pulse reed transmitter (NC) and are available with a five-barrel counter (IP65), with antimagnetic protection and with a brass body. All materials used to produce the JS90-NC water flow sensor have appropriate Hygienic Certificates allowing the product to come into contact with drinking water.

Advantages

Safety:

- Protection against:
 - interference with a magnetic field (antimagnetic screens),
 - mechanical interference (counter cover).

Comfort of use:

- JS90-NC water flow sensors work perfectly with various types of heat meter converters,
- easy to assemble in installation,
- modular structure,
- proven and solid design,
- high operational durability.

Special features:

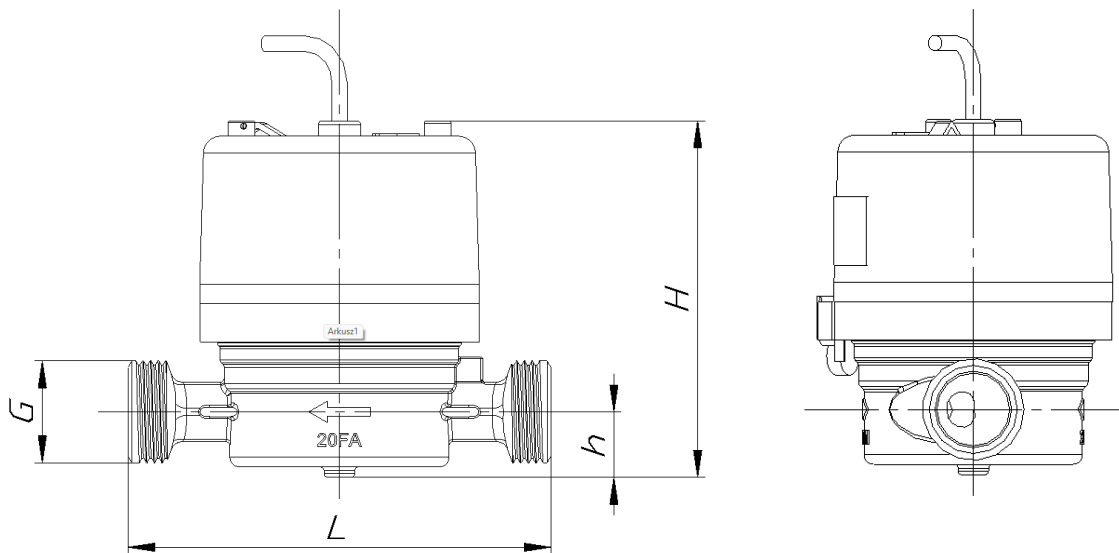
- wide measurement range,
- pointer-barrel counter placed in a hermetic cover,
- convenient reading by freely positioning the rotating counter.

Conformity with standards and regulations:

- EN 1434:2015
- OIML R 75:2002 and OIML R 75:2006 Heat meters Part 1-3
- Classification of environmental conditions - class A - according to EN-1434-1:2015, p. 10.2
- Classification of mechanical environmental conditions - class M1 - according to EN 1434-1:2015, p. 10.5
- Pulse output device class - OA class "OFF" - according to EN 1434-2:2015, p. 8.2.3
- Power supply for the reed transmitter (U_{max} / I_{max}) according to EN 1434-2:2015, p. 8.2.4

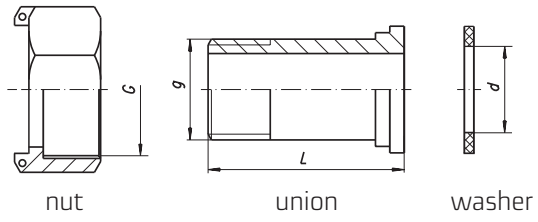
Table 1. Specifications

Type			JS90-0,6-NC	JS90-1-NC	JS90-1,5-NC JS90-1,5-G1-NC	JS90-2,5-NC
Nominal diameter	DN	mm	15		15/20	20
Minimum flow rate	q _i	H	12	20	30	50
		V	24	40	60	100
Nominal flow rate	q _p	m ³ /h	0,6	1	1,5	2,5
Maximum flow rate	q _s	m ³ /h	1,2	2	3	5
Indicating range	-	m ³	10 ^{^5}			
Resolution of reading	Ve	dm ³	0,05			
Maximum pressure allowed	MAP	-	PN16			
Maximum working pressure allowed (PS)	-	bar	16			
Maximum pressure loss	q _p	(ΔP)	0,25			
Maximum temperature allowed	-	°C	90°C			
Minimum length of straight section before and after the flow sensor	-	mm	0			
Working position	-	-	H,V			
Maximum error allowed	E _f	%	±(3+0,05q _p /q) but no more than 5%			
NC reed pulse transmitter	-	dm ³ /imp	10 (standard pulsing); 1,100 (on request)			
Height	H	mm	93			
	h	mm	17			
	L	mm	110		130	
Weight	-	kg	0,49	0,49	0,49/0,56	0,58

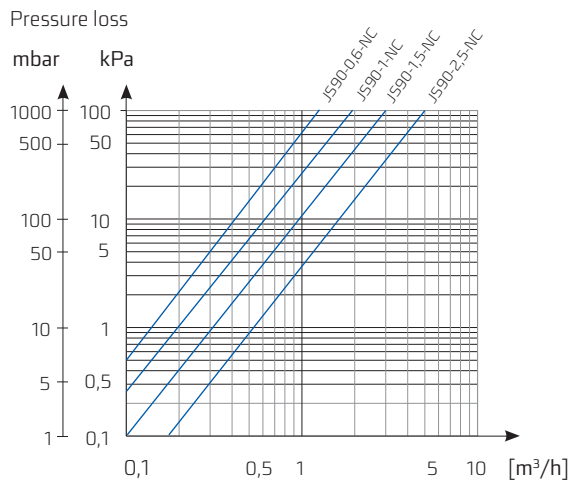


Connection fittings

Wymiary			
DN		15	20
G	inch	¾	1
g	inch	½	¾
d	mm	17	23
L	mm	37,5	45,5



Pressure loss 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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