

# MECHANICAL FLOW METER HS360M - ATEX

## DESCRIPTION

### Flow meter HS360M Atex with numerator 3 or 4 digits.

The mechanical volumetric flow meter with nutating disk system, is used to measure diesel oil and other liquids compatibles with the constituent materials and it is certified for use in potentially explosive atmospheres. Its working is based on the liquid passage through the measurement chamber that puts in motion the nutating disk placed inside it and, with a special transmission system, the motion is transferred to the numerator. The innovative dial turns degree by degree in order to facilitate the reading in any mounting position of the instrument.

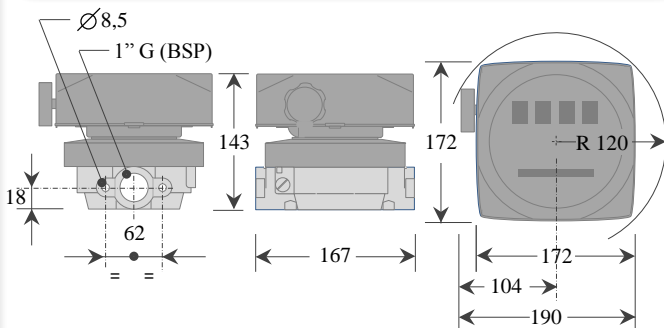
**The flow meters series HS360M Atex are for private use only and their use is forbidden in transactions with third parties – NOT FISCAL INSTRUMENTS –**

## FEATURES AND ADVANTAGES

- ✓ **HS360M Atex**, available with certification Group II 2GD c IIC T6 and Group I M2 T85°C
- ✓ **HS360M Atex**, is the first mechanical flow meter **without the transmission shaft** that has been removed to prevent seals wear, liquid losses and a lower precision of the instrument.
- ✓ **HS360M Atex**, is the first mechanical flow meter that allows the numerator to rotate degree by degree respect to the body without being disassembled. For this reason, it fits every mounting need.
- ✓ **HS360M Atex**, is easy to calibrate because of its new high sensitivity by pass.
- ✓ **HS360M Atex**, is easy to install and it can be placed on tanks, pumps, rigid tubes and flexible tubes



## DIMENSIONS



MADE IN ITALY

PATENT n° 0001391130



## ATEX CLASSIFICATION

**HS360M** complies with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres in accordance with the Directive 94/9/EC.

For this reason, this NON ELECTRIC instrument meets the requirements for the following ATEX classifications:

CE Ex II 2 GD c IIC T6 HS360M3A II HS360M4A II

Use in potentially explosive atmospheres

CE Ex I M2 T85°C HS360M3A I HS360M4A I

Use in mines

## TECHNICAL FEATURES

Description	HS360M3A II HS360M3A I	HS360M4A II HS360M4A I
Partial counter	3 digits	4 digits
Total counter	6 digits	8 digits
Weight	1,73 Kg.	1,76 Kg.
Mechanism	Nutating disk	
Flow rates litres/min.	20 - 120	
Max. operating pressure	3,5 bar	
Bursting pressure	20 bar	
Temperature	- 30 + 50 °C	
Accuracy / Repetitiveness	-/+ 1% / 0,3%	
Attachment in/out	1" G (BSP)	
Dimensions	172 x 190 x h143mm	
Material in contact with the liquid	Al; PomGB; Pom; Ni (NdFeB); by pass in OT58; KM (In AI version the AI corps is coated in PFA, and the by pass is produced in POM)	

The data reported are indicative. **Hasley Plastic Technology S.r.l.** reserves the right to make changes to dimensions and characteristics without notice. It is forbidden to reproduce or copy the document without written authorization.

**Hasley Plastic Technology S.r.l.**

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