



## Mechanical Flow Meter

Mechanical counter to quantify water filtered by plankton nets



438 110

### ABOUT

The main application of the Mechanical Flow Meter is the **determination of the amount of water passing through a plankton net**. Additionally it may be used in stationary applications such as flow monitoring of rivers and outfalls.

They use a three-blade impeller, directly coupled to a five-digit counter which records the revolutions of the impeller.



438 115

### The Mechanical Flow Meter is available in two versions:

For horizontal operations use the basic version without back-run stop.

For vertical operations use the Mechanical Flow Meter with back-run stop. This avoids faulty measurements caused by reverse counting during descent.

### TECHNICAL DATA

Hydraulic pitch	0.3 m per revolution
Range of counter	99999 revolutions
Impeller diameter	75 mm
Material	Plastics, titanium
Length	438 110: 190 mm 438 115: 205 mm
Weight	438 110: 120 g 438 115: 145 g
Measuring range:	0.3 ... 10 m/s
Accuracy	$\pm 5\%$ (0.6 ... 10 m/s) / $\pm 10\%$ (0.3 ... 0.6 m/s)

### ORDERING INFORMATION

Products	
438 110	<b>Mechanical Flow Meter without back-run stop</b>
438 115	<b>Mechanical Flow Meter with back-run stop</b>

