

IMPACTLIEN FLOW METERS MEASURING FLOW RATE OF BIOMASS FUELS

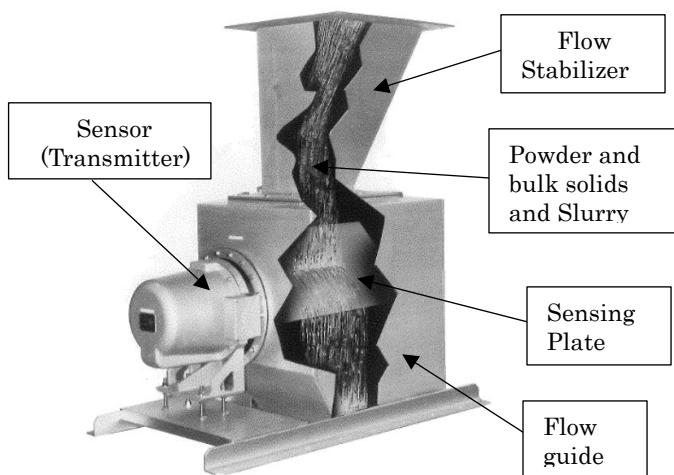
Impactline Flow-Meters have measured flow rates of Biomass Fuels- palm husks, timber chips and so forth- at power plants and the like, to measure their consumptions and to control flow rate of them.

The Impactline Flow Meters' outstanding features are:

- 1 . Excellent durability and maintenance-free,,
- 2 . Small configuration, lightweight and low-cost installation,
- 3 . Enclosed structure and dust-pollution-free, and
- 4 . Available for pressurized and high-temperature processes.

Model ILS-45-60S, are installed under the chain conveyors unloading the Biomass in ships at power plants..

When the biomass fuels fall naturally from a fixed height, the horizontal component of the impact force exerted on the sensing plate will be proportional to the instantaneous weight flow of the material. This is the basic principle of operation of the flow meter. The impact force is converted into electric signal to be transmitted to the receiver, which outputs flow rate signal of 4-20 mA.



Principle of operation for Impactline Flowmeter:

Slurries and powder and bulk solids discharged from the feeder fall naturally from a fixed height through the flow stabilizer and cause the impact force proportional to instantaneous weight flow rate of the materials on the sensing plate. The horizontal component of the impact force is detected by the transmitter and the receiver indicates the flow rate, and outputs

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Photo. 1 : Measuring the palm husks-
5 mm diameter x 10 – 60 mm length- at 0 to 300
t/h. Model: ILS-45-60S waiting for being ex-
worked from the factory.



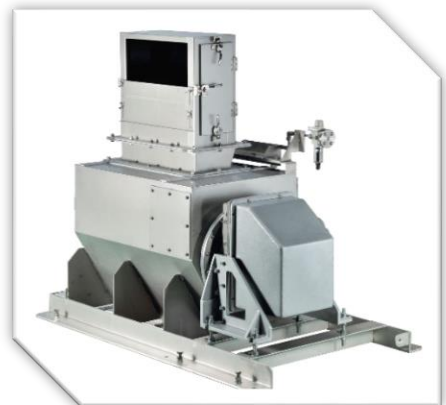
Photo.2 : Application for Biomass
Wood chips.
MODEL No : ILE-30



Photo.3 : Multipurpose Type
Model : ILS30-30



Photo.4 : Application for Slurry and Bulk.
Model: ILE-61



NEW

Photo.5 : This Series can be installed in 200~350 mm very narrow vertical spaces.
Model: SIS series

