



## THE AKWA\* FLOW SENSOR

Is mainly used to Identify water drips / leaks inside walls, or monitor outdoor wastage caused by leaking hoses or pipes.

### The Flow sensors are designed to calculate the rate of the flow (gpm, lpm, etc.).

The turbine wheel inside the pipe is set in the path of a fluid stream. The flowing fluid impinges on the turbine blades, and when a steady rotation speed has been reached, the speed is proportional to fluid velocity. They are the meter of choice for water distribution systems.

AKWA Flow sensors help to identify if there is a leak or a drip within a plumbing system. In the event of a leak or an unusual event, a signal is sent to the AKWA Master valve and the system is automatically shut down at a preset time.

## CHARACTERISTICS

- Made of high-quality stainless-steel material, environmentally friendly, sturdy and durable
- There is an integrated hall effect sensor that outputs an electrical pulse with every revolution / turn. The hall effect sensor is sealed from the water pipe and allows the sensor to remain safe and dry
- The Flow Sensor is lightweight, compact in size, offers a stable performance and encompasses a low water pressure starts. It is easy to install and safe to use.

## SPECIFICATIONS

<b>Dimensions</b>	60mm (2.36")
<b>Weight</b>	110g (0.24 pound)
<b>Pipe thread</b>	¾" NPT & 1" NPT
<b>Start flow range</b>	0,5 L/min
<b>Flow Range</b>	2 – 45 L/min
<b>Maximum water pressure</b>	1.75Pa
<b>Working Voltage range</b>	DC 4.5V to 18V
<b>Max current</b>	10 Ma
<b>Insulation resistance</b>	> 100 MΩ

\* Any reference to the only term "AKWA" means the water leak prevention and detection product "AKWA Technologies", while any reference to the whole terms "AKWA Concierge" means another product from AKWA Technologies Solutions inc.