

**WATER SUPPLIES DEPARTMENT**  
**STANDARD SPECIFICATION E-86-31**  
**PADDLE TYPE NO-FLOW SWITCH**

1. **GENERAL**

The paddle type no-flow switch is one which utilises the force of liquid flow to propel its paddle for detecting the incoming flow or movement of the liquid in the pipe through the actuation of a magnetic switch contact. It shall be used in water piping system for initiation of tripping or alarming at the preset value.

2. **DESIGN**

The paddle shall be able to withstand the specified maximum velocity and pressure in the pipeline without damage, and be sufficiently sensitive to detect the specified minimum flow.

3. **CONSTRUCTION**

Materials in contact with liquid : Stainless steel 316

Output contact rating : 1A 220V 50 Hz changeover type

Setting range : Specified in the Particular Specification

Degree of protection of switch enclosure : IP65

Pressure rating of sensor : PN16 or otherwise specified in the Particular Specification

Mounting of sensor : Flange mounted for pump delivery system; size as specified in the Particular Specification