

# PADDLE TYPE AIR FLOW SWITCH



Model: AFSPT

## KEY FEATURES

- Weather Proof Design
- Highly Reliable
- Wide Temp. Range
- Sturdy Design

## GENERAL:

AFSPT is used for monitoring air flow in the ducts. The upper assembly including micro-switch is isolated using SS316Ti bellow assembly. In some cases Magnetic coupling is also used. This isolation is very helpful in case of moist air or pressurized air or gasses flowing through ducts.

## APPLICATION

- Clean Room Filter Systems
- Duct Type Heating
- Exhaust Ventilating
- Air Supply System
- Air Treatment Systems

## TECHNICAL SPECIFICATIONS:

<b>Max. System Pressure</b>	: 25 Kgcm <sup>2</sup>
<b>Temperature Range</b>	: -20 to 100°C
<b>Sensor Specifications</b>	: Microswitch with changeover contact (SPDT or DPDT)
<b>Contact Rating</b>	: 5A 230VAC SPDT MicroSwitch or 15A 250 VAC Micro Switch In case of SS316L Bellows Only)
<b>Sealing Type</b>	: Bellow sealed / magnetically coupled.
<b>Max. Air Velocity</b>	: 15000 fpm

## INSTALLATIONS INSTRUCTION

The Flow Switch can be installed in every position duly oriented on stream. If pipe is vertical, reset range to balance vane (paddle) weight. Put the provided gasket on the device fixing base to pipe. The flow switch is factory calibrated to the minimum switch off value. The required value can be set by turning the adjustment screw to the relative direction (for detailed description please refer the installation manual). Due to the risk of fracture at air speeds higher than 5 m/s, the vane must be cut off on the side where marked. As a result of this the minimum switch off value will increase. Steadying zones must be provided 5 times the diameter of the duct before and after the location of installation.

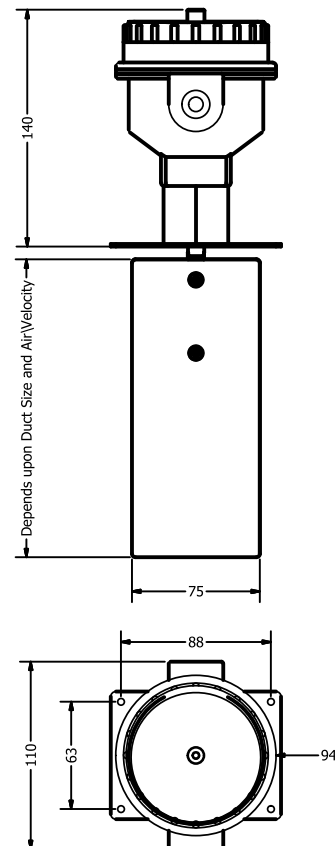
## ORDERING INFORMATION

- AFSPT-01** - Magnetically Coupled Fixed Flow Setting
- AFSPT-02** - SS316Ti Bellow Adjustable Flow setting.



Images used are for reference purpose only

## DIMENSIONS



Authorised Dealer



*MK Instruments Pvt. Ltd.*

B-501/504, 5th floor, Raunak Arcade, Near THC Hospital, Gokhale Road, Naupada,  
Thane(W) 400602. Maharashtra INDIA      Telefax Nos.: 91-22-25301330 / 31 / 32  
E-Mail: sales@nkinstruments.com      Web: <http://www.nkinstruments.com>  
Skype: nitinkelcarskype      Gtalk: nkinstruments2006

