



DAG FLOW SWITCH (VANE TYPE)

DAG Flow switches are **Vane / Paddle** operated, used to detect **Flow / No-Flow** condition in a fluid flow line. With sufficient Differential Pressure upstream and downstream of the switch; fluid flow is established. Increase in flow deflects the **Paddle** which is attached through a Sealed Connecting Link, upwards inside the enclosure. This movement actuates a Microswitch (**NO-NC-COM**). When flow stops or decreases the paddle drops back to reset the microswitch. Calibration has to be done on-line against a Rotameter. Setting is adjustable on-line, by a screw.

Flow of Fluid is important and not the Pressure in the system.

The standard switch connects thru a 1" BSPM connection, IP66, Cast Aluminium enclosure, SPDT Microswitch. & 3/4" ETF cable entry. (Flameproof Version to Gas Group I, IIA & IIB, T6 with 1/2" NPTF Cable Entry)

Model decoding

WP/ : Weatherproof to IP66
FLP/ : Flameproof to Gr.IIA&B
: or Flameproof to Gr.IIC
FS : Flow Switch
-25VSC : 1" BSPM / NPTM
-40VSC : 1 1/2" BSPM / NPTM
-50VSC : 2" BSPM / NPTM
-40VFL : 1 1/2" Flanged
-50VFL : 2" Flanged
Other connections will have similar type of decodification.

Example

FLP/FS-25VSC

FLP : Flameproof to required area
FS : Flow Switch
25VSC : Vane type, & 1" Screw Conn.



Weatherproof Enclosure
Threaded Connection



Flameproof Enclosure
Flanged Connection

Specifications

Enclosure : Cast Aluminium, Epoxy Powder Coated (SS on request)
Flameproof to Gr.IIA & IIB or Gr.IIC, T6
Weatherproof to IP65, IP66 (IP67/68 on request)
Process Conn. : 1", 1 1/2", 2" BSPM / NPTM, Brass / SS (Flanged as per requirement)
Adjustment : Internal thru Screw & locknut
Element : SS Vane / Paddle, (Bronze/SS-316 Bellow)
Switch : 1 SPDT Snap Acting Micro, Two SPDT optional
Rating : Upto 5A 250VAC / 5A 24VDC / 0.5A 110VDC
Contact : Silver / Gold Plated / Hermetically Sealed
Differential : Fixed minimum
Repeatability : $\pm 2\%$ FSR
Temperature : -10° to +100°C
Pressure : 5 kg/cm² / 10 kg/cm² (other on request)
Cable Entry : 3/4" ETF, 1/2" NPTF, M20 x 1.5

Dag Process Instruments Pvt. Ltd.

C4 Nandanvan Industrial Estate, Opp ACC Research Centre, LBS Marg, Thane 400604

Phone: 25812695, 25812710 Fax: +91-22-25832311 Email: dagprocess@vsnl.com

Manufacturers of Pressure, Level, Flow, Temperature Switches

Visit our site: www.dagprocess.com