

FLOW SWITCH

DK's magnetic flow switch is the product of two decades knowledge in thermal power station, fertilizer & chemical industries. Flow switch is the target type unit that works on the magnetic principle of attraction. As the flow causes the flapper to deflect the magnet moves closer to or further away from the switch causing the reed switch to actuate. Switching action is determined by flow & not by pressure. The unique features of reed switch technique is adapted unique design, magnetic switching and an uncompromised quality have resulted in unparalleled reliability

SALIENT FEATURES:

- Hermitically Sealed
- Glass encapsulated reed switch prevents dust, dirt, moisture and gaseous pollutions
- Low cost, easy installation
- Minimum maintenance, minimum down time- minimum inventory
- Glandless - no spring, no seal, no diaphragm
- Safe and sure magnetic coupling
- Self lubricating bush for friction free operation & long life
- Contact can be made NC or vise - versa
- Shock and vibration effect minimum
- Sparkles operation with solid state contact protector system
- No loss of magnetic energy due to attraction principle
- Highly reliable and dependable
- Flow indication with sight glass



Model - 2000



Model - 2000S



Model - 2100



Model - 2100F



Model - 2100S



Model - SF100+2000S

STANDARD SPECIFICATION:

Model	: 2000
Type	: Magnetically coupled target type / Vane actuated type
Working Principle material - Body, Flapper & wetted Parts	: AISI 304 SS / AISI 316 SS. / Brass / Aluminium / Teflon / Polypropylene / PVC
Switch Cover	: Cast Aluminium, Weatherproof to IP – 55/65/67 Anticorrosive painted
Mounting	: Horizontal / Vertical
Connection Size	: Screwed / Flanged as per ANSI, DIN, JIS, BS, IS standard
Signalisation	: Hermitically sealed glass encapsulated Reed Switch
Contact Form	: NO / NC, 1 NO + 1NC, 2 NO + 2 NC
Contact Rating	: 1A, 230V AC, 5A, 230V AC or 0.25A, 220V DC
Electrical Connection	: ½" to 1" ET / NPT (F)
Operating Pressure	: 25 Kg / cm ²
Operating Temperature	: (-40°C) to (+200°C)
Line Size	: 1/4" to 40"
Set Point	: Adjustable
Differential	: Variable
Accuracy	: ± 0.5% FSR
Repeatability	: ± 0.5% FSR

Model - 2000 S : Flow Switch is complete with flanged tee, radiating fins and any other special features

Model – 2100 : Flow Switch is very low flow type i.e. minimum flow - 500 cc / min for minimum 1/4" line size

Model - 2100 S : Flow Switch is complete with different accessories for very low flow type

Model – 1000 : Air / Gas flow type

Model - 2100 F : Explosion proof approved by CMRS Dhanbad for group IIA & IIB gas as per IS 2148 - 1981 enclosure material - cast Al - LM - 6 / CI / SS 304

Model - 2200 F : Explosion proof approved by CMRS Dhanbad for group IIC gas as per IS 2148 - 1981 Enclosure. Material - cast Al - LM - 6 / CI/SS 304

Model 2300 S : By pass type Flow Switch is complete with office assembly for very high flow

Model 2000S + SF 100 : Flow Switch is complete with sight glass

OPTIONAL:

- Special Tee either screwed, Flanged as per ANSI, DIN, JIS, BS, IS standard available.
- Solid-state contact protector for sparkles operation of the contact is available. Current Rating also increased as per requirement.
- In Built sight glass available.
- Max. Pressure & Temperature up to 160 Kg./cm² and 500°C available with radiating fins



D. K. INSTRUMENTS PVT. LTD.

An ISO 9001:2000 Certified Company

76/2, Selimpur Road, Dhakuria, Kolkata – 700 031.

Ph. No.: 91-33-2415 1310 / 2405 0944, Fax: 91-33-2415 2311.

E-mail: dkinst@vsnl.net, Web Site: www.dkstruments.com



D.K.

...simple flow solutions in a complicated world.



Small screwed unit



Medium screwed unit



Small flanged unit



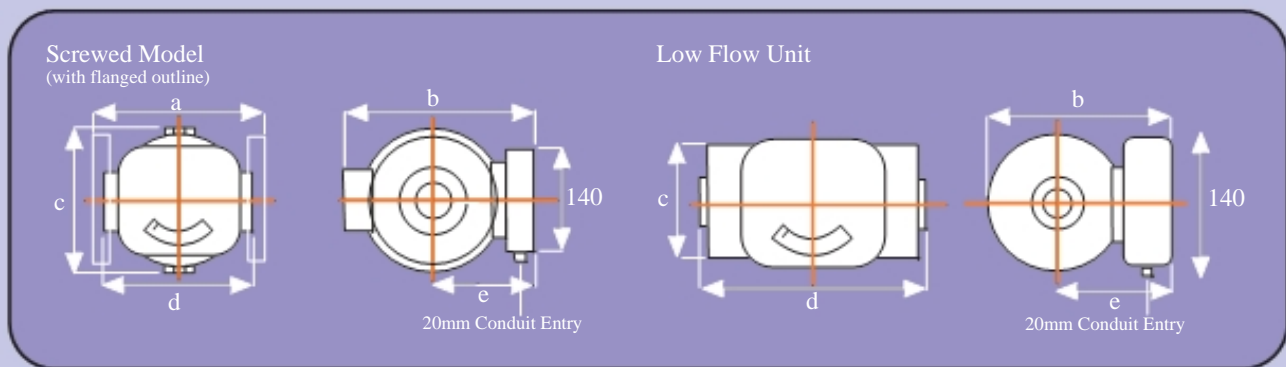
Medium flanged unit



3" flanged unit

Flow rate indicators with switches.

These units are manufactured in a wide range of sizes and specification options but all have the same basic function. A dial and mechanical indicator continuously monitor the flow rate at any given time whilst electrical switches can be specified to signal when a particular level has been reached during increasing or decreasing flow rates. Switches are field adjustable over the full range. Where batching, trending, totalising or recording is required, all DK units can be supplied with a 0-10V or 4-20mA output. All sizes are manufactured to the same simple design concept, the main characteristic of which ensures that the pressure drops are confined to an absolute minimum (see 'pressure drop' charts) across the vane orifice at full flow, with viscosities as high as 600cS. Sizes are defined by pipe size and / or maximum flow capacity, and every flow switch is individually calibrated so that full scale deflection is used in each application i.e. the maximum scale reading coincides with the maximum requirement of system as specified by the customer. Calibration may be in any units with single or dual scale to specification.



Min Full Scale Flow LPM	Max Full Scale Flow LPM	Pipe Size	Overall Dimensions (mm)					Approximate Weight (kg)				
			a	b	c	d	e	AL	B	CI	S-SS	PVC
0.2 <small>(low flow unit)</small>	5 <small>(low flow unit)</small>	1/4 - 1"	n/a	155	100	188	110	3	8		8	3
		1/4 - 1"	160	150	80	130	110	1	2	2	2	1
4	70	3/4 - 2"	180	200	120	150	115	3	7	7	7	3
40	500	2 1/2"	180	200	120	230*	115	5	10	10	10	4
50	800	3"	255	320	250	305*	160	20	54	50	54	15
250	1500	4"	255	320	250	305*	160	23	60	56	60	17
300	2000	6"	460	500	370	510*	280	60	200	175	200	n/a
800	3500	8"	485	500	370	535*	280	68	225	200	225	n/a
1000	5000											

*Obtained by mating flanges.

DKL300

B

LP

3EE

1cS

16F10

S3

D1

SERIES AND FLOW RATE

DKC* = Low Flow
DKL* = Litres / Min
DKB* = Imp. Gallons / Min
DKG* = U.S. Gallons / Min
DKM* = M3/ Hour
*Add Full Flow Rate in Units

MATERIAL OF MANUFACTURE

AL = Aluminum
B = Brass
CI = Cast Iron
G = Gun Metal
S = Carbon Steel
SS = Stainless Steel
PTFE* = PTFE
PVC* = PVC

*Only available up to 4" Port Connections and 100 psi / 7 bar maximum pressure.

Note: For materials and pressures not specified, please consult factory.

PRESSURE RATING

LP = 300 psi / 20 bar maximum
MP = 750 psi / 50 bar maximum
HP = 3000 psi / 200 bar maximum*

*CI, CIK, S & SS only

INDICATOR READ OUT

ME = Mechanical Pointer only
3EE = SPDT 3 Wire Switch
3EEG = SPDT 3 Wire Switch with Gold Contacts
3EE(ATEX3) = SPDT Explosion Proof Micro Switch to ATEX zone 3
3EE(ATEX2) = SPDT Explosion Proof Switch to ATEX zone 2
6EE(ATEX2) = DPDT Explosion Proof Switch to ATEX zone 2
POT = Potentiometer (Specify Rating)
OUT = 4-20 mA Output
TOT = Digital Rate Totaliser
TOTX = Digital Rate Totaliser (ATEX)

Note 1: All electrical boxes (apart from TOT & TOTX) also carry a Mechanical Pointer

Note 2: For 4 & 6 Wire Switches replace 3EE by 4EE or 6EE

Note 3: Manufactured to IP65 (NEMA 4) as standard (up to 2 1/2")

ELECTRICAL OPTIONS

CODE: 3EE

Basic single pole, double throw, 3 wire switch.
15 Amp - 125, 250 or 480V.AC
0.5 Amp - 125VDC / 0.25 Amp - 250VDC

CODE: 4EE

Contact arrangements is single-pole, double throw, double-break.
10 Amp - 125 or 250V.AC
0.3 Amp - 125VDC / 0.15 Amp - 250VDC

CODE: 6EE

Double-pole, double throw switches simultaneously make and break two independent circuits.
10 Amp - 125 or 250V.AC

0.3 Amp - 125VDC / 0.15 Amp - 250VDC

CODE: AIR

This system offers an alternative safety arrangement for operation in explosive atmospheres. Compressed air can be used to transmit an on / off signal from the danger area, or to operate a klaxon inside the danger area.

CODE: POT

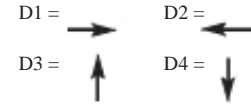
Remote read-out option (0-10V). Rating to customer's specification, e.g. 1K, 2K etc.

CODE: OUT

A transducer can be connected to the potentiometer to give the required 4-20 mA output. Data Loggers or Recorders can be added to the system.

The 3 and 6 wire switches described above are available in ATEX approved explosion proof versions, with the appropriate enclosure box. When two or more switches are assembled in one unit, they remain independently adjustable. Re-adjustments may be carried out in the field.

FLOW DIRECTIONS



O' RING SEAL MATERIAL

S1 = Buna (-40°C +110°C)
S2 = EPDM (-40°C +150°C)
S3 = Viton (-20°C +200°C)
S4 = PTFE (-100°C +250°C)

PORT CONNECTIONS

2 = 1/4"
4 = 1/2"
6 = 3/4"
8 = 1"
10 = 1 1/4"
12 = 1 1/2"
16 = 2"
Sizes 1/4" - 2" are Screwed or Flanged.

For Flanged Bodies, add relevant code letters (shown below).

20 = 2 1/2"
24 = 3"
32 = 4"
48 = 6"
64 = 8"
Sizes 2 1/2" - 8". Standard units have Flanged Bodies - add relevant code letters (shown below).

Cast Iron and Steel mating flanges are available:

For Screwed, add - S
For Socket Weld, add - SW

Standard Threads are BSP, for NPT add - N

For Flanged Connections add one of the following codes:

F10
F16
F25
F40
Alternative Pressure Ratings in BS4504 / DIN2632-5

F150
F300
Alternative Pressure Ratings in BS1560 / ANSI B16.5

F600
FAD
FE
FF
Alternative Pressure Ratings in BS10

For special flange connections, please enquire at factory

VISCOSITY AT OPERATING TEMPERATURE

State units and scale
eg. Water is 1 Centistoke (cS)
Maximum rating should not exceed 600cS

Air & Gas Applications

Flow-Mon flow switches can be used to measure gas flows in exactly the same way as liquid flows. When enquiring for such an application the following information will be required:

- Specific gravity of the gas
- Maximum flow volume
- Operating temperature
- Operating pressure

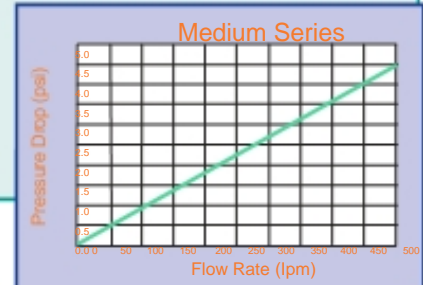
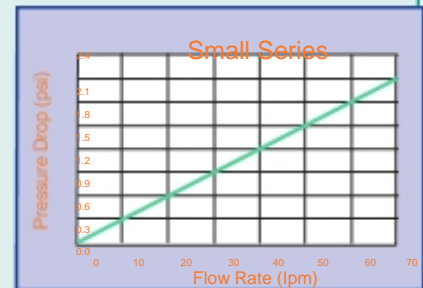


Variable Orifice / Swing Vane Principle

The flow switch body houses a spring-loaded valve plate (vane) which pivots off-centre in a hemispherical cavity. Thus the vane and cavity have a variable area orifice relationship. This gives both a high flow range and a linear relationship between flow rate and vane displacement. The vane indirectly operates both the indicating needle and an adjustable cam, which in turn triggers the micro-switch at any chosen setting of flow rate. Two switches can be supplied to provide high and low (or 'low-low') flow switching.

PRINCIPLE FEATURES & BENEFITS

- All metal construction - no tubes of glass or plastic to break.
- Spring loaded mechanical design - requires no straight pipe run and not affected by orientation.
- Limited movement on internal parts - minimal wear and down time.
- Modular design - reduces maintenance costs, down time, and production loss.
- Direct indication & field adjustable switch(es) - monitors critical flows and provides alarm(s).
- 1% of rate repeatable switch set point - accurate & reliable through all operation cycles.
- Weatherproof enclosure box to IP65.
- Flow through design - minimal pressure loss.
- Individually calibrated to customer specification - ensures accuracy.
- Adjustable under operating conditions.
- Scale is in units (e.g litres/minute).
- Large range of body materials available.
- Size range from 8mm (1/4") to 200mm (8").
- May be installed in any position.
- Orientation of enclosure box easily changed.
- High switch rating - 10 to 15 Amps.
- ATEX approved Explosion-proof models available.
- Will pass twice the maximum indicated flow.
- Acts as non-return valve.



Applications

Water (clean or dirty)
De-mineralised Water
De-ionized Water

Petroleum Based Oils
Synthetic Based Oils
Coolants

Solvents
Paints
Corrosive Fluids

Air & Gases

Low Flow / Piston Style Principle

A fixed tapered needle passing through an orifice in the face of a piston, completely seals the port to port connection when the piston is seated. As flow commences the piston is displaced against a 4 psi differential spring and moves over the tapered section of the needle, thus permitting flow through the orifice. Only the needle taper configuration needs to be changed to accommodate any specified viscosity and maximum flow requirement, thus the full deflection of the unit can be used for all applications.

PRINCIPLE FEATURES & BENEFITS

- Suitable for liquid or gas applications.
- Measures down to 200 cc/minute (at 1cS).
- Measures down to 50 cc/minute (at 20cS or higher).
- Maximum capacity 5 litres/minute.
- Electrical switch(es), and/or calibrated indication.
- 4-20mA and 0-10v outputs available.
- Cannot be switched on cold start-up.
- Suitable for 20, 50 and 200 bar maximum pressures.
- Inline design, 1/4" to 1" BSP or NPT female inlet and outlet.
- May be mounted in any orientation.



D. K. Instruments Pvt. Ltd.

76/2, Selimpur Road, Dhakuria, Kolkata - 700031, India. Tel: 033-24151310 Fax: 033-24152311 Email: dkinst@vsnl.net
www.dkstruments.com

Piston Type Flow Switch

General

DKI make compact type, magnetically actuated piston type flow switches are designed for positive detection of fluid flow through your equipment. FS series models provide adjustability over wide range. These are used in fluidlines carrying non-hazardous fluids like water, kerosene, very low viscosity lubricating oils, gas / air etc.

- Reed Switch : Hermetically Sealed
- Connector: DIN 43650 – PG – 9
- Protection Class : IP 65



FS-4S

Technical Data

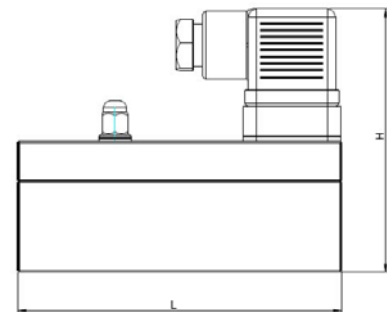
- Scale Tolerance – $\pm 5\%$ of full scale.
- Max. System Pressure – 10 Kg / cm²
- Temperature Range - 8° to 80° C
- Sensor Specifications – Hermetically Reed Switch
- Contact Rating* - 500 mA* / 1A 230 VAC 50 VA, 'NO' type contact
- Hysteresis – Depending on switch value, minimum 0.5 l / min.
- Available Port Sizes - 1/4" x 3/8", 1/2", 3/4", 1" BSP

Note: Fluid should very clean. Suspended particles may clog the flow switch which consequently affects the flow switch performance. Please take care of surge currents to avoid damage of Reed switch element. In such cases please apply R.C. (Resistor & Capacitor) network.

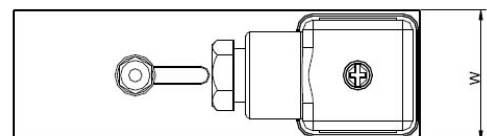
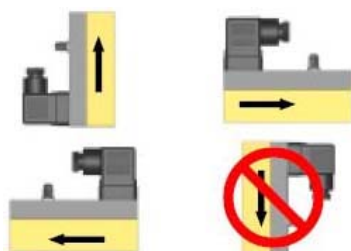
Line Size	Model No.	Recommended Max. Flow LPM of H2O	Adjustable Range		W Max. mm	H Max. mm	W Max. mm
1/4" – 8 mm	*FS- 2BAS/2BCAS/2BCAD...	10	0.4 – 4		22	78	85
3/8" – 10 mm	*FS- 3BAS/3BCAS/3BCAD...	20	0.4 – 4	1 – 10	22	78	75
1/2" – 12 mm	FS- 4BAS/4BCAS/4BCAD...	40	1 – 10	2 – 20	25	81	95
3/4" – 20 mm	FS- 5BAS/5BCAS/5BCAD...	60	3 – 30	4 – 40	40	96	116
1" – 25 mm	FS- 6BAS/6BCAS/6BCAD...	80	4 - 40	6 - 60	40	96	116

Material Composition

	Brass Version	SS Version
Housing :	Brass	304 SS
Float :	Brass	304 SS
Fittings :	Brass	304 SS



Mounting Instructions



Note: Flow Switch value may differ according to the type of installations.

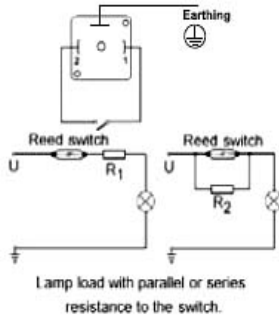
Electrical Installation

Maximum values of current and voltage must not be exceeded on the reed relay.

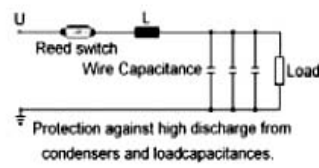
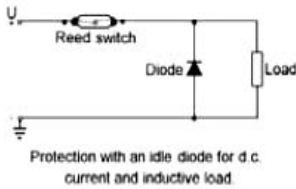
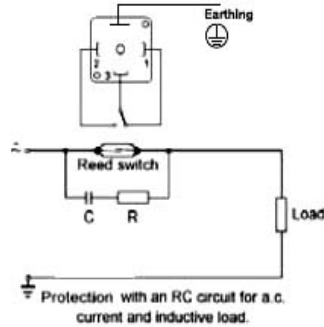
If driving inductive or capacitive loads, we recommend the use of a suitable isolation relay.

Electrical Connection

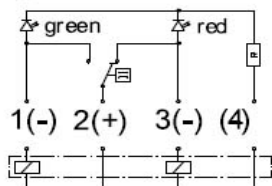
N/O Contact (SPST)



Changeover Contact (SPDT)



Wiring for 2 LED's



Important For Your Order

For placing order please fulfill following requirements.

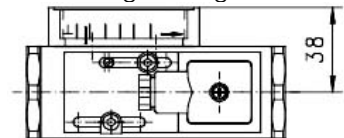
- System Pressure
- Desired Flow Range
- Fluid Temperature
- Fluid Characteristics (Physical & Chemical properties)
- In case of lub-oils, viscosity must be indicated.

Option

FS - 4SCADI2D Flow Switch with lateral flow metering

Adjustable range l/min H ₂ O	Metering range l/min H ₂ O
0.4 - 4	0.5 - 5
1 - 10	1 - 12
2 - 20	2 - 23
3 - 30	4 - 34
4 - 40	5 - 45
6 - 60	5 - 85

Metering range is indicated for horizontally increasing flc
Protection class IP 60, Additional weight 0.1 kg



BASIC MODEL EXAMPLE : FS - 3BCASID

LINE SIZE

2	1/4" BSP
3	3/8" BSP
4	1/2" BSP
5	3/4" BSP
6	1" BSP

M.O.C. WETTED PARTS

S	STAINLESS STEEL
B	BRASS

ELECTRICAL CONNECTION TYPE

C	DIN CONNECTOR
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Switch Setting

A	ADJUSTABLE	-	FIXED TYPE
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REED SWITCH TYPE

S	SPST	D	SPDT (CHANGE OVER)
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LED Indicator

I	Single LED (RED)	I2	Dual LED
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FLOW RATE INDICATION DIAL



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76/2, Selimpur Road, Dhakuria, Kolkata - 700 031.

Ph. No.: 91-33-2415 1310 / 2405 0944, Fax: 91-33-2415 2311.

E-mail: info@dkinstruments.com, Web Site: www.dkinstruments.com

Marketed By:

ROTA METER

The Rotameter is a simplest form of fluid measuring instrument. It consists of a borosilicate tapered glass tube placed vertically with its smaller diameter at the bottom. The float used in the tube is made up of heavier non-corrosive substance, which resists the vertical flow of the fluid passing through the annular space between the tube and the head of float. The fluid passing through the orifice, balances the weight of the float in the metered fluid and in equilibrium position, indicates the flow rate of the fluid against a calibrated external scale fitted by the side of the tube.



DESIGN FEATURES:

Range-ability	1 : 10
Construction type	Side Plate.
Scale	Detachable, direct reading.
Metering Tube	Tapered, borosilicate.
Interchangeability	Accepting with change of tube, floats and fluids.
Tube Sealing	Gasket compressed from out side or 'O' ring seal.
Piping Connection	Rota table 360° without disturbing the Instrument.
Enclosures	Weather and dust proof (IP-65 Type enclosures can also be provided on request).
Glass Tube Length	400 mm
Scale Length	275 mm Approx

MATERIALS OF CONSTRUCTION:

Metering Tube	Borosilicate Glass.
Float	316SS, Aluminum alloys, Teflon. Loaded Teflon, Hastalloy-C etc.
Contact Portion (Body)	Stainless Steel as standard. Brass can be provided on request. (For Threaded connection), M. S. Rubber lined and Teflon Lined.
Flanges	M.S., C. S. with M. S. Spool, 316SS and 304SS with S. S. Spool also be provided. with FLANGES
Side Plates	M. S. epoxy Powder Coated
Optional	Stainless Steel.
Packing	Nitrile, Rubber, Viton or Teflon.
Float Stops	Stainless Steel.
Safety Shielding	Transparent clear Plastic / Glass at Front and Back.
Optional	IP-65 Type enclosures.
Painting	Necessary components are epoxy powder coated to prevent from environmental corrosiveness.

ACCURACY

Accuracy of calibration for Standard Instruments is within $\pm 2\%$. Where higher accuracies are required, special calibration techniques are used to obtain accuracies within $\pm 1\%$. Repeatability is excellent



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E-mail: dkinst@vsnl.net, Web Site: www.dkstruments.com



SIGHT GLASS INDICATOR

The **Model SF-100** is a Flanged/Screwed Sight Flow Indicator with a cast/fabricated body. This sight flow indicator provides visual observation and monitoring of the process flow stream. Available devices to enhance visibility include, flapper and rotator. Bodies are available in Bronze, Iron, Steel and Stainless Steel. Special alloys are also available. Standard units are available in 150#, 300# and 600# ANSI ratings.



Features:

- ❑ Process Connection – Screwed or Flanged
- ❑ ANSI flange rating, 150#, 300# and 600#
- ❑ Available with Flapper and Rotator
- ❑ Dual Window units are available
- ❑ Standard Glass is Borosilicate



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Ph. No.: 91-33-2415 1310 / 2405 0944, Fax: 91-33-2415 2311.

E-mail: dkinst@vsnl.net, Web Site: www.dkstruments.com



PELTON WHEEL FLOW INDICATOR



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An ISO 9001:2008 Certified Company

76/2, Selimpur Road, Dhakuria, Kolkata – 700 031.

Ph. No.: 91-33-2415 1310 / 2405 0944, Fax: 91-33-2415 2311.

E-mail: info@dkinstruments.com, Web Site: www.dkinstruments.com

General

Dk make FI-PW series Sight Flow Indicators are simple in construction. These are suitable for transparent liquids and non hazardous gases . Rotor is provided to indicate positive flow indication through system.

Applications

Ideal to prove flow of coolant, lubricants, fuel lines, etc. on turbines, engines, compressors, and other large machinery. Great for monitoring filter efficiency, pump operation, and flow direction.

Technical Specifications

Body Material	Brass / Stainless Steel
Sight Window	Polycarbonate Tube
O-Ring	Silicon.
Rotor	Delrin® Plastic
Max. Temperature	212°F / 100°C
Max. Pressure	230 psig. / ~ 15 bar.
Pressure Drop	0.25 bar at max. Flow.



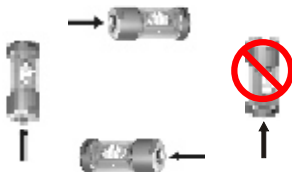
FI-15PW



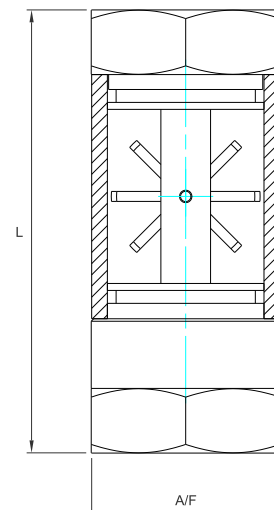
Technical Specifications

Line Size in Inches	Model No.	Minimum Flow Required to start rotation				Recommended Max. Flow in LPM	Height 'L' in mm	A/F 'W' in mm
		Water		Oil				
		1 Cst	40 Cst	114 Cst	150 Cst			
1/4"	FI-06-PW...	0.5	2.5	3.5	3.5	10	71	22
3/8"	FI-10-PW...	0.7	2.5	3.5	3.5	15	71	22
1/2"	FI-15-PW...	1.2	3.5	4	4	28	86	32
3/4"	FI-20-PW...	1.2	3.5	4	4	55	86	32
1"	FI-25-PW...	1.9	3.5	4	4	80	104	38
1 1/4"	FI-30-PW...	3.5	5	6	6	130	130	46
1 1/2"	FI-40-PW...	5	6	6	6	190	130	46

Mounting Instructions



Dimensions



Ordering Information

EXAMPLE : **FI - 10-PW-B**

BASIC MODEL

FI - 10 PW

LINE SIZE

06	1/4"BSP	10	3/8"BSP
15	1/2"BSP	20	3/4"BSP
25	1"BSP	30	1 1/4"BSP
40	1 1/2"BSP		

M.O.C. WETTED PARTS

S	Stainless Steel	B	Brass
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GFS

TYPE FLOW MONITOR FOR LIQUIDS



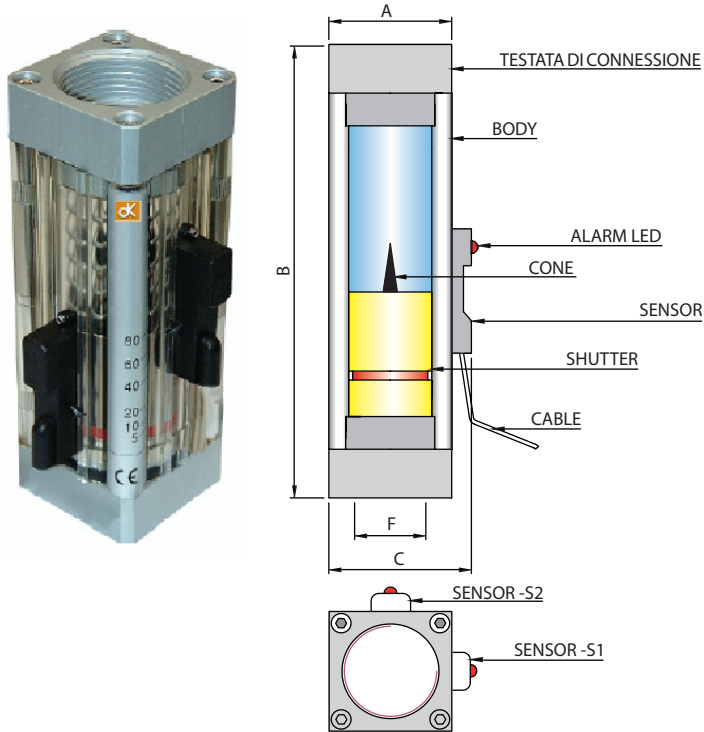
FLOWSWITCH

Accuracy and reliability to view and track the passage of fluids.



FLOW MONITOR - GFS

FLWSWITCH FOR LIQUID FLU/P



The Flow Switch GFS have high visibility on each side and a clear reading of the scale

Thanks to the **conformation of the cone**, at regular increases of flowrate match movements equally regular of the shutter (**linear progression**).

GFS series can be equipped with one or 2 alarm sensors at reed contact, possibly supplemented by red LED (green on demand) for a signaling field of the presence or absence of the flowrate predetermined.

Threaded connection head: anodized aluminum / brass / stainless steel

Threads available(F): from 1/4" to 1"1/2 bsp

Body material: Polycarbonate / Acrylic high resistance suitable for fluids as **water, oil**, but also diluents, trichlorethylene

O-Ring: NBR (Standard); on demand for appropriate quantities available other elastomers

Electric Sensors: SPST, SPDT

MODEL	LIQUID	F	FLOWRATE LITRES/MIN	MAX PRESSURE Bar	Material cone and shutter: PVC	A	B	C	Temperature Range: -20 ° C ... +80 ° C	ELECTRICAL CHARACTERISTICS SENSOR						
										SPST CONTACT	SPST CONTACT WITH LED	SPDT CONTACT				
FLU/P	WATER (H)	1/4" BSP	0,1 ... 7	30	Material cone and shutter: PVC	40 x 40	150	57		POWER COMMUTABLE IN D.C.	40 W		20 W			
		3/8" BSP	0,5 ... 12							POWER COMMUTABLE IN A.C.	40 VA		20 VA			
		1/2" BSP	1 ... 20							CURRENT STRENGTH IN A.C.	2.A		1.A			
		3/4" BSP	5 ... 24	25		55x 55	160	72		COMMUTABLE VOLTAGE	230 VDC / VAC	5/12 Vdc	150 VDC / VAC			
		1" BSP	10 ... 42							Standard cable length 1500 mm						
		1"1/4 BSP	20 ... 95													
	1"1/2 BSP	30 ... 120														
	OIL (O)	LIQUID	F	FLOWRATE LITRES/MIN	MAX PRESSURE Bar	Material cone and shutter: Nichel plated brass	40 x 40	150		57	CONNECTION					
											Common					
											N.C. in Absence					
							1" BSP	10 ... 35		25	55x 55	160	72	N.O. in Absence		
1"1/4 BSP	20 ... 80															
1"1/2 BSP	30 ... 100															

ORDER DIAGRAM GFS-

GFS 4 C 5-15 2 B S A L3000

CONNECTION			FLOWRATE
1	WATER	1/4" BSP	0,1...7
2	WATER	3/8" BSP	0,5...12
3	WATER	1/2" BSP	1...20
4	WATER	3/4" BSP	5...24
5	WATER	3/4" BSP	5...36
6	WATER	1" BSP	10...42
7	WATER	1"1/4 BSP	20...95
8	WATER	1"1/2 BSP	30...120
9	OIL (O)	1/4" BSP	0,1...6
10	OIL (O)	3/8" BSP	0,5...10
11	OIL (O)	1/2" BSP	1...16
12	OIL (O)	3/4" BSP	5...20
13	OIL (O)	3/4" BSP	5...30
14	OIL (O)	1" BSP	10...35
15	OIL (O)	1"1/4 BSP	20...80
16	OIL (O)	1"1/2 BSP	30...100

CABLE LENGTH SENSOR S2		
S	STANDARD	1500 mm
L	CUSTOMmm

TYPE OF CONTACT SENSOR S2	
A	SPST CH IN ABSENCE
B	SPST CH IN PRESENCE
C	SPDT
D	SPST CH IN ABSENCE GREEN LED
E	SPST CH IN ABSENCE RED LED
F	SPST CH IN PRESENCE GREEN LED
G	SPST CH IN PRESENCE RED LED

FLOWRATE	
S	STANDARD
C	CUSTOM (MIN-MAX)

TYPE OF CONTACT SENSOR S1	
A	SPST CH IN ABSENCE
B	SPST CH IN PRESENCE
C	SPDT
D	SPST CH IN ABSENCE GREEN LED
E	SPST CH IN ABSENCE RED LED
F	SPST CH IN PRESENCE GREEN LED
G	SPST CH IN PRESENCE RED LED

CABLE LENGTH SENSOR S1		
S	STANDARD	1500 mm
L	CUSTOMmm

SENSORS	
1	1 SENSOR
2	2 SENSOR