

FLOW SWITCH CUM INDICATOR



Application:

- 1) Bearing Lube Oil
- 2) Gear Box Lube oil
- 3) Machine Tool Coolants
- 4) Cooling Water Lines
- 5) Seal Water
- 6) Corrosive Fluids, etc.



Salient Features:

- 1) Spring loaded vane actuated by liquid flow is connected to a pointer that indicates a liquid flow reading on a graduated scale.
- 2) Switch set point adjustable.
- 3) Individually calibrated scale

Operation:

The pointer and switch are located in the switch housing. The fluid enters in at the inlet and moves against the spring-loaded vane. The vane shaft connected to the pointer rotates according to the amount of fluid advancing against the vane. The movement of the pointer indicates fluid flow. The vane shaft also operates a cam that activates a micro switch. The vane shaft connected between the switch cover and body are sealed with an "O" ring. The removal of the cover screws permits easy access for connecting to switch terminals or cam adjustments.

Installation:

Indicators may be installed in any position.

Flow Rate Information:

- 1) The High Flow Point is the flow rate that will give a full flow reading on the scale.
- 2) The Low Flow Point is that lowest flow that will move the flow indicator needle to indicate flow. A flow below this point is too low for the flow switch to indicate.
- 3) The switch setting is the flow at which the switch will actuate.

Principle Features & Benefits

- 1) Unique Concept of variable Area Orifice is incorporated
- 2) All metal construction – no tubes of glass or plastic to break.
- 3) Spring loaded mechanical design – requires no straight pipe run and not affected by orientation.
- 4) Limited movement on internal parts – minimal wear and down time.
- 5) Modular design – reduces maintenance costs, down time, and production loss.
- 6) Direct indication & field adjustable switches – monitors critical flows and provides alarms.
- 7) 1% of rate repeatable switch set point – accurate & reliable through all operation cycles.
- 8) Will pass twice the maximum indicated flow or range capacity up to 150%.
- 9) Individually calibrated to customer specification – ensures accuracy.
- 10) Flow through design – minimal pressure loss.
- 11) Weatherproof switch cover.
- 12) Orientation of enclosure box easily changed.
- 13) Adjustable under operating conditions.
- 14) Scale is in units (e.g. liters/minute).
- 15) Large range of body materials available.
- 16) Size range from 8mm (1/4") to 200mm (8").
- 17) May be installed in any position.
- 18) High switch rating – 5, 10 to 15 Amps.
- 19) Acts as non-return valve.
- 20) Certified "CE"



Ordering Code

CODE	TYPE & FLOW RANGE							
DKC*	CC	*PROVIDE FULL SCALE RANGE						
DKL*	LPM							
DKG*	GPM							
DKM*	M ³ / hr.							
CODE	MATERIAL OF CONSTRUCTION							
AL	ALUMINIUM	CI	CAST IRON					
CS	CARBON STEEL	SS	STAINLESS STEEL					
BR	BRONZE	OM	OTHER MATERIAL					
CODE	SERIES							
P	PISTON							
S	SMALL							
M	MEDIUM							
B	BIG							
CODE	PRESSURE RATING							
P1	≤ 20 BAR							
P2	OTHER PRESSURE							
CODE	TEMPERATURE RATING							
T1	-40°C to 100°C (BUNA SEALS)							
T2	-20°C TO 200°C (VITON SEALS)							
CODE	INDICATION OUTPUT							
PI	POINTER INDICATOR	Tx	4 – 20mA					
S1	1SPDT (1NO + 1NC)	LCD	Display					
S2	2SPDT (2NO + 2NC)	S	Special					
CODE	VISCOSITY							
	SPECIFY VALUE & UNITS (e.g. WATER=1cs)							
CODE	DIRECTION OF FLOW							
LR	LEFT TO RIGHT	TB	TOP TO BOTTOM					
RL	RIGHT TO LEFT	BT	BOTTOM TO TOP					
CODE	PROCESS CONNECTION							
8	SCREWED							
10	B = BSP							
15	N = NPT							
20	F = FLANGED							
25	W = WAFER							
32	For flanged or wafer add following code							
40	10, 16, 25 FOR DIN STANDARD							
50	150, 300 FOR ANSI B 16.5							
65	FD, FE, FF FOR BS 10							
80	T5, T17, etc. FOR IS 6392							
100	5K, 10K, 16K, 20K FOR JIS STANDARD etc.							
125								
150								
200								
DKL150	CS	M	P1	T1	S1	1cs	RL	32F150



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