

ADJUSTABLE FLOW MONITOR

For low cost monitoring of corrosive liquid flows

Key Features

Economical, Best for loss of flow detection, Normal flow to set point is 10:1 or greater.

Features

- Adjustable
- Confirms: Normal Flow Conditions
- Senses: High Flow or Low Flow Conditions
- Output: Switch Contact



Applications

- Machine Lubrication
- Process Flows
- Cooling Systems
- Water Treatment Systems

UL Recognized E75356 (SPST Only)

Operation

When flow is increased, the magnetic piston is forced against a bias spring. As the magnet comes near the adjustable reed switch it actuates, indicating proper flow. When flow decreases the spring forces the piston in the opposite direction deactuating the reed switch an indicating a reduced or no flow situation.

- Deactuation (decreasing flow) averages 40% less than actuation (increasing flow).
- Repeatability $\pm 2\%$
- Correction must be made for attitudes other than horizontal.
- Unit will pass greater flows.

Calibration Range

MODEL	ADJUSTABLE RANGE		FACTORY PRESET FOR DECREASING FLOW WATER LPM (GPM)*	INLET/OUTLET FNPT PORT INCHES
	INCREASING FLOW WATER LPM (GPM)			
LCA-250-P	0.38 - 15.1		-10 0.38 (0.10)	1/4
	(0.10 - 4.00)		-20 9.46 (2.50)	
			-30 11.46 (3.00)	
LCA-375-P	1.89 - 15.1		-10 1.89 (0.50)	3/8
	(0.50 - 4.00)		-20 9.46 (2.50)	
			-30 11.36 (3.50)	
LCA-500-P	1.89 - 37.9		-10 1.89 (0.50)	1/2
	(0.50 - 10.00)		-20 18.93 (5.00)	
			-30 28.39 (7.50)	
LCA-750-P	3.79 - 56.8		-10 3.79 (1.00)	3/4
	(1.00 - 15.00)		-20 18.93 (5.00)	
			-30 28.39 (7.50)	

*00 Available on all models - no setting

Pressure Loss Table

MODEL	WATER FLOW RATE LPM (GPM)	ΔP BARD (PSID)
LCA-250/375	Minimum	0.38 (0.10)
	Maximum	15.14 (4.0)
		0.34 (0.5)
LCA-500	Minimum	1.89 (0.5)
	Maximum	37.85 (10.0)
		0.689 (10.0)
LCA-750	Minimum	3.79 (1.0)
	Maximum	56.8 (15.0)
		0.10 (1.5)
		0.62 (9.0)

CTE
CHEM TEC