LIQUID FLOW SWITCHES

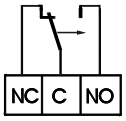
USE
-The flow switches are used to indicate, control and regulate the flow in a pipe; for controlling pumps, burners, compressors, alarm signals, motorized valves.
-They comply to Ministerial Decree 1/12/1975 *"Safety standards for equipment containing pressurized hot liquids" and Body R File R.2.C.6. "In heating systems with closed expansion vessel in which circulation is guaranteed by electropumps, the contribution of heat must be automatically cut off in the event of circulation pump shut-down".*

OPERATION AND INSTALLATION
-A flexible blade, moved by the flow, acts on the operating lever of a SPDT microswitch.
-It is installed on horizontal stretches of pipe, far from valves, elbows, drains or irregular flows.

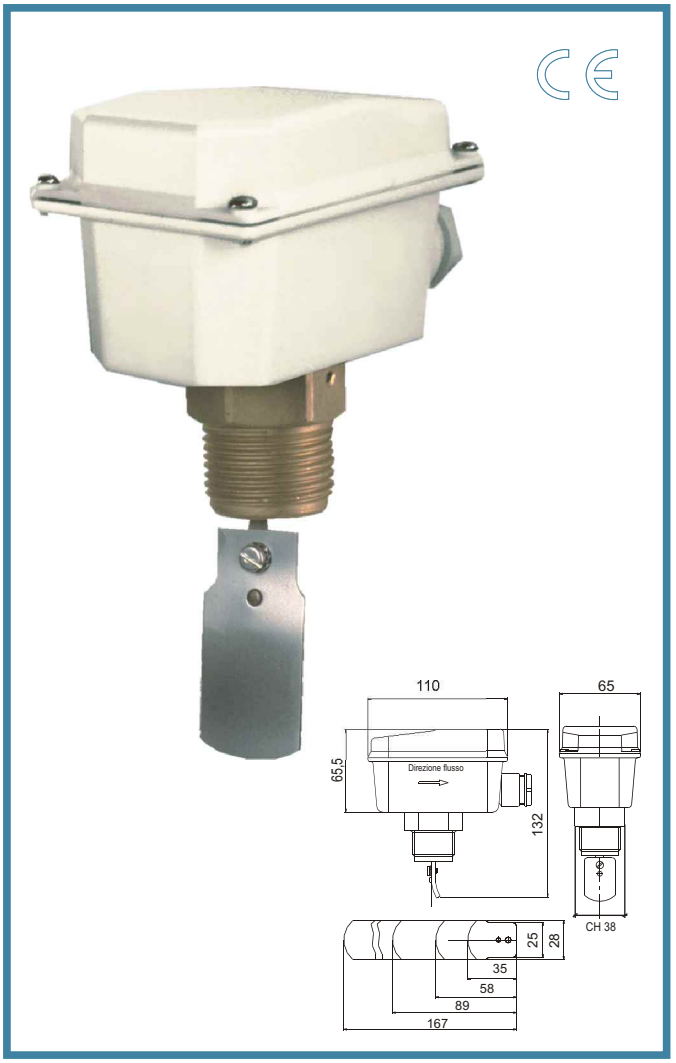
SPECIFICATIONS
-Casing in shock-proof thermoplastic AISI 301 stainless steel blades for pipes from G1" to G8"
-Direct fixing by threaded connection G1"
-Electric connections by female Faston 6.3 mm
-Earth connection
-Pg 16 Cable gland with concentric gasket.

STANDARDS AND APPROVALS
Complying to standards CEI EN 60947-5-1; CEI EN 60529

ELECTRIC SPECIFICATIONS
-SPDT microswitch INCREASING FLOW: breaks the contact C-NC and makes the contact C-NO
-DECREASING FLOW: makes the contact C-NC and breaks the contact C-NO



Rated insulation voltage	Ui 380V~		
Continuous duty rated current	Ith	10A	
Rated operating current	Ie: 220V-	250V~	
Resistive load	AC-12	-	16A
Inductive load	AC-15	-	6A
Direct current	DC-13	0,2A	-



TYPE	Pipe diameter	Blade length	Minimum regulation FLOW RATE (m3/h) with flow: increasing	decreasing	Maximum regulation FLOW RATE (m3/h) with flow: increasing	decreasing	Maximum operating pressure	Operating temperature °C	Max. ambient temp °C	Protection	Weight Kg	Box pcs N°
FF82	G1	35	1	0.5	2	1.9	10	-20 to 110	50	IP54	0.67	
	G1 1/4	35	1.2	0.7	2.9	2.7						
	G1 1/2	58	1.6	1	3.9	3.6						
	G2	58	2.9	2.1	6.1	5.7						
	G2 1/2	89	4	2.7	7	6.5						
	G3	89	6.1	4.3	11.4	10.7						
	G4	89	14.7	11.3	28.9	27.6						
	*	167	7.9	6.1	18.4	17.3						
	G5	89	28.3	22.8	55.5	53						
	*	167	12.8	9.2	26.7	25						
	G6	89	43	35.8	85	81.6						
	*	167	16.8	12.2	32.5	30.5						
	G8	89	85	72.4	172.3	165.5						
	*	167	46.4	38.5	94	90.7						

* These values are obtained by adding the longest blade