

GENERAL CHARACTERISTICS

The flow of the F-series have been designed to allow an easy flow control and a safe signal in the absence of flow. The electric part is physically separate from the mechanical and the actuation of the contact takes place magnetically. The electric head, in case of need, can be replaced without removing the instrument from its installation.

- Fixed set point
- Easy replacement of the electrical contact
- Low pressure drop
- Versions for vertical or horizontal operation
- Use of liquids and gases



GV	↑	Vertical mounting with flow direction from bottom to top
GO	→	Horizontal or vertical mounting with flow direction from bottom to top

AVAILABLE SET POINTS Tab.1

DN	Setting Code	GV							GO					Q max l/min
		l/min		Body - Piston			l/min		Body - Piston					
		On	Off	FO	FV	FS	On	Off	FO	FV	FS			
06 08 10 15	0,3	0,33	0,3	136 N	136 V	-							10	
	0,5	0,6	0,55	13 N	13 V	-							10	
	0,8	0,8	0,7	13 P	-	-	0,7	0,6	137 N	-	-		10	
	1	1,1	0,9	12 P	125 V	13 F	0,9	0,7	136 N	137 V	-		15	
	1,5	1,5	1,2	11 P	12 V	12 F	1,5	0,6	134 N	134 V	-		15	
	2	2,1	1,6	10 P	115 V	11 F	2	1	132 N	132 V	-		15	
	2,5	2,6	2	09 P	11 V	10 F	2,5	1,3	13 N	13 V	-		15	
	3	3,1	2,2	09 F	-	09 F	3,3	1,7	125 N	125 V	13 F		20	
	4	4	2,8	C11 B	-	115 S	4,1	2,5	116 P	123 V	12 F		20	
	5	5	3,4	112 B	-	-	5	2,5	12 N	12 V	-		20	
20 25 32	6	6,2	4,8	11 B	-	-	6	3,2	10 P	115 V	11 F		20	
	7						7,1	4	09 P	11 V	10 F		20	
	8						8,3	4,4	11 B	-	-		20	
	9						8,6	4,1	09 F	09 F	09 F		20	
5	5,2	3,4	235 N	235 V	-							60		
15	14,4	14	C21 B	-	-							70		
20	19,2	18,4	C22 S	-	C22 S							70		

DN	Thread	Parallel UNI 228/1	Setting tolerance	± 15%	ΔP (Q max.)	0,5 bar
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MATERIALS Tab.2

	Code	Description	P max bar	T max °C
Body	O	Nickel plated brass	150	110
	S	AISI 316	150	110
	V	PVC	10	60
Piston	B	Plated brass	-	-
	F	PVDF	-	-
	N	Nylon	-	-
	P	Polypropylene	-	-
	V	PVC	-	-
	S	AISI 316	-	-

ELECTRICAL DATA Tab.3

	NA - NC *	300Vca/Vcc-0,5A-70VA-50W	GV 06÷15
3	NA	300Vca/Vcc-0,5A-70VA-50W	GV 20÷32
	NA	300Vca/Vcc-0,5A-70VA-50W	GO 06÷15
7	SPDT	150Vca/Vcc-0,5A-20VA-20W	GV GO

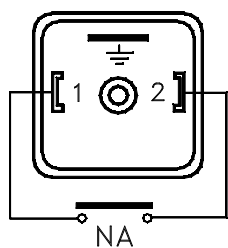
* Selectable by moving electric head NA ↔ NC
Only for DN06 - DN08 - DN10 - DN15 vertical mounting

Connection Plug - DIN 43650A

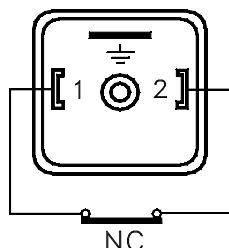
Protection IP65

WIRING

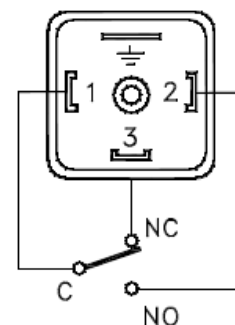
Tab.4



NA



NC

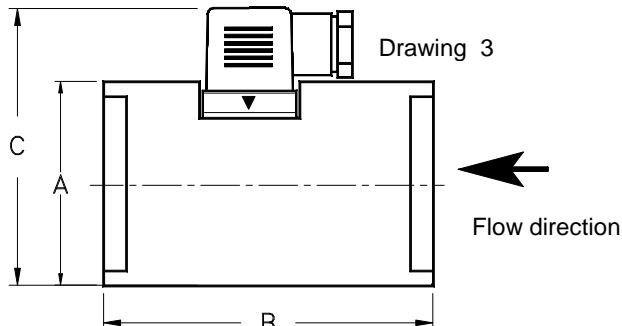
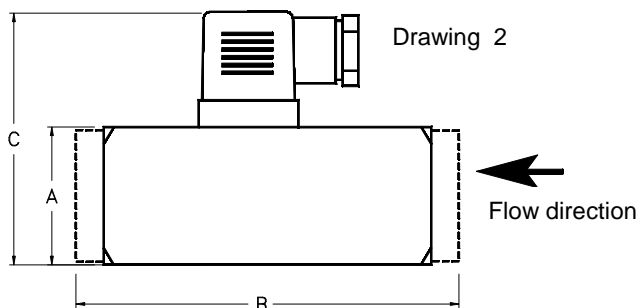
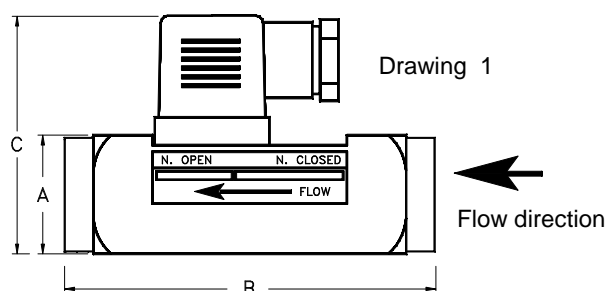


SPDT

DIMENSIONS AND WEIGHT

Tab.5

DN	Dimensions mm.			Kg	Drawing	
	A	B	C		GV	GO
06	30	93	63	0,55	1	2
08	30	93	63	0,55	1	2
10	30	93	63	0,55	1	2
15	30	79	63	0,5	1	2
20	40	110	74	0,85	2	-
25	40	95	74	0,8	2	-
32	60	95	80	1,4	3	-



MOUNTING

Carefully observe the flow direction shown by the arrow on the body of the switch.

In the case of vertical mounting the flow direction must always point upwards. Before installation, bleed the system to prevent any impurities interfere stagnant and / or block the internal piston. In the presence of impurities in the fluid is recommended for installation upstream of the flow of a filter in the magnetic trap (see bulletin of magnetic trap Filter ZV).

Always make sure that the switch is not mounted in direct contact with ferromagnetic surfaces that interfere with the proper functioning of the instrument.

NOMENCLATURE

F	V	1,5	15	GV	3	12V	IP65		
•									Name - Type
	•								Tab.1 Body material
		•							Tab.2 Setting code
			•						Tab.1-5 Process connections - DN
				•					Tab.1 Mounting
					•				Tab.3 Switch type
						•			Tab.1-2 Piston code and piston material
							•		Tab.3 Protection class