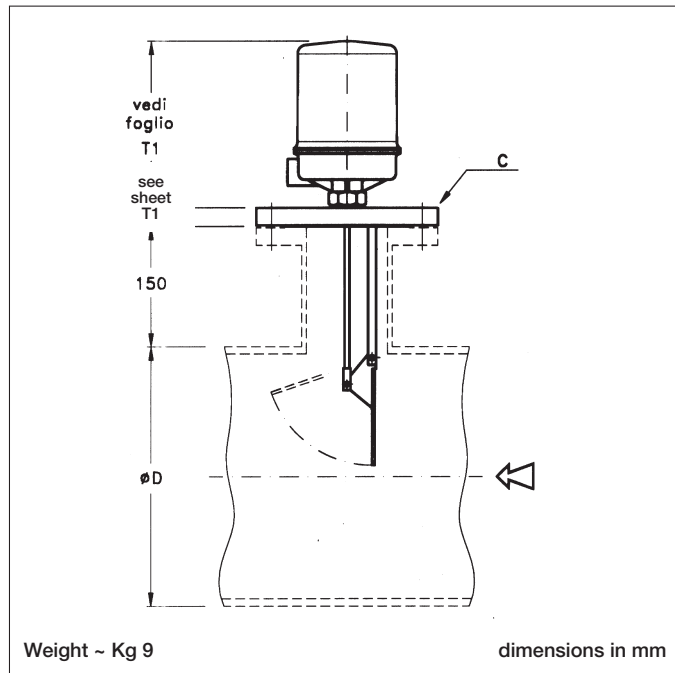


Paddle type flow switch for water, with max. or min. flow alarm, with a single switching unit, and with output on SPDT switch.

TECHNICAL DATA

- horizontal mounting
- single switching unit (on request, two SPDT switches with simultaneous action can be supplied)
- fixed set point
- fixed differential
- repeatability of set point $\pm 5\%$
- max. temperature 135°C
- pressure: see rating for flanges
- max. pressure drop 500 mm H₂O
- used for pipe of min. DN 100
- special versions made for air flow



CONNECTION "C"	MODEL	PIPE Sch.40 / SET m3/h						PIPE Sch.80 / SET m3/h						PIPE Sch.120 / SET m3/h						DIFFERENT.	FLUID	SET m/sec
		Ø D						Ø D						Ø D								
		3"	4"	6"	8"	10"	12"	3"	4"	6"	8"	10"	12"	3"	4"	6"	8"	10"	12"			
FLANGE UNI DN 80-100 / ANSI 3"-4"	RIV16011			7 40	12 70	18 110	26 156			6 36		16 93	25 151			9 57	15 90		25%	H ₂ O	0,1 0,6	
	RIV16012		12 27	27 60	46 105	73 165	104 234		11 24	24 54		62 140	101 227			38 35	60 135		20%	H ₂ O	0,4 0,9	
	RIV16013		12 30	27 67	46 116	73 183	104 260		11 27	24 61		62 156	101 252			38 94	60 150		20%	H ₂ O	0,4 1	
	RIV16014		33 80	74 181	128 314	201 494	286 702		29 72	67 163		171 421	277 680			104 254	165 404		20%	H ₂ O	1,1 2,7	
	RIV16015			268 470	465 813	732 1281	1040 1820			242 424		623 1091	1007 1763			377 659	599 1048		20%	AIR	4 7	
FLANGE UNI DN 50 / ANSI 2" THREAD GAS-M / NPT-M 2" - 3"	RIV16016		9 21	20 47	35 81	55 128	78 182		8 19	18 42		47 109	76 176			28 66	45 105		25%	H ₂ O	0,3 0,7	
	RIV16017	7 15	12 27	27 60	46 105	73 165	104 234	6 14	11 24	24 54		62 140	101 227			38 85	60 135		20%	H ₂ O	0,4 0,9	
	RIV16018	12 24	21 41	47 94	81 163	128 256	182 364	11 21	19 37	42 85		109 218	176 353			66 132	105 210		20%	H ₂ O	0,7 1,4	
	RIV16019		35 71	81 161	139 279	220 439	312 624		32 64	73 145		187 374	302 604			113 226	180 359		25%	H ₂ O	1,2 2,4	
	RIV16020			302 537	523 929	823 1464	1170 2079			272 484		701 1247	1133 2014			424 754	673 1197		20%	AIR	4,5 8	

CODE FOR:	Materials	Carbon steel	AISI 304	AISI 316
	Body	A	I	J
	Paddle and leverage	-	-	2

SWITCHES

Type	Mercury switch	Dry microswitch					Pneumatic switch*
Load rating	220 V a. c. 10 A 110 V d. c. 1,5 A	250 V a. c. 10 A 125 V d. c. 0,5 A	125 V d. c. 10 A	250 V a. c. 10 A 125 V d. c. 0,5 A waterproof	125 V a. c. 1 A 28 V d. c. 1 A waterproof with gold contacts	250 V a. c. 1A 24 V d.c. 3A sealed with inert gas	Output: 0 ÷ 40 psi max.
CODE	VD	M2	M3	M4	M6	M14	PNA (aluminium)

*Air inlet and output connection 1/4" NPT-F - No bleed type

ENCLOSURES

Type	Waterproof	Explosion-proof	The (WP) enclosures can be supplied whit gland or with a 3 or 7 pole connector as per MIL stand-ards. The (EP) enclosures can be supplied whit explosion-proof gland. 1) CESI certificate N. 02-ATEX-126
Material	Aluminium	Aluminium	
Electrical Connection	1/2" NPT-F/GAS 3/4" NPT-F/GAS ISO M20X1.5	1/2" UNI 6125/NPT-F 3/4" UNI 6125/NPT-F ISO M20X1.5	
Protection degree	IP 66	ATEX II 2 G Ex d IIC T6 o T5 Gb ATEX II 1/2 D Ex ta/tb IIIC T85° o T100° C Da/Db IP 66	
CODE	WP	EP	

HOW TO ORDER

Example: RIV160 11 - A - 2 - M2
- WP

RIV160 model

A body in carbon steel

2 paddle and internal leverage in AISI 316

M2 dry microswitch 250 V a.c. - 10 A

WP waterproof enclosure

The following data are required: temperature, pressure, working flow rate and required set point.