

Paddle flow controller CDP-P



- For clear liquids
- Body in PPO, paddle in polypropylene
- For pipes ND 25 up to ND 65
- Mounting: On tee, or on-line with BSP 1/2" thread

APPLICATIONS

The CDP-P is designed to control a flow-rate in water piping.

DESCRIPTION

A pallet mounted perpendicular to the flow, actuates a changeover switch.

MOUNTING

The threshold ranges listed are for water at 20 ° C with horizontal pipe. Mounting could be on a vertical pipe with ascending flow; Then, threshold value will be greater than the one of table. The pipe slope of a flowing down piping must be less than 40 %.

CODE NUMBER AND REFERENCE

Code	Reference	Description
710 500	CDP-P	Paddle flow controller, in PPO

TECHNICAL FEATURES

Materials	Body and fitting: PPO glass fiber reinforced; Seal: NBR Paddle: PP; Seal: Santoprene (Chemical resistance to Ozone; Other many disinfectants for water: On request)
Fitting	BSP 1/2"
Torque	7 N.m
Piping	From ND 25 up to ND 65
Temperature limits	Liquid: +5 ... +80 °C Ambient: +5 ... +50 °C
Pressure limit	1 MPa (PN 10) at 20 °C
Contact	Reed contact: N.O. without flow
Switching power	3 A / 250 V AC
Trigger point	See table, listed values ± 30 %
Connection	Cable (max. 50 °C): 3 0.75 mm ² ; Length: 2 m
Protection	IP 65

EC Conformity: The instrument meets the legal requirements of the current European Directives

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web www.bamo.eu

Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

**Paddle flow controller
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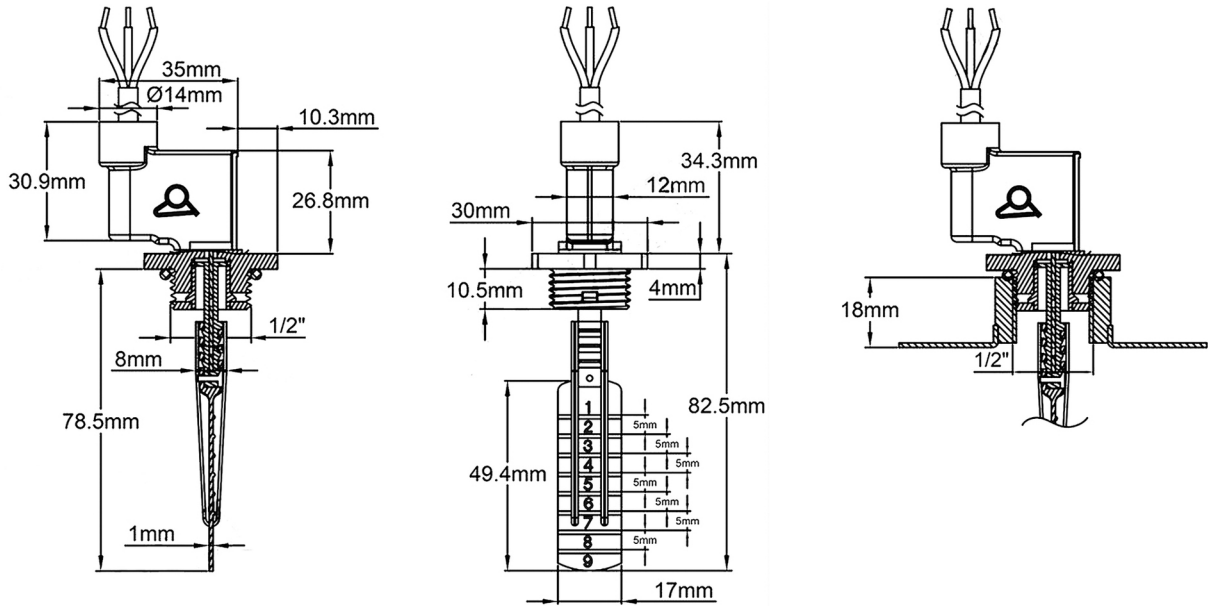
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DIMENSIONS



Trimnable paddle; one mark each 5 mm (9 segments)

TRIGGER POINTS

Average values of threshold ranges [l / min] according inner diameter [mm] of pipe.
Indicative values for water at 20 ° C

Paddle	Inner diameter of pipe [mm]									
	Ø 25		Ø 32		Ø 40		Ø 50		Ø 63	
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing
	[l / min]		[l / min]		[l / min]		[l / min]		[l / min]	
1	34	32	67	63	123	113	225	200	506	424
2	23	19	50	48	98	93	173	153	389	324
3			40	38	76	73	143	128	321	271
4					61	58	110	106	220	200
5					49	46	89	84	200	178
6							73	68	165	150
7							62	58	152	138
8									133	123
9									113	108

Closing contact With increasing flow (N.O. contact without flow)
Opening With decreasing flow (N.O. contact without flow)

(Flow-rate values are indicative: ±30 %)

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