

FLOW HEATER THPOV, THPOVR



THPOV - without regulation
THPOVR - with regulation

DESCRIPTION:

- flow heater THPOV without regulation, THPOVR with regulation
- connection material: stainless steel 17 248/1.4541

APPLICATION:

- food processing
- mechanical engineering
- power engineering
- heating industry
- pharmacy

TECHNICAL PARAMETERS:

- output: 1250, 2 400, 9000, 12000 W
 - DN 13 (connection thread G ½), DN 46 (connection thread G 6/4)
- regulatory range/ T fuse: 0-99°C/180°C
- power supply: 1 x 230/3 x 230 (400)V
 - protection: IP44

SPECIFICATION:

Flow heaters are in two versions: with regulation (THPOVR) and without regulation (THPOV).

Flow heater is designated for straight heating of liquid. For this is used innovative technology of printed heating element. This technology provides even heating of medium, when heat transfer is provided straight by flow heater coat. This way of heating provides distinctively better physical and chemical resistance in comparison with standard flow heaters. THPOVR version is equipped with control unit, which enables linear regulation of output heat.

THPOV version is designated for installation of system with external regulation. Both versions of flow heaters are equipped with thermal fuse, which protects heating element from overheating.

Output (W)	Power s. (V)	Outer diameter D	Inner diameter d	Connection thread	Material	Regulatory range / thermal fuse
1250	230	20	13	G 1/2"	SS 17248/1.4541	0-99°C / 180°C
2400	230	20	13			
9000	400	50	46	G 6/4"	SS 17248/1.4541	
12000	400	50	46			

• Dependence Δt on flow l/min

Flow Δt	1250 W DN13	2400 W DN13	9000 W DN46	12000 W DN46
10	2,5	5	16,5	22
12	1,9	3,8	12,2	16,2
15	1,5	3	10,8	12,2
20	1,1	2	7	9,7
25	0,9	1,8	5,7	7,6
30	0,75	1,5	4,8	6,4
35	0,6	1,2	3,8	5,1
40	0,4	0,8	2,6	3,4

Flow values go for medium - water, are stated in l/min.

• Order code: *example standard: THPOVR*
example atypical: THPOVR

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Version	Output	Material	Connection thread	Electrical connector



Type	Dimensions in mm				
	A	B	C	D	L
DN 13	85	90	G1/2"	50	470
DN 46	115	105	G6/4"	75	470