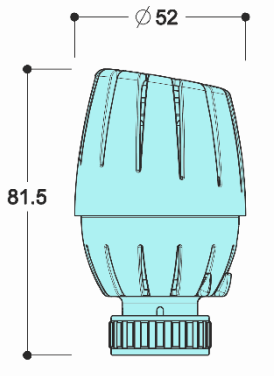
DESCRIPTION

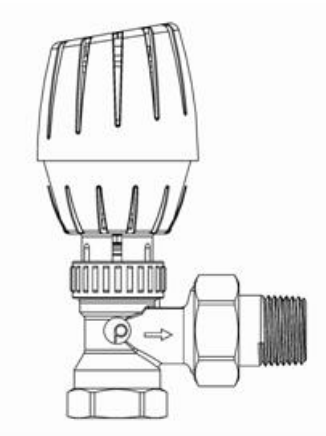
107L

"Oval" thermostatic head with liquid sensor incorporated with temperature locking device.
For all Pettinaroli thermostatic valves (M28 x 1,5)

Conform to EN 215 standard

DIMENSIONS





MATERIALS

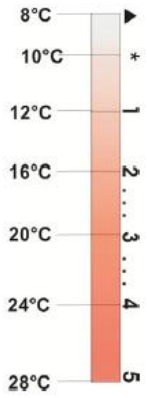
House parts	ABS
Thermostatic sensor	Liquid
Spring	AISI 302
Ring nut	CW614N (DIN 50930 part.6) CuZn39Pb3
Internal components	POM thermoplastic
Inner locking ring	PP plastic

FULL RANGE

106CN	Wax sensor
107L	Liquid sensor
107LHN	Liquid sensor, for Heimeier connection
107LR	Liquid sensor with anti theft device.
107LOD	Liquid sensor, for Danfoss connection or similar
107LD	Embedding remote liquid sensor, regulator incorporated
107LKIT	Embedding remote liquid sensor
107LCRO	107L chrome plated
108L	Liquid sensor – EN 215 n°49 certified
109L	Liquid sensor

STE0002 rev.06 13/04/2022

TECHNICAL DATA



The following technical details refer to the actuator mounted on 760P and 761P valves, DN15

Max. differential pressure	0.8 bar
Differential pressure influence (D)	0.25K
Liquid sensor hysteresis (C)	0.40K
Flow temperature influence (W)	0.75K
Response time (Z)	30 minutes
Nominal flow rate 760P (qmN)	155 Kg/h
Nominal flow rate 761P (qmN)	175 Kg/h
Max temperature	110°C
8°C min. setting of the temperature selector	▲
Variation Temporelle	0.6K

$$\Delta P = \left[\frac{Q}{Kv}\right]^2$$

$$Q = Kv * \sqrt{\Delta P}$$

Where

Q is the flow rate [m³/h]

Kv is the flow rate factor [m³/h]

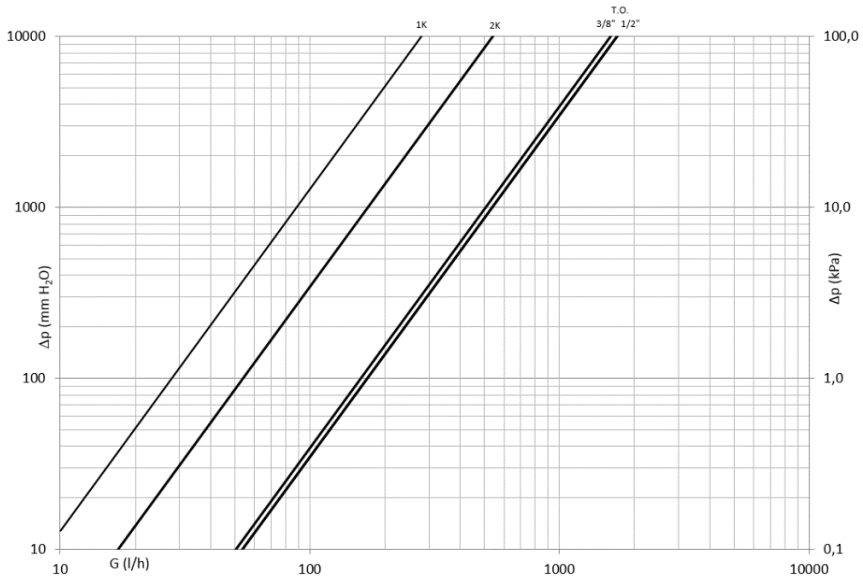
ΔP is the pressure drop across the valve [bar]

Angle

$$q_{mNH} = 155\ kg/h$$

$$a = 0.92$$

ΔT	**Kv**	
[°C]	**3/8"**	**½"**
1K	0.28	0.28
2K	0.54	0.54
T.O.	1.60	1.70



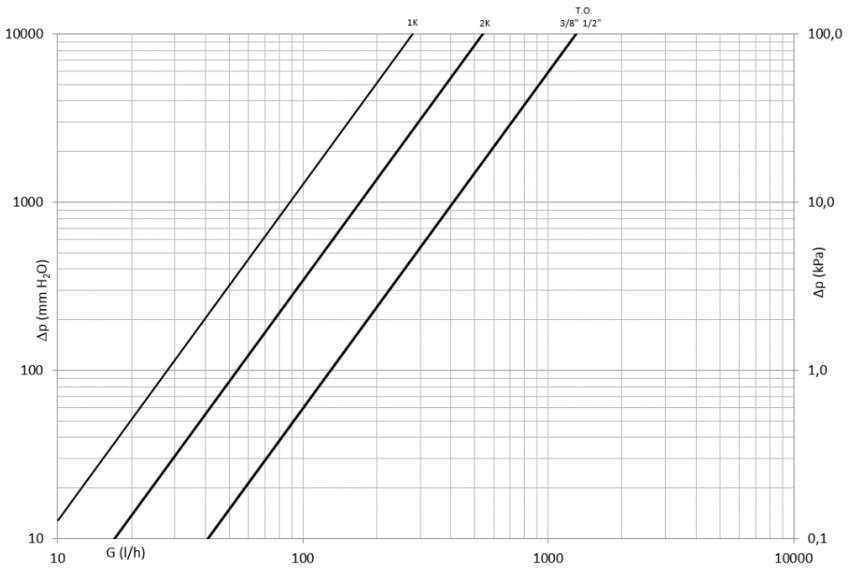
Straight

$$q_{mNH} = 175\ kg/h$$

$$a = 0.81$$

ΔT	**Kv**	
[°C]	**3/8"**	**½"**
1K	0.28	0.28
2K	0.54	0.54
T.O.	1.30	1.30

T.O.: Total Open



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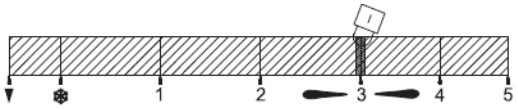
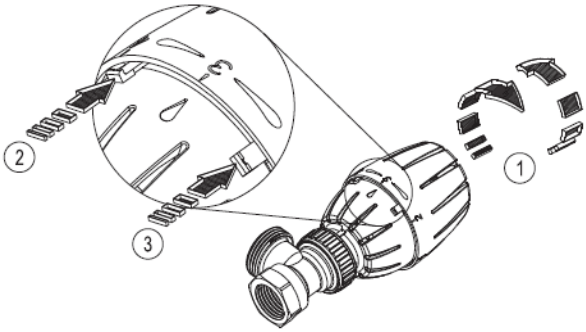
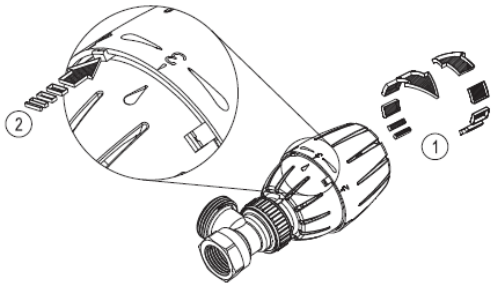
INSTALLATION

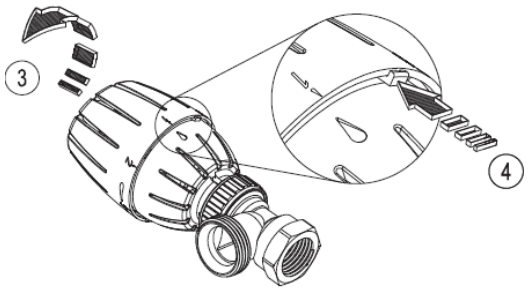




To block temperature to a prefixed value, follow the steps as shown in the figure:

1. turn the head into the desired position (1)
2. push the temperature locking devices under the handle (2 and 3)





To block temperature to a prefixed range, follow the steps as shown in the figure:

1. turn the head to the desired position for the maximum temperature (1)
2. push the first locking device under the handle (2)
3. turn the head to the desired position for the minimum temperature (3)
4. push the second temperature locking device under the handle (4)

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