THERMOSTATIC RADIATOR VALVES

Introduction

The inta i-therm range of thermostatic radiator valves are designed to be fitted in any orientation and with water flowing in either direction. Inta recommends that good working practice dictates that an automatic by pass valve be fitted to central heating systems that incorporate thermostatic radiator valves to prevent the pump pumping against a closed head as the valves begin to shut as the system gets to temperature.

Inta i-therm thermostatic radiator valves are available in 8, 10 & 15mm variants making them suitable for a wide range of systems. With a choice of both white and chrome heads, the i-therm thermostatic radiator valves will be unobtrusive wherever they're specified. Clever product design means that the i-therm adjustable thermostatic head doesn't collect and retain dust and dirt ensuring that it will continue to operate efficiently, and consistently, for years to come.

- Class A efficient thermostatic radiator valve*
- Keymark approved to EN 215*
- Liquid filled sensor
- Control range 0 - 30°C
- Anti dirt trap minimalistic design
- Frost protection setting
- Anti chatter cartridge
- Fully bi-directional
- Available in white and chrome
- Maximum working pressure 10 Bar
- Maximum flow temperature 110°C

Product Range

Code	Description
15TRVA	15mm angled thermostatic radiator valve
108TRVA	10/8mm angled thermostatic radiator valve
15TWINA	15mm angled thermostatic radiator valve with lockshield
108TWINA	10/8mm angled thermostatic radiator valve with lockshield
15TRVACP	15mm chrome angled thermostatic radiator valve
15TWINACP	15mm chrome angled thermostatic radiator valve with lockshield

028

COMPANY IDENTITY NUMBER - 43

*relates to white heads only

THERMOSTATIC RADIATOR VALVES

Technical Specification - 15mm Keymark approved valve

Thermostatic head true to quality standard EN 215		028
Minimum regulation calibration (anti-frost position)	$t_{\circ}$min	7°C (*)
Maximum regulation calibration (position)	$t_{\circ}$max	30°C (5)
Saving condition (position)		20°C (3)
Maximum exercise pressure	PN	1000 KPa
Maximum differential pressure	△P	100 KPa
Minimum nominal flow rate "qm N" (DP=0.1 Bar) angle-straight	q_mN	200-220 ltrs/h
Maximum exercise temperature		110°C
Maximum storage temperature		50°C
Hysteresis	C	0.4 K
Authority	a	0.9
Feedback	Z	25 min
Differential pressure influence	D	0.3 K
Water temperature influence	W	1 K
Thermostatic valve supplied with manual regulating wheel (turning)		60°≈1 K

Technical Specification - 10/8mm Keymark approved valve

Thermostatic head true to quality standard EN 215		028
Minimum regulation calibration (anti-frost position)	$t_{\circ}$min	7°C (*)
Maximum regulation calibration (position)	$t_{\circ}$max	30°C (5)
Saving condition (position)		20°C (3)
Maximum exercise pressure	PN	1000 KPa
Maximum differential pressure	△P	100 KPa
Minimum nominal flow rate "qm N" (DP=0.1 Bar) angle-straight	q_mN	210 ltrs/h
Maximum exercise temperature		110°C
Maximum storage temperature		50°C
Hysteresis	C	0.4 K
Authority	a	0.9
Feedback	Z	25 min
Differential pressure influence	D	0.3 K
Water temperature influence	W	1 K
Thermostatic valve supplied with manual regulating wheel (turning)		60°≈1 K

THERMOSTATIC RADIATOR VALVES

Technical Specification - 15mm valve

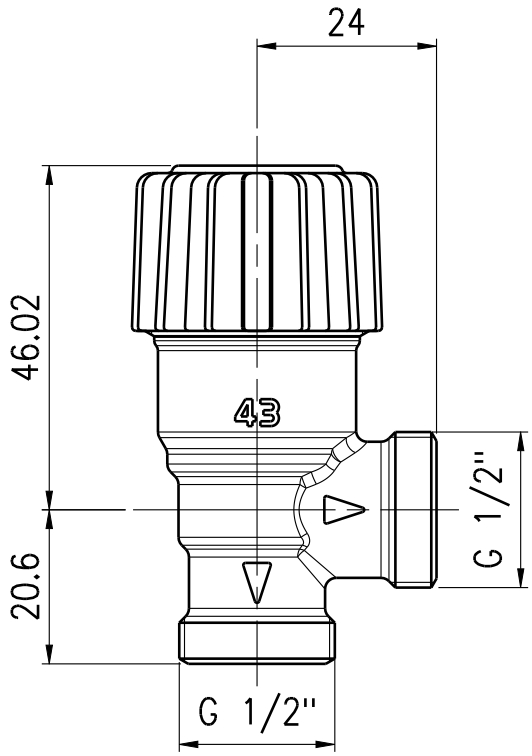
Minimum regulation calibration (anti-frost position)	$t_{\circ}$min	7°C (*)
Maximum regulation calibration (position)	$t_{\circ}$max	30°C (5)
Saving condition (position)		20°C (3)
Maximum exercise pressure	PN	1000 KPa
Maximum differential pressure	△P	100 KPa
Minimum nominal flow rate "qm N" (DP=0.1 Bar) angle-straight	q_mN	200-220 ltrs/h
Maximum exercise temperature		110°C
Maximum storage temperature		50°C
Hysteresis	C	0.4 K
Authority	a	0.9
Feedback	Z	25 min
Differential pressure influence	D	0.3 K
Thermostatic valve supplied with manual regulating wheel (turning)		60°≈1 K

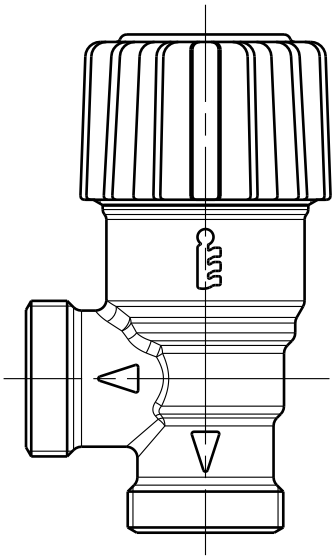
Technical Specification - 10/8mm valve

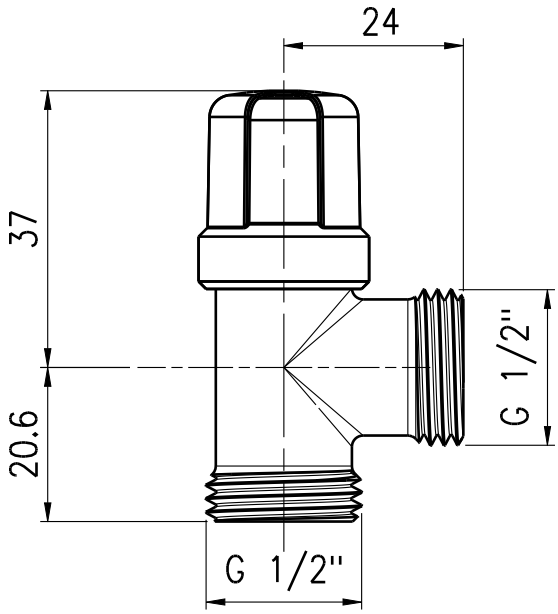
Minimum regulation calibration (anti-frost position)	$t_{\circ}$min	7°C (*)
Maximum regulation calibration (position)	$t_{\circ}$max	30°C (5)
Saving condition (position)		20°C (3)
Maximum exercise pressure	PN	1000 KPa
Maximum differential pressure	△P	100 KPa
Minimum nominal flow rate "qm N" (DP=0.1 Bar) angle-straight	q_mN	210 ltrs/h
Maximum exercise temperature		110°C
Maximum storage temperature		50°C
Hysteresis	C	0.4 K
Authority	a	0.9
Feedback	Z	25 min
Differential pressure influence	D	0.3 K
Thermostatic valve supplied with manual regulating wheel (turning)		60°≈1 K

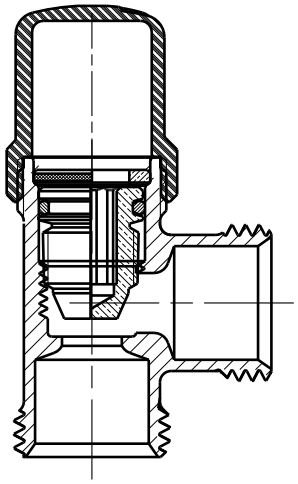
THERMOSTATIC RADIATOR VALVES

Dimensional drawing









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