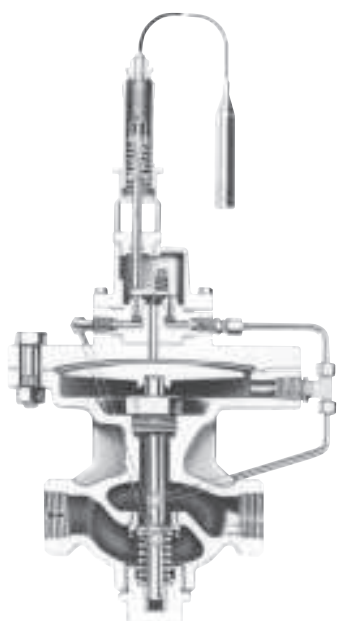




GT SERIES

GT SERIES EVENTEMP TEMPERATURE REGULATOR

SIZES 1/2" - 4"

PRESSURES to 150 PSIG at 366°F¹

- Storage Tank Heating and Cooling
- Steam or Liquid Service
- Liquid Filled Thermal Element
- Adjusting Sleeve
- Exclusive Spiroflex® Diaphragm for Smooth Operation
- Top and Bottom Guided
- Unaffected by Inlet Pressure Changes
- Large Internal Ports Minimize Clogging
- Easy Out Cage Trim on GTS Model

APPLICATION DATA

- Storage Heating
- Storage Cooling

VALVE RATINGS

Valve Ends ASME/ANSI	Pressure PSIG (bar)	Temperature ¹ °F (°C)
-------------------------	------------------------	-------------------------------------

CAST IRON

Class 125 NPT	125 (8.6)	@ 366 (186)
B16.1 Class 125 Flanged	125 (8.6)	@ 366 (186)
B16.1 Class 250 Flanged	150 (10.3)	@ 366 (186)

BRONZE

B16.1 Class 150 NPT	150 (10.3)	@ 366 (186)
B16.1 Class 300 Flanged	150 (10.3)	@ 366 (186)

CAST STEEL

B16.34 Class 150 NPT	150 (10.3)	@ 366 (186)
B16.34 Class 150 Flanged	150 (10.3)	@ 366 (186)

TEMPERATURE RANGES (°F)

20-120	70-120	120-220	150-200	220-270
50-250	70-170	120-170	170-220	270-370
50-400	100-150	170-270	220-320	

RATED FLOW COEFFICIENTS (Cv)

REGULATOR SIZE								
1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
3.65	6.08	10.9	15.0	21.3	25.1	35.8	55.8	74.3
5.67	10.0	15.7	21.9	29.1	29.1	65.7	84.6	103.0
3.4	5.6	11.7	17	28	30	45	64	90
5.3	9.2	16.9	24.8	38.3	41	82.6	97	124.8

MODELS

- **GTK**—Cast Iron, Heating, Steam Svc.
- **GTB**—Bronze, Heating, Steam Svc.
- **GTS**—Cast Steel, Heating, Steam Svc.
- **GTRK**—Cast Iron, Cooling, Liquid Svc.

OPTIONS

- Calibrated Dial
- Alternate Bulb Casings
- Armored Capillary

For Sizing Capacity Tables see Pages 42 & 51

GT SELECTION TABLE

Model	Size Range (Inches)	End Connection	Maximum Inlet Pressure PSI	
			Steam	Water
HEATING VALVES				
GTK	½ - 2	THD	5-150	-
	2½ - 4	125 ANSI FLG	5-125	-
	1½ - 4	250 ANSI FLG	5-150	-
GTB	½ - 2	THD	5-150	-
	1½ - 2	300 ANSI FLG	5-150	-
GTS	½ - 2	THD	5-150	-
	½ - 2	150 ANSI FLG	5-150	-
COOLING VALVE				
GTRK	½ - 2	THD	-	5-175
	2½ - 4	125 ANSI FLG	-	5-175
	1½ - 4	250 ANSI FLG	-	5-175

1. For temperatures above 366°F, consult factory.

GT SERIES EVENTEMP TEMPERATURE REGULATOR

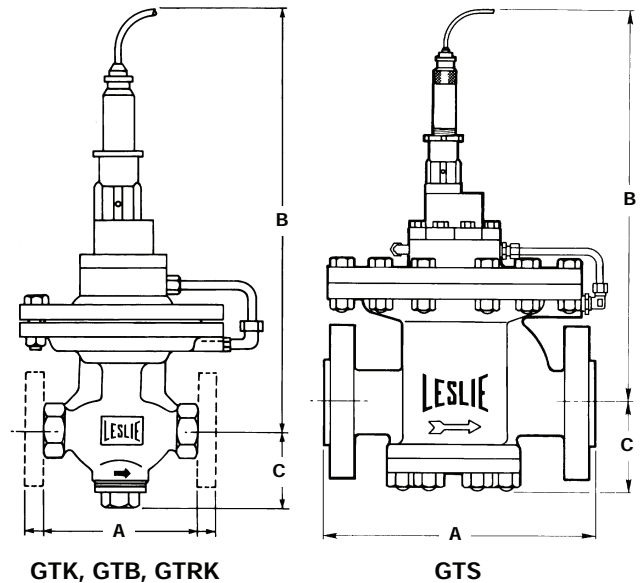
SPECIFICATIONS

The temperature regulator shall be self-contained with internal pilot and diaphragm-operated, single seated main valve. A two-ply metal diaphragm shall be free of bolt holes and shall be pre-formed with permanent spiral impressions for long travel and low unit stress.

The thermostatic system shall be a completely liquid-filled type consisting of a bulb and bellows unit of small size. A yielding spring shall prevent overstressing of the bellows for overrange temperatures up to 25% of range. The valve stem shall be sealed with a low-friction, single-ring seal requiring no adjustment. Easy replacement of the thermostatic element shall be possible without shutting off the process.

MATERIALS OF CONSTRUCTION

Body, Cast IronASTM A126 Cl. B
 Body, Cast BronzeASTM B61 UNS C92200
 Body, Cast SteelASTM A216 WCB
 Trim, GTK,GTB,GTRKSS w/Resilient Insert
 GTSSS w/Stellite®
 DiaphragmSpiroflex®
 Bulb Casing, stdBrass
 opt.316 SS
 opt.Monel
 Thermal Element, stdCopper
 opt.316 SS
 opt.Monel



DIMENSIONS inches (mm) AND WEIGHTS pounds (kg)

Size	A				B		C		Weights		
	Thd.	125# Flg.	250# Flg. all but GTS	250# Flg. GTS	GTK,GTB GTRK	GTS	GTK,GTB GTRK	GTS	GTK GTRK	GTB	GTS
½ (12)	6⅝ (156)	-	-	7⅞ (200)	15⅜ (402)	15¼ (387)	3¼ (83)	3⅝ (86)	40 (18)	40 (18)	45 (20)
¾ (19)	6½ (165)	-	-	7¼ (184)	15⅜ (402)	15¼ (387)	3⅝ (86)	3⅝ (86)	41 (19)	41 (19)	50 (23)
1 (25)	7¼ (184)	-	-	7¼ (184)	15⅞ (403)	15⅝ (397)	3⅞ (98)	3⅞ (79)	43 (20)	43 (20)	55 (25)
1¼ (32)	7⅞ (194)	-	-	8¾ (222)	16⅞ (417)	16⅞ (410)	4¼ (108)	3½ (89)	65 (30)	65 (30)	-
1½ (38)	8½ (216)	-	10½ (267)	10 (254)	16⅞ (421)	16⅝ (422)	4⅝ (111)	3¾ (95)	80 (35)	80 (35)	65 (30)
2 (51)	8½ (216)	-	10½ (267)	-	16⅞ (421)	-	4⅝ (111)	-	80 (35)	80 (35)	70 (32)
2½ (64)	-	10⅞ (276)	11½ (292)	-	18⅞ (460)	-	5½ (140)	-	200 (91)	-	-
3 (76)	-	11¾ (298)	12½ (318)	-	19 (483)	-	6¼ (159)	-	225 (102)	-	-
4 (100)	-	13⅞ (352)	14½ (368)	-	20⅞ (511)	-	7⅞ (200)	-	266 (121)	-	-