



TYPE T14 TEMPERATURE PILOT

APPLICATION DATA

- Storage Heaters
- Jacketed Kettles
- Vats

RATINGS (Maximum Inlet Conditions)

Construction	Pressure PSIG (bar)	Temperature °F (°C)
Cast Iron	250 (17.2) @	450 (232)
Cast Steel	600 (41.4) @	750 (400)

TEMPERATURE RANGES (°F)

20-120	150-300	300-400
50-150	170-270	330-430
70-170	250-350	400-500
120-220	290-390	

Canadian Registration # OC 0591.9C

SIZING INFO
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TYPE T14

VAPOR TENSION TEMPERATURE PILOT

CONTROLS 20 to 500°F

- Precise, Rapid Response
- Spring Operated
- Self Contained
- Normally Open, Direct Operation (Heating)
- Packless Construction
- Fluid, Gas and Vapor Applications
- Strainer Screen Built-in
- Easy in-line Maintenance

OPTIONS See page 87

- Stainless Steel Flexible Tubing
- Stainless Steel Capillary Tubing
- Tubing longer than 10'
- Thermostat Well
- Dial Thermometer
- Integral Mount
- Thermostat other than #700 (see Options Section)

THERMOSTATS See page 86

700	706	731
701	708	732
702	711	740
703	712	
704	713	

TYPICAL CONFIGURATIONS

- TEMPERATURE REGULATINGET14
- TEMPERATURE & PRESSUREET14D
- TEMPERATURE REGULATINGE2T14
- TEMPERATURE & PRESSUREE2T14D
- TEMPERATURE REGULATINGE5T14
- TEMPERATURE & PRESSUREE5T14D

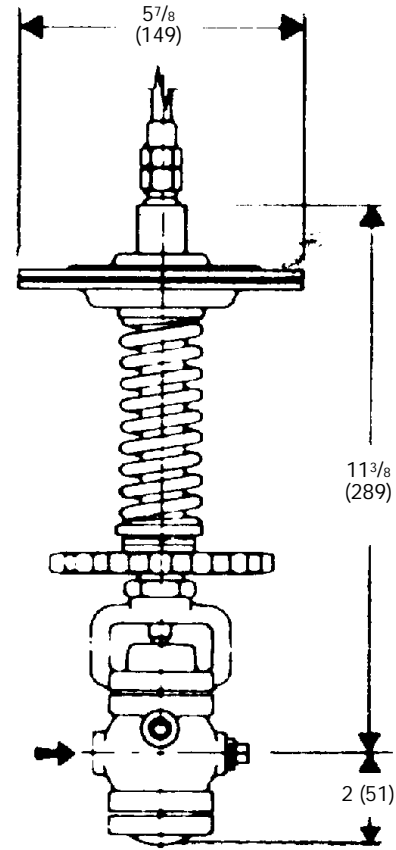
TYPE T14 VAPOR TENSION TEMPERATURE PILOT

SPECIFICATION

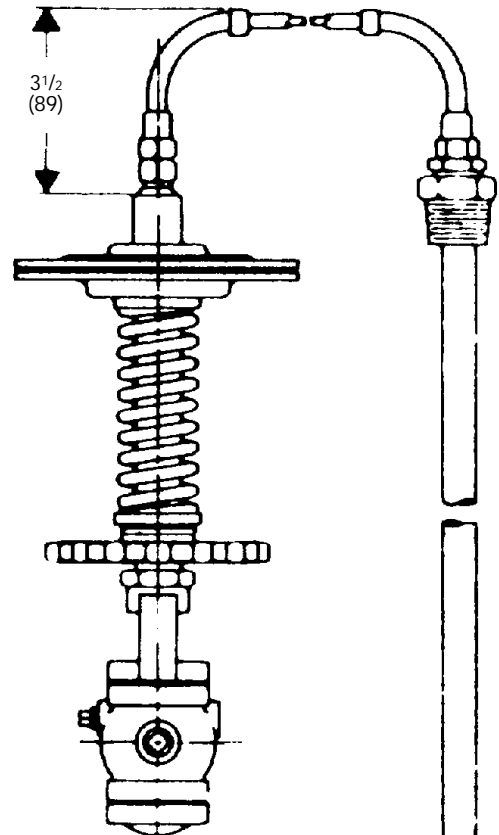
Pilot valve shall be separate from the main valve and connected to it by unions. Pilot seats shall be protected by built-in strainer screens. Pilot shall be interchangeable on all sizes of main valves. Thermal elements shall provide a 100°F (38°C) range of temperature adjustment and shall withstand 100°F overheating without damage. Handwheel adjustment for temperature shall be standard. Unless otherwise scheduled, thermal elements shall be equipped with 10 feet of brass flexible tubing. Number 700 bronze bulb, Number 728 bronze well shall be supplied for storage tank applications. Steel wells shall be supplied for fuel oil service.

MATERIALS OF CONSTRUCTION

Body, Cast Iron	ASTM A126 CI B
Body, Cast Steel	ASTM A216 GR. WCB
Stem	2024-T4 ASTM B211-75
Disc	440 St. St. ASTM A276-75 COND A
Seat	420 St. St. ASTM A276 COND A
Gasket	Graphite
Diaphragm	Bronze ASTM B103-77 UNS C51000
Spring	Steel



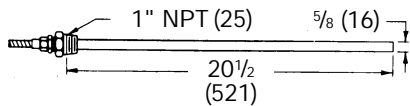
TYPE T14 TEMPERATURE PILOT
13 LBS. (6 KG)



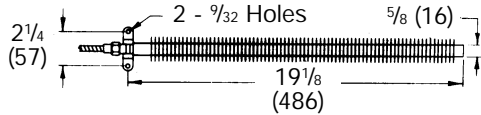
TYPE T14
TEMPERATURE PILOT

THERMOSTAT BULBS

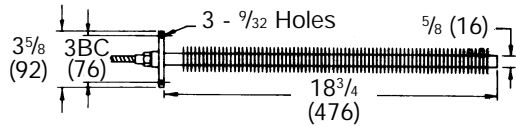
FOR USE WITH T14, T124, T134, T52 PILOTS



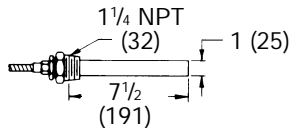
STYLE NO. 700 -Plain Bulb with 1" Union Connection.



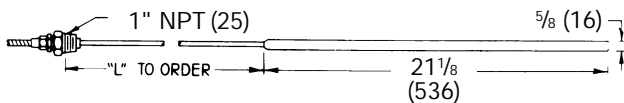
STYLE NO. 702-Finned Bulb with Wall Mounting Bracket. For space heating.



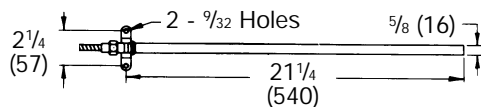
STYLE NO. 703-Finned Bulb with Duct Mounting Flange. For forced warm air heating.



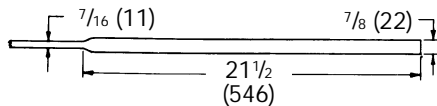
STYLE NO. 704-Plain Short Bulb with 1-1/4" Union Connection. For installations where depth is limited.



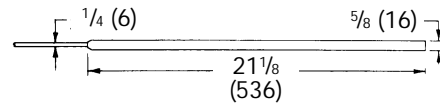
STYLE NO. 706-Plain Bulb with 1" Union Connection and 1/4" OD Bendable Extension. Dimension "L" must be specified.



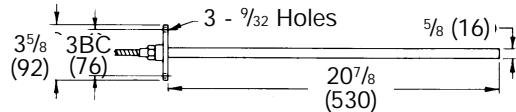
STYLE NO. 708-Plain Bulb with Wall Mounting Bracket. Used for space heating when dust is a problem.



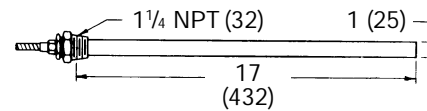
STYLE NO. 711-Bulb Lead Covered. Chemical lead covering homogeneously bonded to bulb and to lead sheathing on capillary.



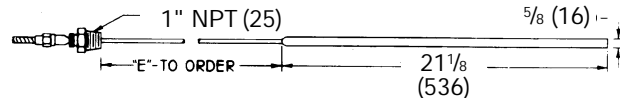
STYLE NO. 712-Plain Bulb with 1/4" OD Bendable Tubing Cover for Capillary. Used in open tanks or where a mounting connection is not required.



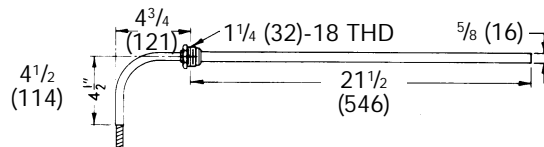
STYLE NO. 713-Plain Bulb with Duct Mounting Flange. For forced warm air heating when dust is a problem.



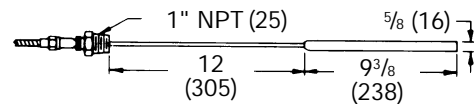
STYLE NO. 701-Large Plain Bulb with 1-1/4" Union Connection. Used on pilots having more than 30 feet of flexible tubing and with dial thermometer having 20 to 120°F range.



STYLE NO. 731-Plain Bulb with Adjustable Extension. Used in oil storage tanks or wherever it is desirable to change position of bulb. Dimension "E" must be specified.

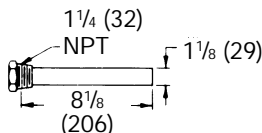


STYLE NO. 740-Sanitary Bulb for Milk Heaters. Threaded to fit standard No. 23A Thermometer Ferrule. Stainless Steel Bulb and Flexible Tubing.

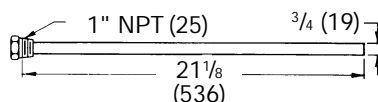


STYLE NO. 732-Special Bulb with 12" Adjustable Extension.

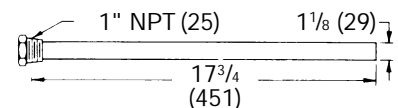
THERMOSTAT WELLS



727 WELL-Used with 704 Bulb



728 WELL-Used with 700 and 800 Bulb



729 WELL-Used with 701 and 801 Bulb

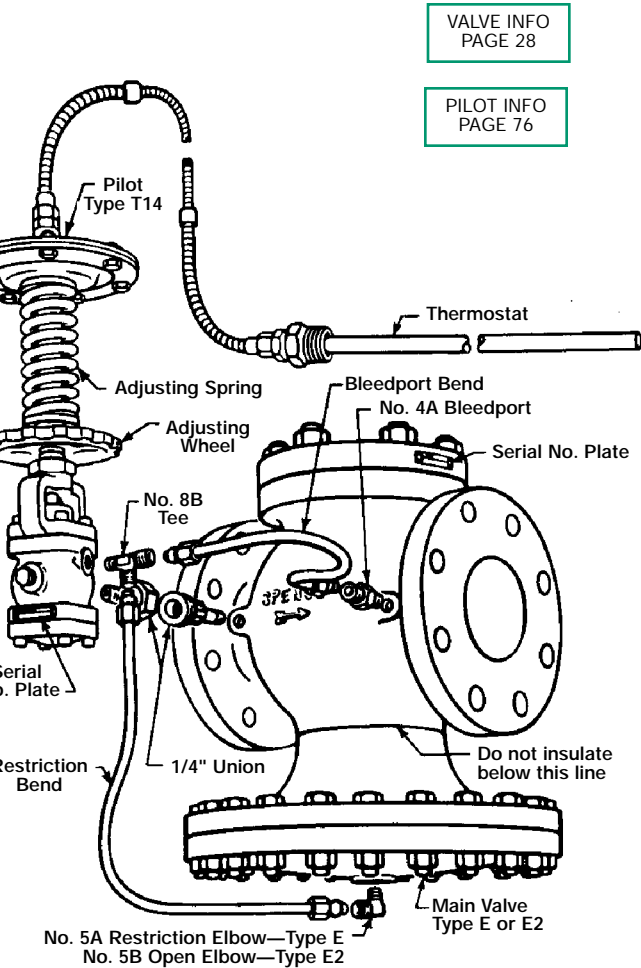
TYPE ET14 TEMPERATURE REGULATOR

CAST IRON or STEEL
CONTROLS 20 to 500°F

APPLICATION DATA

- Temperature Regulation for Batch Process
- Storage Heaters (Water, Fuel Oil or Chemical)
- Air Heating

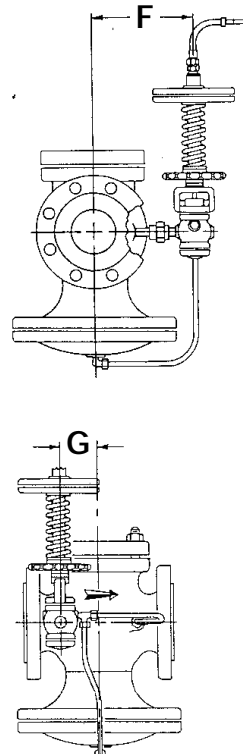
TYPE ET14 TEMPERATURE REGULATOR



VALVE INFO
PAGE 28

PILOT INFO
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DIMENSIONS inches (mm)



SIZE	F	G
3/8 (10)	5 3/8 (136)	1 1/4 (32)
1/2 (15)	5 3/8 (136)	1 1/4 (32)
3/4 (20)	5 5/8 (143)	1 3/8 (35)
1 (25)	5 3/4 (146)	1 1/2 (38)
1 1/4 (32)	6 (152)	1 7/8 (48)
1 1/2 (40)	6 1/4 (159)	2 (51)
2 (50)	6 5/8 (168)	2 1/8 (54)
2 1/2 (65)	6 3/4 (171)	2 3/8 (60)
3 (80)	7 1/4 (184)	2 3/4 (70)
4 (100)	8 (203)	3 1/2 (89)
5 (125)	9 (229)	3 1/2 (89)
6 (150)	9 7/8 (251)	4 (102)
8 (200)	10 1/2 (267)	6 1/4 (159)
10 (250)	12 1/2 (318)	6 (152)
12 (300)	14 (356)	8 1/2 (216)

Valve is tapped so that Pilot may be mounted on either side.