

JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:

Inlet Pressure: _____ psig(bar)
 Outlet Pressure: _____ psig(bar)
 Flow Rate: Steam _____ lb/hr(kg/hr)
 Flow Rate: Water _____ gpm(lpm)
 Temperature Range: _____ °F (°C)

Hoffman Specialty® Series 1140 and 1141 Thermostatic Self-Actuated Temperature Regulators

Dimensions in. (mm)

Body Type	NPT Size in.	A	B	C	D
Union Ends	1/2	4-7/8 (124)	2 (51)	8-13/16 (224)	4-5/6 (110)
	3/4	5-3/8 (136)	2-3/16 (56)	9 (229)	4-5/16 (110)
	1	5-7/8 (149)	2-5/16 (59)	9-1/8 (232)	4-5/16 (110)
	1-1/4	6-7/8 (175)	2-5/8 (67)	9-7/16 (240)	4-5/16 (110)
	1-1/2	7-1/2 (190)	2-13/16 (72)	9-5/8 (245)	4-5/16 (110)
Flanged 05 05R	2	8-1/2 (216)	3-13/16 (97)	10 (254)	4-5/16 (110)
	2-1/2	7-5/8 (124)	4-9/16 (116)	16-5/8 (422)	6-3/8 (162)
	3	8-3/4 (222)	5-1/4 (133)	16-7/8 (428)	6-3/8 (162)
Flanged 06	4	10-1/4 (260)	5-7/8 (149)	17-3/8 (441)	6-3/8 (162)
	2-1/2	9 (229)	5 (127)	16-3/8 (416)	6-3/8 (162)
	3	9-1/2 (241)	5-1/4 (133)	16-3/4 (425)	6-3/8 (162)
	4	10-1/4 (260)	6-1/2 (165)	16-1/8 (410)	6-3/8 (162)

**Series 1140
Bulb Size, Dimensions in. (mm)**

Valve Size in. (mm)	E	F	G
1/2-2 (15-50) Copper Bulb	7/8 (22)	18 (457)	1
2-1/2-4 (65-100) Copper Bulb	1-1/8 (29)	36 (914)	1-1/4

Series 1141

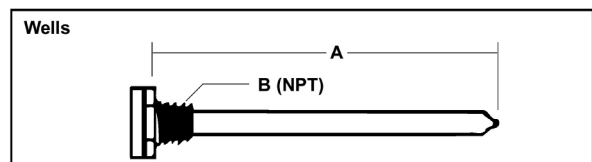
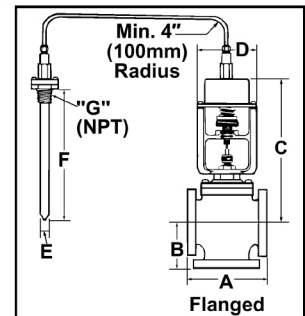
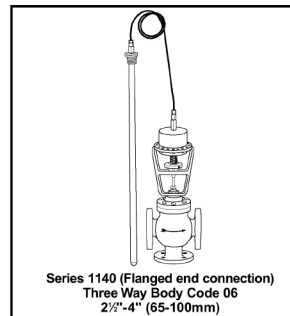
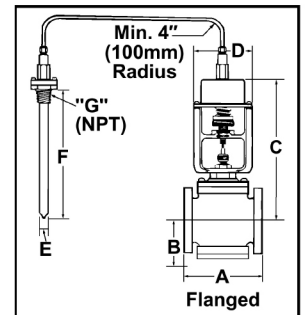
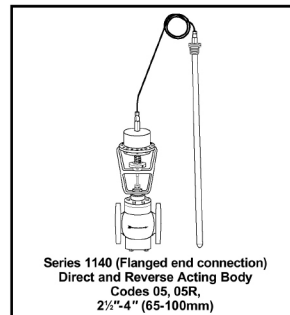
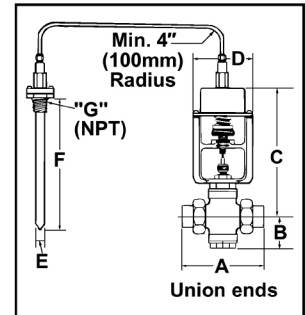
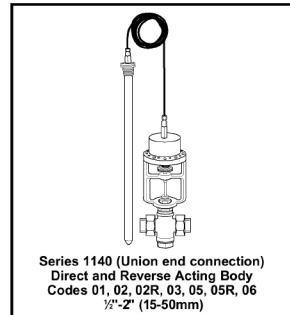
1/2-2 (15-50) Copper Bulb	5/8 (16)	11 (280)	1
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**Series 1140
Wells, Dimensions in. (mm)**

Series 1140 Wells, Dimensions in. (mm)		
Regulator Bulb Size in. (mm)	A	B
7/8x18 (22x457)	18-1/2 (470)	1
1-1/8x36 (102x915)	36-1/2 (927)	1-1/4

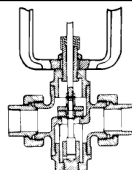
Series 1141

5/8x11 (16x280)	11-1/2 (292)	1
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BODY STYLES AVAILABLE

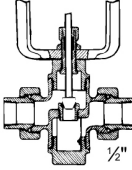
DIRECT ACTING A rise in temperature closes the valve.



Body Code 01

- Steam or Water Service — for Positive dead end service
- Single Seat, Composition Disc, Brass Trim — Brass integral seat
- Union ends

FLOW



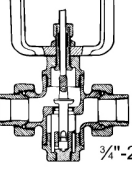
Body Code 02

- Steam or Water Service — Used for dead end shut-off where higher temperatures and pressures prevail
- Stainless Steel Single Seat and Trim — 1/2" — Removable stainless steel seat and cone disc
- 3/4"-2" — Integral stainless steel seat ring and bottom guided stainless steel seat disc
- Union ends

1/2" NPT

FLOW

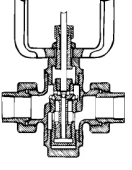
3/4"-2" NPT



Body Code 03

- Steam Service Only — Used for dead end service
- Stainless Steel Balanced Single Seat and Trim — Removable seat, disc, and balancing piston
- Union ends

FLOW



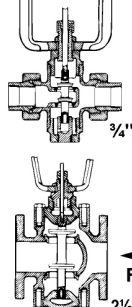
Body Code 05

- Steam or Water Service — for high pressure and/or high capacity
- Stainless Steel Double Seat and Trim — Trim consists of seat rings and center guided plunger
- Allowable Leakage Rate 1%
- 3/4"-2" NPT - Union Ends - Brass Body
- 2 1/2"-4" Flange - 125 lb Flange - Iron body

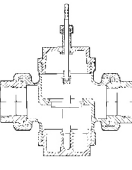
3/4"-2" NPT

FLOW

2 1/2"-4" Flange



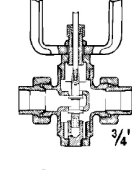
REVERSE ACTING A rise in temperature opens the valve.



Body Code 02R

- Steam or Water Service — Used for general cooling service where dead end shut-off is required
- Stainless Steel Single Seat and Trim — Trim consists of seat ring and bottom guided disc
- Union ends

FLOW



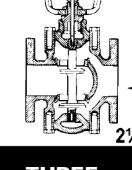
Body Code 05R

- Steam or Water Service —
- Stainless Steel Double Seat and Trim — Trim consists of center guided plunger
- 3/4"-2" NPT - Union ends - Brass body
- 2 1/2"-4" Flange - 125 lb Flange - Iron body

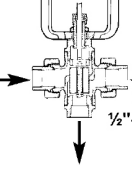
3/4"-2" NPT

FLOW

2 1/2"-4" Flange



THREE WAY Mixes hot and cold liquids to deliver a predetermined temperature. This action may also be used to divert the flow of liquids.



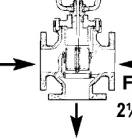
Body Code 06

- Water Service Only —
- Nickel Plated Piston, Brass Trim — Trim consists of sliding piston and brass seating surfaces
- 1/2"-2" NPT - Union ends - Brass body
- 2 1/2"-4" Flange - 125 lb Flange - Iron Body

1/2"-2" NPT

FLOW

2 1/2"-4" Flange



Differential Pressure Ratings

Body Code	Size in.	Maximum Differential Pressure psig (bar)
01	1/2-3/4	50 (3.5)
02 & 02R	1/2	125 (8.6)
02 & 02R	3/4	60 (4.1)
01 & 02 & 02R	1	32 (2.2)
01 & 02 & 02R	1-1/4	20 (1.4)
01 & 02 & 02R	1-1/2	16 (1.1)
01 & 02 & 02R	2	8 (.55)
03 & 05 & 05R	3/4	250 (17.3)
03 & 05	1-1-1/2	200 (13.8)
03 & 05	2	150 (10.3)
05R	1-2	200 (13.8)
05 & 05R	2-1/2-4	125 (8.6)
06	1/2-3/4	250 (17.3)
06	1-2	200 (13.8)
06	2-1/2-4	125 (8.6)

Materials of Construction

Part	Specifications 1/2"-2"	Specifications 2-1/2"-4"
Body	Brass	Cast iron 30,000 psi tensile
Bracket	Cast iron 30,000 psi tensile	Cast iron 30,000 psi tensile
Bulb	Copper	Copper
Stem	Stainless steel	Stainless steel
Well	Copper or Stainless steel	Copper or Stainless steel

Body Ratings

Size NPT inches	Maximum Body Pressure psig (bar)	Maximum Body Temperature* °F (°C)
1/2-1-1/2	250 (17.3)	406 (208)
2	200 (13.8)	406 (208)
2-1/2-4	125 (8.6)	406 (208)

*For 06 Body Code, Maximum Body Temperature is 350°F (177°C)



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