

# Heating Cable

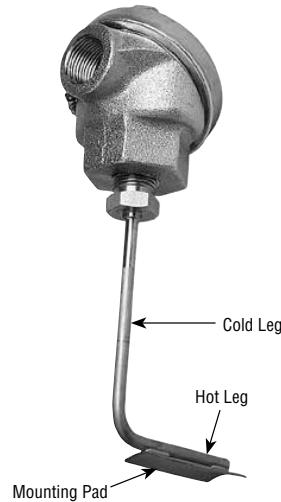
## RBF

### Heat Trace or Pipe Sensor

- Heat Trace or Pipe Sensing Applications
- 316 Stainless Steel Sheath
- Moisture Resistant Heads
- 3/4" or 1/2" NPT Threaded Extension Wire Opening
- 4" to 8" Cold Leg Standard for Varying Insulation Depths
- 100 ohm RTD,  $\pm .12\%$  Accuracy
- Fiberglass Insulated RTD Probe
- RTD or Universal Transmitter Available (Must Specify Temperature Range)

#### Description

For measuring the surface temperature of process piping that is carrying products whose temperatures must be controlled to prevent freeze-up, or to maintain a viscosity level so that the inner medium will flow. The RTD Sensor Element is made up with a 316SS sheath, and with a stainless steel mounting pad. Cold legs are available in customer specified lengths to accommodate pipe insulation thickness.



Model	Sensor	Insulation	Common Junction	Range (°F)	
				Min	Max
RBF185M-HT	RTD	Fiberglass		-100	900
		<b>Sheath Leg Lengths</b>			
	<b>Code</b>	<b>Hot</b>	<b>Cold</b>		
	304	3"	4"		
	306	3"	6"		
	308	3"	8"		
		<b>Code</b>		<b>Mounting Pads</b>	
	18RD	Fits All Pipe Sizes*			
		<b>Code</b>		<b>Connection Heads</b>	
		31SB/C	Aluminum		
		49SB/C	Flip top Aluminum Head		
		91SB/C	316L Stainless Steel		
		93SB/C	Aluminum		
		94SB/C	316L Stainless Steel		
<b>RBF-185M-HT</b>	<b>304</b>	<b>18RD</b>	<b>31SB/C</b>		

\*Mounting pads conform to pipe with pipe clamps

† Replaces RBF185M-HT-0304-18RD-71SB/C

#### In Stock:

Model	PCN	Stock Status
RBF185M-HT-304-18RD-31SB/C	317315	ST
RBF185M-HT-304-18RD-93SB/C	317340	ST
RBF185M-HT-304-18RD-49SB/C	399517	NS
RBF185M-HT-304-18RD-91SB/C	317323	NS
RBF185M-HT-304-18RD-94SB/C	399550	NS

#### Approvals Chart

Connection Head	Approval Agency			
	FM	CSA	ATEX	IECEX
31SB/C	N/A	N/A	N/A	N/A
49SB/C	N/A	N/A	N/A	N/A
91SB/C	N/A	N/A	N/A	N/A
93SB/C	Class I Division 1; Groups A,B,C,D DIP Class II Division 1; Groups E,F,G Class III; Type 4/4X	Class I Division 1; Groups A,B,C,D DIP Class II Division 1; Groups E,F,G Class III; Type 4/4X Class I Zone 1 AEx d IIC Gb; Zone 21 Aex tb IIIC Db; IP66	Ex II 2 GD Ex db IIC Gb; Ex tb IIIC Db; IP66	Ex db IIC Gb; Ex tb IIIC Db; IP66 Ta = -20°C to 100°C
94SB/C	Class I Division 1; Groups A,B,C,D DIP Class II Division 1; Groups E,F,G Class III; Type 4/4X	Class I Division 1; Groups A,B,C,D DIP Class II Division 1; Groups E,F,G Class III; Type 4/4X Class I Zone 1 AEx d IIC Gb; Zone 21 Aex tb IIIC Db; IP66	Ex II 2 GD Ex db IIC Gb; Ex tb IIIC Db; IP66	Ex db IIC Gb; Ex tb IIIC Db; IP66 Ta = -20°C to 100°C