

Industrial Tank Heaters

(Conduit Connection)

1500 - 5000 watt
Weathertight
Single Phase



CB Model without thermostat.



CB Model assembled with thermostat.



CL Model without thermostat.



CL Model assembled with thermostat.

Ambient Above -20° F	Ambient Below -20° F	Model Number without Thermostat	Model Number with Thermostat (see chart 1)	Volts	Phase	Watts	Amps	Fig.* No.
350 — 500 Cubic Inch or Less	200 — 300 Cubic Inch or Less	CB115100-000	CB1151XX-000	120	1	1500	12.5	1
		CB115800-000	CB1158XX-000	208	1	1500	7.2	1
		CB115200-000	CB1152XX-000	240	1	1500	6.3	1
		CB115700-000	CB1157XX-000	277	1	1500	5.4	1
		CB115300-000	CB1153XX-000	380	1	1500	3.9	1
		CB115400-000	CB1154XX-000	480	1	1500	3.1	1
500 — 600 Cubic Inch or Less	300 — 400 Cubic Inch or Less	CB120100-000	CB1201XX-000	120	1	2000	16.7	1
		CB120800-000	CB1208XX-000	208	1	2000	9.6	1
		CB120200-000	CB1202XX-000	240	1	2000	8.3	1
		CB120300-000	CB1203XX-000	380	1	2000	5.3	1
600 — 800 Cubic Inch or Less	400 — 500 Cubic Inch or Less	CB120400-000	CB1204XX-000	480	1	2000	4.2	1
		CB125100-000	CB1251XX-000	120	1	2500	20.8	1
		CB125800-000	CB1258XX-000	208	1	2500	12.0	1
		CB125200-000	CB1252XX-000	240	1	2500	10.4	1
		CB125700-000	CB1257XX-000	277	1	2500	9.0	1
		CB125300-000	CB1253XX-000	380	1	2500	6.6	1
800 — 1000 Cubic Inch or Less	500 — 600 Cubic Inch or Less	CB125400-000	CB1254XX-000	480	1	2500	5.2	1
		CL130100-100	CL1301XX-100	120	1	3000	25.0	3
		CL130800-100	CL1308XX-100	208	1	3000	14.4	3
		CL130200-100	CL1302XX-100	240	1	3000	12.5	3
		CL130700-100	CL1307XX-100	277	1	3000	10.8	3
		CL130300-100	CL1303XX-100	380	1	3000	7.9	3
1000 — 1350 Cubic Inch or Less	600 — 800 Cubic Inch or Less	CL130400-100	CL1304XX-100	480	1	3000	6.3	3
		CL140800-100	CL1408XX-100	208	1	4000	19.2	3
		CL140200-100	CL1402XX-100	240	1	4000	16.7	3
		CL140700-100	CL1407XX-100	277	1	4000	14.4	3
		CL140300-100	CL1403XX-100	380	1	4000	10.5	3
		CL140400-100	CL1404XX-100	480	1	4000	8.3	3
1350 — 1650 Cubic Inch or Less	800 — 1000 Cubic Inch or Less	CL150800-100	CL1508XX-100	208	1	5000	24.0	3
		CL150200-100	CL1502XX-100	240	1	5000	20.8	3
		CL150700-100	CL1507XX-100	277	1	5000	18.1	3
		CL150300-100	CL1503XX-100	380	1	5000	13.2	3
		CL150400-100	CL1504XX-100	480	1	5000	10.4	3

*Figure Number refers to technical drawings of heaters located on page 14.



INSTALLATION TIPS	
If you require a 1" NPT female thread on the thermostat intake, a coupler is available. Also, for the use of 3/4" or 1" ID heater hose, hose barb adapters are available. See below.	
Part Number	Description
HB-1	1" NPT to 1" hose barb adapter. Installs in 1" NPT female inlet or outlet of the heater.
HB-3/4	1" NPT to 3/4" hose barb adapter. Installs in 1" NPT female inlet or outlet of the heater.
HB-C	1" NPT x 1" NPT aluminum coupler. Installs on 1" NPT inlet to T-Stat and allows the addition of HB-1 or HB-3/4.
HB-K3/4	Kit contains (2) HB-3/4 and (1) HB-C
HB-K1	Kit contains (2) HB-1 and (1) HB-C

CHART 1			
HEATERS WITH THERMOSTATS			
To specify temperature range of thermostat, insert numerical code from chart in place of the XX in model number.			
Example:			
Desired Temperature Range 100° - 120°F			
Catalog Number: Model CB1151XX-000			
Order as: Model CB115110-000			
All heaters over 277v and all 3Ø units must use a control box	TEMPERATURE RANGE		NUMERICAL CODE
	ON	OFF	
	60°F	80°F	06
	80°F	100°F	08
	100°F	120°F	10
	120°F	140°F	12
See Control Systems page 32	140°F	160°F	14
	Adjustable 90° - 130°F		A3

Ambient Above -20° F	Ambient Below -20° F	Model Number without Thermostat	Model Number with Thermostat (see chart 1)	Volts	Phase	Watts	Amps	Fig.* No.
350 — 500 Cubic Inch or Less	200 — 300 Cubic Inch or Less	SB115100-000	SB1151XX-000	120	1	1500	12.5	2
		SB115800-000	SB1158XX-000	208	1	1500	7.2	2
		SB115200-000	SB1152XX-000	240	1	1500	6.3	2
		SB115700-000	SB1157XX-000	277	1	1500	5.4	2
500 — 600 Cubic Inch or Less	300 — 400 Cubic Inch or Less	SB120100-000	SB1201XX-000	120	1	2000	16.7	2
		SB120800-000	SB1208XX-000	208	1	2000	9.6	2
		SB120200-000	SB1202XX-000	240	1	2000	8.3	2
600 — 800 Cubic Inch or Less	400 — 500 Cubic Inch or Less	SB122100-000	SB1221XX-000	120	1	2250	18.8	2
		SB125800-000	SB1258XX-000	208	1	2500	12.0	2
		SB125200-000	SB1252XX-000	240	1	2500	10.4	2
		SB125700-000	SB1257XX-000	277	1	2500	9.0	2
800 — 1000 Cubic Inch or Less	500 — 600 Cubic Inch or Less	SL130100-000	—	120	1	3000	25.0	4
		SL130800-000	SL1308XX-000	208	1	3000	14.4	4
		SL130200-000	SL1302XX-000	240	1	3000	12.5	4
		SL130700-000	SL1307XX-000	277	1	3000	10.8	4
1000 — 1350 Cubic Inch or Less	600 — 800 Cubic Inch or Less	SL140800-000	SL1408XX-000	208	1	4000	19.2	4
		SL140200-000	SL1402XX-000	240	1	4000	16.7	4
		SL140700-000	SL1407XX-000	277	1	4000	14.4	4

*Figure Number refers to technical drawings of heaters located on page 14.

All 208v, 277v and 3000w/120v models come with cord only - no plug.

SB Models include hi-limit thermostats and carry CSA approval.



INSTALLATION TIPS	
If you require a 1" NPT female thread on the thermostat intake, a coupler is available. Also, for the use of 3/4" or 1" ID heater hose, hose barb adapters are available. See below.	
Part Number	Description
HB-1	1" NPT to 1" hose barb adapter. Installs in 1" NPT female inlet or outlet of the heater.
HB-3/4	1" NPT to 3/4" hose barb adapter. Installs in 1" NPT female inlet or outlet of the heater.
HB-C	1" NPT x 1" NPT aluminum coupler. Installs on 1" NPT inlet to T-Stat and allows the addition of HB-1 or HB-3/4.
HB-K3/4	Kit contains (2) HB-3/4 and (1) HB-C
HB-K1	Kit contains (2) HB-1 and (1) HB-C

CHART 1		
HEATERS WITH THERMOSTATS		
To specify temperature range of thermostat, insert numerical code from chart in place of the XX in model number.		
Example:		
Desired Temperature Range 100° - 120°F		
Catalog Number: Model SB1151XX-000		
Order as: Model SB1151 10 -000		
	TEMPERATURE RANGE	
	ON	OFF
	60°F	80°F
	80°F	100°F
	100°F	120°F
	120°F	140°F
	140°F	160°F
		NUMERICAL CODE
		06
		08
		10
		12
		14

Industrial Tank Heaters

(With Power Cord)

1500 - 4000 watt

Weathertight

Single Phase



SB Model with power cord; no thermostat



SB Model with thermostat and power cord



SL Model with power cord; no thermostat.



SL Model with thermostat and power cord.

Industrial Tank Heaters

1500 - 5000 watt

Weathertight

Three Phase



WL Model without thermostat



WL Model with thermostat

Ambient Above -20° F	Ambient Below -20° F	Model Number without Thermostat	Model Number with Thermostat (see chart 1)	Volts	Ø	Watts	Amp	Fig.* No.
500 Cubic Inch or Less	300 Cubic Inch or Less	WL315800-000 WL315200-000 WL315400-000	WL3158XX-000 WL3152XX-000 WL3154XX-000	208	3	1500	4.2	5
				240	3	1500	3.6	5
				480	3	1500	1.8	5
500 — 600 Cubic Inch or Less	300 — 400 Cubic Inch or Less	WL320800-000 WL320200-000 WL320300-000 WL320400-000 WL320500-000	WL3208XX-000 WL3202XX-000 WL3203XX-000 WL3204XX-000 WL3205XX-000	208	3	2000	5.6	5
				240	3	2000	4.8	5
				380	3	2000	3.0	5
				480	3	2000	2.4	5
				575	3	2000	2.0	5
600 — 800 Cubic Inch or Less	400 — 500 Cubic Inch or Less	WL325800-000 WL325200-000 WL325300-000 WL325400-000 WL325500-000	WL3258XX-000 WL3252XX-000 WL3253XX-000 WL3254XX-000 WL3255XX-000	208	3	2500	6.9	5
				240	3	2500	6.0	5
				380	3	2500	3.8	5
				480	3	2500	3.0	5
				575	3	2500	2.5	5
800 — 1000 Cubic Inch or Less	500 — 600 Cubic Inch or Less	WL330800-000 WL330200-000 WL330300-000 WL330400-000 WL330500-000	WL3308XX-000 WL3302XX-000 WL3303XX-000 WL3304XX-000 WL3305XX-000	208	3	3000	8.3	5
				240	3	3000	7.2	5
				380	3	3000	4.6	5
				480	3	3000	3.6	5
				575	3	3000	3.0	5
1000 — 1350 Cubic Inch or Less	600 — 800 Cubic Inch or Less	WL340800-000 WL340200-000 WL340300-000 WL340400-000 WL340500-000	WL3408XX-000 WL3402XX-000 WL3403XX-000 WL3404XX-000 WL3405XX-000	208	3	4000	11.1	5
				240	3	4000	9.6	5
				380	3	4000	6.1	5
				480	3	4000	4.8	5
				575	3	4000	4.0	5
1350 — 1650 Cubic Inch or Less	800 — 1000 Cubic Inch or Less	WL350800-000 WL350200-000 WL350300-000 WL350400-000 WL350500-000	WL3508XX-000 WL3502XX-000 WL3503XX-000 WL3504XX-000 WL3505XX-000	208	3	5000	13.9	5
				240	3	5000	12.0	5
				380	3	5000	7.6	5
				480	3	5000	6.0	5
				575	3	5000	5.0	5

*Figure Number refers to technical drawings of heaters located on page 14.

INSTALLATION TIPS

If you require a 1" NPT female thread on the thermostat intake, a coupler is available. Also, for the use of 3/4" or 1" ID heater hose, hose barb adapters are available. See below.

Part Number	Description
HB-1	1" NPT to 1" hose barb adapter. Installs in 1" NPT female inlet or outlet of the heater.
HB-3/4	1" NPT to 3/4" hose barb adapter. Installs in 1" NPT female inlet or outlet of the heater.
HB-C	1" NPT x 1" NPT aluminum coupler. Installs on 1" NPT inlet to T-Stat and allows the addition of HB-1 or HB-3/4.
HB-K3/4	Kit contains (2) HB-3/4 and (1) HB-C
HB-K1	Kit contains (2) HB-1 and (1) HB-C

CHART 1

HEATERS WITH THERMOSTATS

To specify temperature range of thermostat, insert numerical code from chart in place of the XX in model number.

Example:

Desired Temperature Range 100° - 120°F
Catalog Number: Model WL3152XX-000
Order as: Model WL315210-000

All heaters over 277v and all 3Ø units must use a control box	TEMPERATURE RANGE		NUMERICAL CODE
	ON	OFF	
See Control Systems page 32	60°F	80°F	06
	80°F	100°F	08
	100°F	120°F	10
	120°F	140°F	12
	140°F	160°F	14
	Adjustable 90° - 130°F		A3

Technical Drawings

all dimensions in inches

CB Style Heater without thermostat (pg. 8)

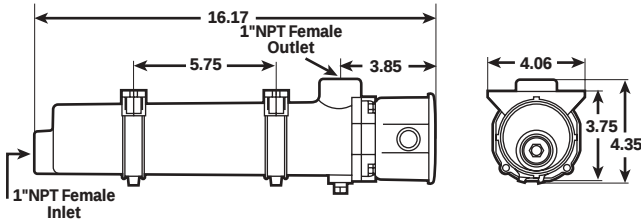
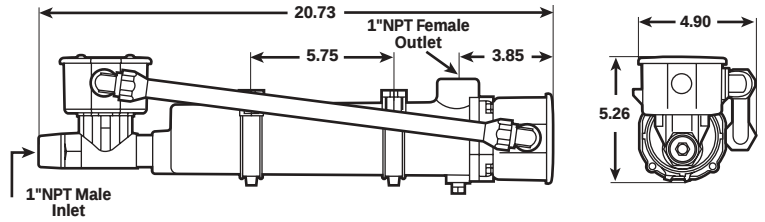


FIGURE 1

CB Style Heater with thermostat (pg. 8)



SB Style Heater without thermostat (pg. 9)

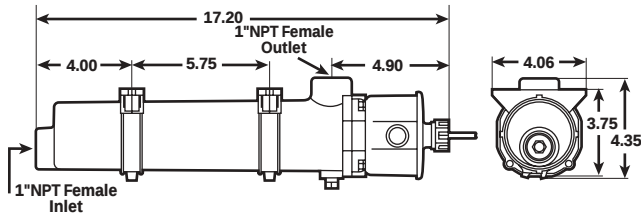
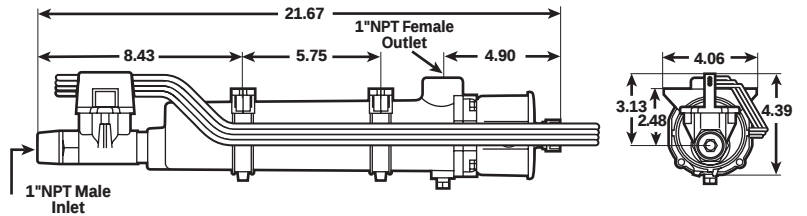


FIGURE 2

SB Style Heater with thermostat (pg. 9)



CL Style Heater without thermostat (pg. 8)

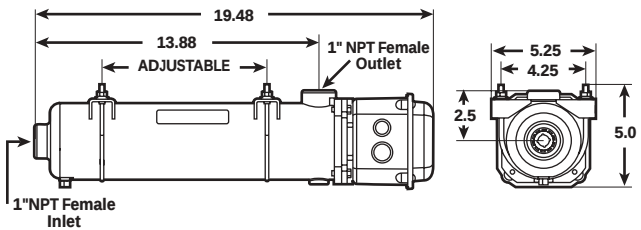
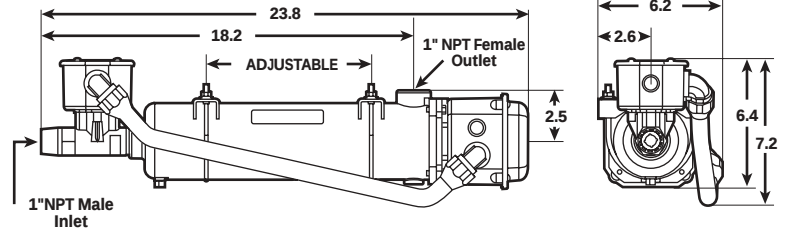


FIGURE 3

CL Style Heater with thermostat (pg. 8)



SL Style Heater without thermostat (pg. 9)

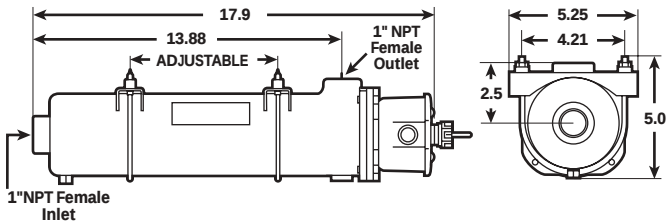
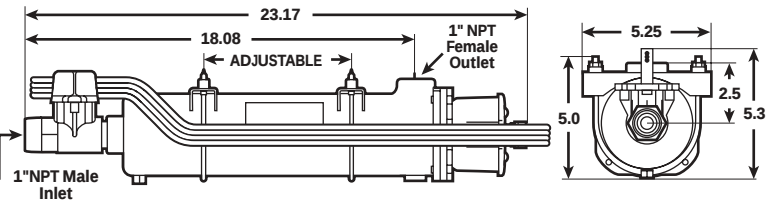


FIGURE 4

SL Style Heater with thermostat (pg. 9)



WL Style Heater without thermostat (pg. 10)

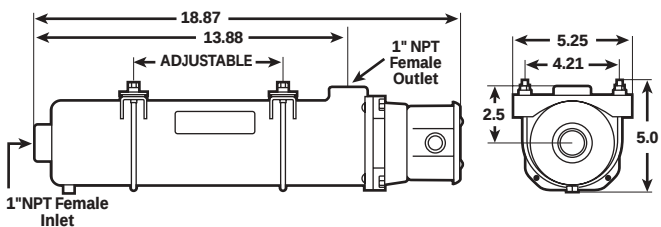


FIGURE 5

WL Style Heater with thermostat (pg. 10)

