

LAARS® HEATING SYSTEMS

Commercial Portfolio



LAARS® 
Heating Systems Company

BOILERS | VOLUME WATER HEATERS | TANKS

LAARS® COMMERCIAL PRODUCT LINE

Laars Heating Systems Company offers a wide range of high efficiency boilers, water heaters, pool heaters, tanks, and accessories for commercial heating applications. Our newest innovations are equipped with advanced features that bring tangible rewards to building owners.

Laars is an American company with its manufacturing facilities located in the United States of America. Products made by Laars are manufactured in the United States using the finest raw materials and components from around the world to deliver the highest quality and value to its customers.

Industry Leading, Advanced Technology

Laars' advanced commercial heating technology ensures that every installation exceeds your customers' expectations for efficiency, reliability, and performance for years to come. Our commercial products are developed with the mechanical contractor, engineer, and building owner in mind.

At the heart of our latest gas fired boilers and volume water heaters are patent pending, stainless steel corrosion-resistant heat exchangers. An industry-leading electronic fuel-to-air ratio combustion control combined with the advanced Laars Linc® control platform result in high-efficiency performance.

Laars also offers a complete commercial electric heating portfolio, including the only US designed and assembled natural refrigerant commercial heat pump water heater. Innovation based on customer needs is at the heart of everything we do. Laars - Built to Be The Best®



Laars has you covered for your commercial space and water heating needs!

BOILERS | VOLUME WATER HEATERS | TANKS | CONDENSING | NON-CONDENSING | ELECTRIC

MAGNATHERM® FT



High Turndown Condensing Fire Tube Technology
1000 to 3000 MBH Boiler

- Up to 20:1 turndown
- Indoor/outdoor installation
- VARI-PRIME® pump control
- Tru Trac® O₂ trim compensation results in highest possible efficiencies
- Stainless steel firetube condensing heat exchanger
- Laars Linc® intuitive control
- Cascade up to 8 units
- 95% minimum efficiency

MagnaTherm FT Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight (lbs)
CFH1000	999,900	950,000	95.8%	1,450
CFH1500	1,500,000	1,425,000	95.9%	1,600
CFH2000	1,999,900	1,900,000	95.4%	1,950
CFH3000	3,000,000	3,000,000	95.9%	2,250

MAGNATHERM® HTD



Powerful Innovation, Optimized Efficiency
1600 to 4000 MBH Boiler & Volume Water Heater

- 20:1 turndown on all units
- Indoor/outdoor installation
- VARI-PRIME® pump control
- Tru Trac® O₂ trim compensation results in highest possible efficiencies
- Stainless steel condensing heat exchanger
- Laars Linc® intuitive control
- Cascade up to 8 units
- 95% minimum efficiency

MagnaTherm HTD Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight (lbs)
MGH1600	1,600,000	1,520,000	95.0%	1,610
MGH2000	1,999,000	1,895,000	95.0%	1,610
MGH2500	2,499,000	2,374,000	95.0%	2,010
MGH3000	3,000,000	2,814,000	95.0%	2,010
MGH3500	3,500,000	3,276,000	95.0%	2,525
MGH4000	4,000,000	3,800,000	95.0%	2,525

MagnaTherm HTD Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100°F Rise (GPH)	Thermal Efficiency	Shipping Weight (lbs)
MGV1600	1,600,000	1825	96%	1,610
MGV2000	1,999,000	2281	96%	1,610
MGV2500	2,499,000	2851	96%	2,010
MGV3000	3,000,000	3421	95%	2,010
MGV3500	3,500,000	3992	96%	2,525
MGV4000	4,000,000	4562	96%	2,525

MAGNATHERM®



Field-proven Advanced Technology
1600 to 4000 MBH Boiler & Volume Water Heater

- 5:1 turndown on all units
- Indoor/outdoor installation
- VARI-PRIME® pump control
- Stainless steel condensing heat exchanger
- Laars Linc® intuitive control
- Cascade up to 8 units
- 95% minimum efficiency

MagnaTherm Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight (lbs)
MGH1600	1,600,000	1,520,000	95.0%	1,590
MGH2000	1,999,000	1,895,000	95.0%	1,590
MGH2500	2,499,000	2,374,000	95.0%	1,985
MGH3000	3,000,000	2,814,000	95.0%	1,985
MGH3500	3,500,000	3,276,000	95.0%	2,478
MGH4000	4,000,000	3,724,000	95.0%	2,478

MagnaTherm Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100°F Rise (GPH)	Thermal Efficiency	Shipping Weight (lbs)
MGV1600	1,600,000	1825	96%	1,590
MGV2000	1,999,000	2281	96%	1,590
MGV2500	2,499,000	2851	96%	1,985
MGV3000	3,000,000	3421	95%	1,985
MGV3500	3,500,000	3992	96%	2,478
MGV4000	4,000,000	4562	96%	2,478



FT SERIES



Shown on optional stand

Floor or Wall, One boiler Does It All
301 and 399 MBH Boiler

- Up to 10:1 turndown
- Low pressure drop, fire-tube heat exchanger design
- Easily convert from wall to floor with optional stand
- Cascade up to 4 units
- 316L stainless steel firetube heat exchanger
- Top and/or bottom gas and water connections
- 95% efficiency

FT Series Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight (lbs)
FTHW301NX	301,000	286,000	95.1%	265
FTHW399NX	399,000	379,000	95.4%	275
FTHW301NF	301,000	286,000	95.1%	310
FTHW399NF	399,000	379,000	95.4%	320

NEOTHERM® XTR



XTR-aordinary Commercial Performance
399 to 1500 MBH Natural Gas Boiler &
Volume Water Heater

- Modulation down to 10% of full fire (10:1 turndown)
- X-Trac™ dual venturi combustion system
- Indoor/Outdoor installation
- Stainless steel low pressure-drop heat exchanger
- Laars Linc® Intuitive control
- 96% minimum efficiency

NeoTherm XTR Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight (lbs)
NT2H0399	399,900	386,000	96.7%	508
NT2H0500	500,000	483,000	96.6%	518
NT2H0600	650,000	627,000	96.5%	597
NT2H0800	800,000	771,000	96.4%	618
NT2H0999	999,000	962,000	96.3%	679
NT2H1500	1,500,000	1,440,000	96.0%	757

NeoTherm XTR Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100°F Rise (GPH)	Thermal Efficiency	Shipping Weight (lbs)
NT2V0399	399,900	460	98%	508
NT2V0500	500,000	576	98%	518
NT2V0650	650,000	749	97%	597
NT2V0800	800,000	922	97%	618
NT2V0999	999,000	1151	97%	679
NT2V1500	1,500,000	1728	99%	757

NEOTHERM®



High Efficiency Modulating Condensing Technology
399 to 850 MBH Propane Boiler & Volume Water Heater

- 5:1 turndown
- Integrates with building automation systems
- Stainless steel heat exchanger
- Natural Gas (NTV 285) or Propane
- Pre-mix stainless steel burner
- 95% minimum efficiency

NeoTherm Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight (lbs)
NTH399	399,900	386,000	96.5%	364
NTH500	500,000	475,000	95.0%	419
NTH600	600,000	572,000	95.3%	426
NTH750	750,000	724,000	96.6%	481
NTH850	850,000	813,000	95.7%	503

NeoTherm Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100°F Rise (GPH)	Thermal Efficiency	Shipping Weight (lbs)
NTV285	285,000	327	95%	299
NTV399	399,000	461	96%	364
NTV500	500,000	580	96%	419
NTV600	600,000	691	97%	426
NTV750	750,000	868	94%	481
NTV850	850,000	973	96%	503



PENNANT®

Field Proven, Trusted Performer
500 to 2000 MBH Boiler & Volume Water Heater

- Stage firing up to 4:1
- Indoor/outdoor installation
- Easily field-convertible to multiple piping and venting needs
- Field-proven, copper finned tube heat exchanger
- Laars Linc® intuitive control system
- 85% efficiency



Pennant Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight (lbs)
PNCH0500	500,000	425,000	85.0%	640
PNCH0750	750,000	638,000	85.0%	735
PNCH1000	1,000,000	850,000	85.0%	830
PNCH1250	1,250,000	1,065,000	85.2%	925
PNCH1500	1,500,000	1,278,000	85.2%	1020
PNCH1750	1,750,000	1,491,000	85.2%	1115
PNCH2000	2,000,000	1,704,000	85.2%	1210

The shipping weights are 'without pump'

Pennant Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100°F Rise (GPH)	Thermal Efficiency	Shipping Weight (lbs)
PNCV0500	501,000	510	85%	640
PNCV0750	750,000	765	85%	735
PNCV1000	1,000,000	1019	85%	830
PNCV1250	1,250,000	1276	85%	925
PNCV1500	1,500,000	1531	85%	1020
PNCV1750	1,750,000	1786	85%	1115
PNCV2000	2,000,000	2040	85%	1210

The shipping weights are 'without pump'

MIGHTY THERM2®

Reliable Heating Workhorse
400 to 2000 MBH Boiler
200 to 2000 MBH Volume Water Heater

- 2-stage firing
- Gas connection field-convertible to left or right
- Washable air filter
- Finned tube heat exchanger of copper (boilers) or cupronickel (water heaters)
- Simple and straight-forward controls
- 85% efficiency



Mighty Therm2 Boilers

Model Number	Input BTU/Hr.	Output BTU/Hr.	Thermal Efficiency	Shipping Weight (lbs)
MT2H0400	399,000	340,000	85.3%	330
MT2H0500	500,000	425,000	85.0%	630
MT2H0750	750,000	638,000	85.0%	725
MT2H1000	1,000,000	850,000	85.0%	820
MT2H1250	1,250,000	1,065,000	85.2%	915
MT2H1500	1,500,000	1,278,000	85.2%	1,010
MT2H1750	1,750,000	1,491,000	85.2%	1,105
MT2H2000	1,999,000	1,704,000	85.2%	1,200

The shipping weights are 'without pump'

Mighty Therm2 Volume Water Heaters

Model Number	Input BTU/Hr.	Recovery @ 100°F Rise (GPH)	Thermal Efficiency	Shipping Weight (lbs)
MT2V0200	199,900	204	85%	270
MT2V0300	300,000	306	85%	300
MT2V0400	399,900	408	85%	330
MT2V0500	501,000	510	84%	630
MT2V0750	750,000	766	84%	725
MT2V1000	1,000,000	1019	84%	820
MT2V1250	1,250,000	1276	84%	915
MT2V1500	1,500,000	1531	84%	1,010
MT2V1750	1,750,000	1786	84%	1,105
MT2V2000	2,000,000	2040	84%	1,200

The shipping weights are 'without pump'

LT SERIES

Engineered for high performance
199 MBH ability to cascade up to 3,200 MBH

- 15:1 turndown
- Outdoor installation kit
- Flexible rack mount system.
- Built-in gas and water leak detection
- High temperature output setting - up to 180°F
- Stainless Steel water-tube heat exchanger
- Cascade up to 16 Standard units
- 0.96 UEF



LT Series Water Heaters

Model	Qty	Input BTU/Hr.	Recovery @ 77°F Rise (GPM)	Shipping Weight (lbs)
LT199 Standard	x2	398,000	10.2	178
LT199 Re-circ	x2	398,000	10.2	192
LT199 Standard	x4	796,000	20.4	356
LT199 Standard	x6	1,194,000	30.6	534
LT199 Standard	x8	1,592,000	40.8	712
LT199 Standard	x16	3,184,000	81.6	1,424



PENNANT®

Commercial Pool Heater
500 to 2000 MBH



- Laars Linc intuitive control with touchscreen
- 2-stage firing
- Indoor / outdoor construction
- Reversible gas and water connections
- Backwash mode switch
- Finned copper tube or cupronickel heat exchanger

Model Number	Input BTU/Hr.	Output BTU/Hr.	Efficiency	Shipping Weight (lbs)
PNCP0500	500,000	425,000	85.0%	775
PNCP0750	750,000	638,000	85.0%	870
PNCP1000	1,000,000	849,000	85.0%	1,035
PNCP1250	1,250,000	1,062,500	85.1%	1,130
PNCP1500	1,500,000	1,275,000	85.1%	1,285
PNCP1750	1,750,000	1,487,000	85.1%	1,380
PNCP2000	2,000,000	1,699,000	85.1%	1,510

MIGHTY THERM®2

Commercial Pool Heater
500 to 2000 MBH



- Simple straight-forward control
- 2-stage firing
- Indoor / outdoor construction
- Reversible gas and water connections
- Backwash mode switch
- Finned copper tube or cupronickel heat exchanger

Model Number	Input BTU/Hr.	Output BTU/Hr.	Efficiency	Shipping Weight (lbs)
MT2P0500	500,000	425,000	85.0%	760
MT2P0750	750,000	638,000	85.0%	855
MT2P1000	1,000,000	849,000	85.0%	1,020
MT2P1250	1,250,000	1,062,500	85.1%	1,115
MT2P1500	1,500,000	1,275,000	85.1%	1,260
MT2P1750	1,750,000	1,487,000	85.1%	1,365
MT2P2000	2,000,000	1,699,000	85.1%	1,495

MIGHTY THERM® AP

Commercial Pool Heater
500 to 5000 MBH

- On/off toggle switch
- Copper tube heat exchanger
- Glass lined header
- Indoor / outdoor construction
- Automatic temperature control
- Electronic ignition
- Flow switch standard

Model Number	Input BTU/Hr.	Output BTU/Hr. Indoor (I)	Output BTU/Hr. Outdoor (E)	Efficiency		Shipping Weight (lbs)	
				Indoor	Outdoor	Indoor	Outdoor
AP500I(E)	500,000	405,000	410,000	81	82	808	855
AP600I(E)	600,000	486,000	492,000	81	82	819	949
AP715I(E)	715,000	579,000	586,000	81	82	873	1050
AP850I(E)	850,000	689,000	697,000	81	82	945	1100
AP1010I(E)	1,010,000	818,000	828,000	81	82	1041	1240
AP1200I(E)	1,200,000	972,000	984,000	81	82	1199	1410
AP1450I(E)	1,450,000	1,158,000	1,173,000	81	82	1280	1570
AP1670I(E)	1,670,000	1,353,000	1,370,000	81	82	1445	1622
AP1825I(E)	1,825,000	1,478,000	1,479,000	81	82	1570	1725
AP2000I	2,000,000	1,639,000	—	82	—	1950	—
AP2200E	2,200,000	—	1,786,000	—	81	—	2320
AP2450I	2,450,000	2,009,000	—	82	—	2100	—
AP2800E	2,800,000	—	2,223,000	—	81	—	2500
AP3050I	3,050,000	2,501,000	—	82	—	2250	—
AP3200E	3,200,000	—	2,552,000	—	81	—	2840
AP3500I	3,500,000	2,870,000	—	82	—	2510	—
AP3600E	3,600,000	—	2,952,000	—	81	—	3175
AP4000E	4,000,000	—	3,281,000	—	81	—	3940
AP4050I	4,050,000	3,321,000	—	82	—	2750	—
AP4500I(E)	4,500,000	3,690,000	3,645,000	82	81	2900	3790
AP5000I	5,000,000	4,100,000	—	82	—	3200	—



Indoor and Outdoor models



LAARS E-THERM® HEAT PUMP WATER HEATER



Natural Refrigerant R744 (CO₂) air-to-water heat pump water heater
322 MBH / 95 kW

- Operates in below freezing air temperatures
- Outputs up to 180°F hot water
- Plug & Play Design, comes fully charged with CO₂
- Cascade up to 16 units for large heating cell
- COP efficiency of 4.0 at AHRI standard 1300 test conditions

Pair with Laars stratification tanks, temperature maintenance tanks, and back up tankless electric water heaters for a full system.

STRATIFICATION STORAGE TANKS



210, 320, 500, or 1000 Gallon Tank Options

- Diffuser and tapping locations promote ideal temperature stratification to optimize heat pump system efficiency
- Multiple sensor tappings to aid in precise temperature management
- Glass lined carbon steel or stainless steel material options
- 2-1/4" high-density polyurethane foam and acrylic top coat

TEMPERATURE MAINTENANCE TANKS

"SWING TANKS"



Up to 360 kW | 200 and 300 gallon

- 150 psi ASME rated and approved for 180°F operation
- Tanks are offered in glass lined carbon steel
- High density open cell foam insulation is used to minimize heat loss
- Large 3" piping connections to match flow requirements of large recirculation loop flow rates

LAARS LINC® PRO I/O™ TANK SYSTEM CONTROL



A Laars "plug-and-play" control that manages the operation of the Laars E-Therm heat pump and tank system.

- Ethernet communication from the heat pump to the stratified tank system
- All heat pump functions can be accessed via the built in touch screen
- Ideal for installations where the tanks are located far from the heat pumps or when deployed within a demand response utility program
- Controls up to 6 heat pumps in a cascade system



ELECTRIC HEATING BOILERS



60 – 300 kW | 205 to 1025 MBH

- Both Delta and Wye 3-phase available
- Built-in digital temperature control with outdoor reset capability
- 30 to 125 PSI pressure relief valve option
- Circuit breaker disconnect for each element
- 100% efficient

Model Number	Voltage 3-Phase	kW Offerings	Shipping Weight (lbs)
BEBXXX208	208	60-180	720
BEBXXX240	240	60-180	720
BEBXXX480	480	60-300	735
BEBXXX600	600	60-300	735

TANKLESS ELECTRIC WATER HEATERS



Commercial, Light Industrial, and Large Industrial applications
5 to 36 kW

- Space-saving wall-mounted or floor standing
- PID temperature controller
- Simple touch operation
- Precise temperature range & flow
- Incoloy 800 elements

Series	Minimum kW	Maximum kW
H-Series	5	25
G-Series	18	25
F-Series	36	50
N-Series	36	144

TANK TYPE ELECTRIC WATER HEATERS



150 to 2500 Gallon Storage

- 15 to 360 kW round vertical models
- Simple solution for a range of unique commercial water heating applications
- Meets ASHRAE 90.1b standards for heat loss

Model Number	Gallon Capacity	Maximum kW	Shipping Weight (lbs)
EV150	150	90	650
EV200	200	162	750
EV250	250	162	1165
EV300	300	162	1350
EV400	400	162	1590
EV500	500	162	1700
EV600	600	216	2010
EV800	800	270	2450
EV1000	1000	360	3160
EV1250	1250	360	3792
EV1500	1500	360	4550
EV2000	2000	360	5460
EV2500	2500	360	6553



LAARS PLATE™ INDIRECT FIRED PLATE AND FRAME WATER HEATER



Semi-Instantaneous Double Wall Plate Water Heater
Up to 120 gpm capacity

- Advanced easy-to-use control panel
- Compatible with medium, normal and low temperature boiler water
- ASME code tested and stamped
- Easily pair with MagnaTherm® FT for DHW heating

Model Number	Electrical Requirements	Standby Amp Draw	Full Load Amp Draw	Water Conns	Shipping Weight (lbs)
LP-18D	120V Single Phs	2 Amps	2 Amps	1½" FNPT	934
LP-26D	120V Single Phs	2 Amps	2 Amps	1½" FNPT	963
LP-36D	120V Single Phs	2 Amps	2 Amps	2" FNPT	1024
LP-52D	120V Single Phs	2 Amps	2 Amps	2" FNPT	1082
LP-80D	120V Single Phs	2 Amps	2 Amps	2" FNPT	1315

HOT WATER GENERATORS



Water-to-Water or Steam-to-Water Applications
175 to 1040 gallon tank capacities

- Glass-lined carbon steel or stainless steel tank materials
- U-bend tube bundle design heat exchangers
- 2- or 4-pass, single or double wall options
- Copper, stainless, or copper nickel tube materials
- NPT, flanged, or grooved fittings

Model Number	Actual Gallons	Nominal Gallons	Diameter	Overall Height	Shipping Weight (lbs)
ST*##-30-063	175	193	30"	67"	340
ST*##-30-075	210	229	30"	79"	387
ST*##-30-085	240	260	30"	89"	420
ST*##-30-099	280	303	30"	103"	483
ST*##-30-111	320	340	30"	115"	530
ST*##-36-072	285	318	36"	76"	550
ST*##-36-078	310	344	36"	82"	588
ST*##-36-085	340	375	36"	89"	633
ST*##-36-090	360	397	36"	94"	664
ST*##-36-102	415	449	36"	106"	742
ST*##-36-114	465	502	36"	118"	818
ST*##-36-126	515	555	36"	130"	894
ST*##-42-081	435	486	42"	85"	783
ST*##-42-084	453	504	42"	88"	805
ST*##-42-093	505	558	42"	97"	874
ST*##-42-105	575	630	42"	109"	963
ST*##-42-117	645	702	42"	121"	1052
ST*##-42-129	720	774	42"	133"	1140
ST*##-42-139	790	846	42"	143"	1217
ST*##-48-073	500	572	48"	77"	1038
ST*##-48-084	580	658	48"	88"	1161
ST*##-48-096	675	752	48"	100"	1298
ST*##-48-108	765	846	48"	112"	1433
ST*##-48-116	836	909	48"	120"	1522
ST*##-48-120	860	940	48"	124"	1567
ST*##-48-141	1040	1128	48"	145"	1805



Scan the QR code to register for an upcoming Laars product training class.



JACKETED STORAGE TANKS



Dependable and versatile, the Laars Jacketed Storage Tank is perfect for new installations as well as replacement jobs. 80 to 200 gallons

- Steel tank glass-lined with exclusively engineered enamel formula with antimicrobial protection
- Optional ASME construction
- 2" non-CFC foam
- Factory-installed dielectric fittings (2" and 2-1/2" depending on model size)
- Two protective anode rods
- Indoor / outdoor

Model Number	Gallons	Tank Diameter	Tank Height	Shipping Weight (lbs)
A0073100	80	24	59 3/4	192
A0073101	80	24	59 3/4	278
A0078800	119	28	63 1/2	312
A0070101	119	28	63 1/2	366
A2086000	200	32	78	633

LARGE VOLUME STORAGE TANKS



Laars offers an incredible variety of tanks to suit nearly every application. Our advanced manufacturing facility and highly skilled craftsmen can provide the exact tank you need. Custom Tanks built to your specifications.

- Bare Storage Tanks from 175 to 5,695 gallons. Steel and stainless steel
- Jacketed and Insulated Tanks from 240 to 1,040 gallons
- Rigid Foam with Topcoat Tanks from 240 to 1,040 gallons
- Buffer Tanks from 130 to 1,040 gallons
- Solar Tanks with varied coil arrangements
- Factory application experts a call away
- Regional sales and service support: before, during and after installation!

- Glass lined - An exclusive corrosion-resistant enamel coating is bonded to the interior surfaces at 1600°F – Backed by a 5-year limited warranty.
- Double Glass lined - The glass lining process is repeated, providing a double layer of protection – Backed by a 10-year limited warranty.
- Epoxy Lined – FDA Approved, corrosion-resistant lining is field repairable, max temp 180°F, – Backed by a 1-year limited warranty.
- Stainless Steel – Tanks manufactured of 316L Stainless Steel with 316, 304L, and 304 available upon request. Thickness - 10 gauge and up – Backed by a 1-year limited warranty.



COMMITTED TO THE PROFESSIONAL



HYDRAULIC SEPARATORS / HOT WATER BUFFER TANKS



The Laars Hydraulic Separator Tanks are designed to help reduce short cycling of a boiler system and separate building and boiler circulation.

40 to 1000 gallons and 18" to 60" diameter

- ASME constructed
- 125 psi design pressure
- Carbon steel, stainless steel, and epoxy-lined materials available
- Optional insulating foam or steel jacket
- Optional hand hole and manway

Model Number	Gallons	(NPT/Flg)
HTVN-18-041	40	3" NPT
HTVN-24-045	80	3" NPT
HTVN-30-045	120	3" NPT
HTVN-30-075	210	3" NPT
HTVN-36-072	285	4" Flg
HTVN-42-072	385	6" Flg
HTVN-42-084	453	6" Flg
HTVN-48-096	675	6" Flg
HTVN-48-120	860	6" Flg
HTVN-60-096	1000	6" Flg

COMMERCIAL CHILLED WATER BUFFER TANKS



Laars Chilled Water Buffer Tanks are designed to increase water volume capacity, in relation to the chiller capacity. Low water volume systems may require additional buffer capacity to eliminate excessive chiller cycling, poor temperature control or erratic system operation.

130 – 5,695 gallons (depending on model)

- ASME constructed
- Red oxide primer exterior
- Spray foam insulation available, R-16 value and acrylic top coat
- Custom sizes available upon request
- Can be ordered in vertical or horizontal orientation

Model Number	Gallons	Inlet/Outlet	Shipping Weight (lbs)
BT-VNB-24-072	130	2" NPT	375
BT-VNB-30-075	210	3" FLG	425
BT-VNB-36-072	300	4" FLG	633
BT-VNB-36-090	360	4" FLG	715
BT-VNB-42-072	380	4" FLG	1250
BT-VNB-42-084	460	4" FLG	1250
BT-VNB-42-090	500	4" FLG	1300
BT-VNB-42-100	550	4" FLG	1425
BT-VNB-48-073	500	6" FLG	1150
BT-VNB-48-084	588	6" FLG	1425
BT-VNB-48-096	675	6" FLG	1885
BT-VNB-48-141	1000	6" FLG	1957
BT-VNB-54-096	850	6" FLG	1630
BT-VNB-54-147	1350	6" FLG	2800
BT-VNB-54-165	1530	6" FLG	3100
BT-VNB-60-096	1040	8" FLG	2280
BT-VNB-60-135	1500	8" FLG	3375
BT-VNB-60-177	2000	8" FLG	4225

EXPANSION BLADDER TANKS



Laars thermal Expansion Bladder Tanks are built with a large service opening to allow for easy bladder replacement and without having to remove the tank from its mounting.

11 to 1,040 gallons.

- ASME constructed
- 125 psi design pressure
- 240°F maximum temperature
- Pre-charged bladder at 12 psi
- Heavy duty butyl rubber replaceable bladder
- Lifting lugs
- 4" high skirt with base clips
- Carbon steel and stainless steel

Model Number	Gallons	Shipping Weight (lbs)
LEBT-12-027	11	42
LEBT-14-026	15	52
LEBT-16-032	25	77
LEBT-16-048	39	115
LEBT-20-048	58	170
LEBT-24-050	85	225
LEBT-24-057	104	250
LEBT-30-053	147	325
LEBT-30-058	158	350

Model Number	Gallons	Shipping Weight (lbs)
LEBT-30-063	175	465
LEBT-30-075	210	505
LEBT-30-085	240	550
LEBT-36-072	285	675
LEBT-36-078	310	707
LEBT-36-085	340	750
LEBT-36-090	360	780
LEBT-42-081	435	1185
LEBT-42-084	453	1216
LEBT-42-093	505	1304
LEBT-48-073	500	1293
LEBT-48-096	675	1550
LEBT-48-108	765	1685
LEBT-48-120	860	1870
LEBT-48-141	1040	2053





View our full line of gas-fired and electric commercial products at Laars.com



www.LAARS.com



Training at Laars



Customer Service and Product Support: 800.900.9276 • Fax 800.559.1583

Headquarters: 20 Industrial Way, Rochester, NH 03867 • 603.335.6300 • Fax 603.335.3355

9 Brigden Gate, Halton Hills, Ontario, Canada, L7G 0A3 • 905.203.0600 • Fax 905.636.0666

www.LAARS.com

Litho in U.S.A

© Laars® Heating Systems Co. 26-06 Document 9318