BOCK WATER HEATERS

ASME Certified Commercial Storage Tanks Vertical Bare and Sprayed-on Insulated

■ Five-Year Limited Tank Warranty – THE INDUSTRY'S FINEST

- Sprayed-on rigid insulation with acrylic topcoat exceeds ASHRAE 90.1 requirements with 2.25" of high-density polyurethane foam with an "R" value of 4-16. SPF meets requirements for California Title 24. The best fire spread rating with a class I foam with less than a 25-flame spread rating suitable for boiler room applications.
- The 100% acrylic topcoat is formulated for applications over spray polyurethane foam and is designed to withstand extreme weather and a full range of environmental conditions.
- The 2 component polyurethane foam is applied at ambient temperatures, directly to the vessel in the desired thickness. The 2-coat topcoat is then applied from a high-pressure spray gun and allowed to dry between applications.
- Spray on insulation is an alternative for insulated and steel jacket
- Insulation is field repairable
- Glass-fused-to-steel water tank
- Designed for 180°F
- All tanks are constructed and certified - in accordance with ASME IV, part HLW for 125 psi and 150 psi.
- Magnesium anode rods
- Lifting lugs
- One ¾" NPT aquastat fitting
- Bare tanks have red oxide primer
- 12" x 16" manway standard on all models with a diameter of 42" or greater. Optional on all other sizes.

Spray Polyurethane Foam:

Specific Gravity:	1.17 - 1.19
Viscosity:	800 - 1300
Density:	@ 2" 2.10 - 2.35; @4" 1.88 - 1.99
Closed cell content:	>90%
K-factor, initial:	0.155 - 0.170
Permeance:	2.91 (perms); 2.99 (perms inch)
Dimensional stability:	+3.3 to 8.2 - dry age 28 days (158°F, dry) -0.37 to -0.96 - freeze 14 day (-20°F)
Flame spread:	25 - ASTM E-84
Smoke development:	450
R Value:	7.2/inch
Maximum thickness:	4"

Acrylic Coating:

Topcoat:	2 coats white, 25 mils
Texture:	Smooth
Grade:	Spray or roll
Base:	100% acrylic
Solids by weight:	66% (+/-3)
Solids by volume:	55% (+/-3)
Weight per gallon:	11.65 (+/-.2)
Tensile strength:	300psi (+/-25)
Elongation:	260% (+/-25)
Durometer hardness:	62 Shore A (+/-2)
Tear resistance	85 lbs/in.
Permeance:	11 U.S. Perms @ 20 mils
Viscosity:	110 K.U. (+/-8)
Codes/Approvals:	Energy Star, ICC, UL, ASTM D6083
Reflectivity:	New 85%, aged 78%
Emmisivity:	.89

Bare Tank

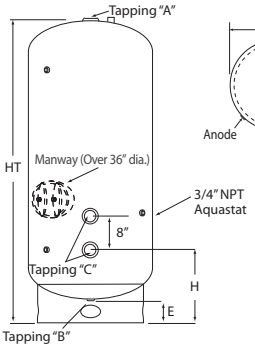
W/Sprayed-on Insulation

Made in the USA

WE TAKE WATER HEATERS PERSONALLY

BOCK COMMERCIAL
STORAGE TANKS

This product is available from:



Bare Model 125 psi	Bare Model 150 psi	Insulated Model 125 psi	Insulated Model 150 psi	Nominal Cap. GAL (L)	Actual Cap. GAL (L)	Dimensions in Inches (cm) Height	Diameter	Base Clearance "E"	"H"	Tapping "A" NPT	Tapping "B" NPT	Tapping "C" NPT	Bare Weight @ 125 psi LBS (kg)
VB-260-125	VB-260-150	VI-260-125	VI-260-150	260 (984.21)	240 (908.50)	89.00 (226.06)	30.00 (76.20)	4.00 (10.16)	17.50 (44.45)	2.50	1.00	3.00	383 (173.73)
VB-303-125	VB-303-150	VI-303-125	VI-303-150	303 (1,146.98)	280 (1,059.92)	103.00 (261.62)	30.00 (76.20)	4.00 (10.16)	17.50 (44.45)	2.50	1.00	3.00	433 (196.41)
VB-340-125	VB-340-150	VI-340-125	VI-340-150	340 (1,287.04)	320 (1,211.33)	115.00 (292.10)	30.00 (76.20)	4.00 (10.16)	17.50 (44.45)	2.50	1.00	3.00	476 (215.91)
VB-318-125	VB-318-150	VI-318-125	VI-318-150	318 (1,203.76)	285 (1,078.84)	76.00 (193.04)	36.00 (91.44)	4.00 (10.16)	19.00 (48.26)	2.50	1.00	3.00	491 (222.71)
VB-344-125	VB-344-150	VI-344-125	VI-344-150	344 (1,302.18)	310 (1,173.48)	82.00 (208.28)	36.00 (91.44)	4.00 (10.16)	19.00 (48.26)	2.50	1.00	3.00	527 (239.04)
VB-375-125	VB-375-150	VI-375-125	VI-375-150	375 (1,419.53)	340 (1,287.04)	89.00 (226.06)	36.00 (91.44)	4.00 (10.16)	19.00 (48.26)	2.50	1.00	3.00	569 (258.09)
VB-397-125	VB-397-150	VI-397-125	VI-397-150	397 (1,502.81)	360 (1,362.75)	94.00 (238.76)	36.00 (91.44)	4.00 (10.16)	19.00 (48.26)	2.50	1.00	3.00	599 (271.70)
VB-449-125	VB-449-150	VI-449-125	VI-449-150	449 (1,699.65)	415 (1,570.95)	106.00 (269.24)	36.000 (91.44)	4.00 (10.16)	19.00 (48.26)	2.50	1.00	3.00	671 (304.36)
VB-502-125	VB-502-150	VI-502-125	VI-502-150	502 (1,900.28)	465 (1,760.22)	118.00 (229.72)	36.0 (91.44)	4.00 (10.16)	19.00 (48.26)	2.50	1.00	3.00	743 (337.02)
VB-555-125	VB-555-150	VI-555-125	VI-555-150	555 (2,100.90)	515 (1,949.49)	130.00 (330.20)	36.00 (91.44)	4.00 (10.16)	19.00 (48.26)	2.50	1.00	3.00	815 (369.68)
VB-486-125	VB-486-150	VI-486-125	VI-486-150	486 (1,839.71)	435 (1,646.65)	85.00 (215.90)	42.00 (106.68)	4.00 (10.16)	20.50 (52.07)	3.00	1.00	3.00	695 (315.25)
VB-504-125	VB-504-150	VI-504-125	VI-504-150	504 (1,907.85)	453 (1,714.79)	88.00 (223.502)	42.00 (106.68)	4.00 (10.16)	20.50 (52.07)	3.00	1.00	3.00	716 (324.77)
VB-558-125	VB-558-150	VI-558-125	VI-558-150	558 (2,112.26)	505 (1,911.63)	97.00 (246.38)	42.00 (106.68))	4.00 (10.16)	20.50 (52.07)	3.00	1.00	3.00	779 (353.45)
VB-630-125	VB-630-150	VI-630-125	VI-630-150	630 (2,384.81)	575 (2,176.61)	109.00 (276.86)	42.00 (106.68))	4.00 (10.16)	20.50 (52.07)	3.00	1.00	3.00	863 (391.45)
VB-702-125	VB-702-150	VI-702-125	VI-702-150	702 (2,657.40)	645 (2,441.59)	121.00 (307.34)	42.00 (106.68)	4.00 (10.16)	20.50 (52.07)	3.00	1.00	3.00	947 (293.47)
VB-774-125	VB-774-150	VI-774-125	VI-774-150	774 (2,929.91)	720 (2,725.50)	133.00 (337.82)	42.00 (106.68)	4.00 (10.16)	20.50 (52.07)	3.00	1.00	3.00	1,031 (467.65)
VB-846-125	VB-846-150	VI-846-125	VI-846-150	846 (3,202.46)	790 (2,990.48)	143.00 (363.22)	42.00 (106.68)	4.00 (10.16)	20.50 (52.07)	3.00	1.00	3.00	1,101 (499.41)
VB-572-125	VB-572-150	VI-572-125	VI-572-150	572 (2,165.26)	500 (1,892.71)	77.00 (195.58)	48.00 (121.92)	4.00 (10.16)	22.00 (55.88)	3.00	1.00	3.00	928 (420.93)
VB-658-125	VB-658-150	VI-658-125	VI-658-150	658 (2,490.80)	580 (2,195.54)	88.00 (223.52)	48.00 (121.92)	4.00 (10.16)	22.00 (55.88)	3.00	1.00	3.00	1,045 (474.00)
VB-752-125	VB-752-150	VI-752-125	VI-752-150	752 (2,846.63)	675 (2,555.15)	100.00 (254.00)	48.00 (121.92)	4.00 (10.16)	22.00 (55.88)	3.00	1.00	3.00	1,173 (532.06)
VB-848-125	VB-848-150	VI-848-125	VI-848-150	846 (3,202.46)	765 (2,895.84)	112.00 (284.48)	48.00 (121.92))	4.00 (10.16)	22.00 (55.88)	3.00	1.00	3.00	1,301 (590.12)
VB-940-125	VB-940-150	VI-940-125	VI-940-150	940 (3,558.29)	840 (3,179.75)	124.00 (314.96)	48.00 (121.92)	4.00 (10.16)	22.00 (55.88)	3.00	1.00	3.00	1,428 (647.73)
VB-1128-125	VB-1128-150	VI-1128-125	VI-1128-150	1,128 (4,269.94)	1,040 (3,936.83)	145.00 (368.30)	48.00 (121.92)	4.00 (10.16)	22.00 (55.88)	3.00	1.00	3.00	1,652 (749.33)
VB-981-125	VB-981-150	VI-981-125	VI-981-150	981 (3,713.49)	875 (3,312.24)	105.00 (266.70)	54.00 (137.16)	6.00 (15.24)	25.50 (64.77)	3.00	1.50	3.00	1,596 (723.93)
VB-1219-125	VB-1219-150	VI-1219-125	VI-1219-150	1,219 (4,614.42)	1,110 (4,201.81)	129.00 (327.66)	54.00 (137.16	6.00 (15.24)	25.50 (64.77)	3.00	1.50	3.00	1,889 (856.84)
VB-1457-125	VB-1457-150	VI-1457-125	VI-1457-150	1,457 (5,515.34)	1,340 (5,072.45)	153.00 (388.62)	54.00 (137.16	6.00 (15.24)	25.50 (64.77)	3.00	1.50	3.00	2,182 (989.74)
VB-1814-125	VB-1814-150	VI-1814-125	VI-1814-150	1,814 (6,866.74)	1,690 (6,397.35)	189.00 (480.06)	54.00 (137.16)	6.00 (15.24)	25.50 (64.77)	3.00	1.50	3.00	2,622 (1,189.32
VB-1395-125	VB-1395-150	VI-1395-125	VI-1395-150	1,395 (5,280.65)	1,245 (4,712.84)	120.00 (304.80)	60.00 (152.40)	6.00 (15.24)	27.00 (68.58)	3.00	1.50	3.00	2,299 (1,042.81)
VB-1689-125	VB-1689-150	VI-1689-125	VI-1689-150	1,689 (6,393.56)	1,530 (5,791.68)	144.00 (365.76)	60.00 (152.40)	6.00 (15.24)	27.00 (68.58)	3.00	1.50	3.00	2,704 (1,226.51)
VB-1983-125	VB-1983-150	VI-1983-125	VI-1983-150	1,983 (7,506.47)	1,820 (6,889.45)	168.00 (426.72)	60.00 (152.40)	6.00 (15.24)	27.00 (68.58)	3.00	1.50	3.00	3,110 (1,410.67)
VB-2276-125	VB-2276-150	VI-2276-125	VI-2276-150	2,276 (8,615.60)	2,105 (7,968.29)	192.00 (487.68)	60.00 (152.40)	6.00 (15.24))	27.00 (68.58)	3.00	1.50	3.00	3,516 (1,594.83)
VB-2570-125	VB-2570-150	VI-2570-125	VI-2570-150	2,570 (9,728.51)	2,395 (9,066.06)	216.00 (548.64)	60.00 (152.40))	6.00 (15.24)	27.00 (68.58)	3.00	1.50	3.00	3,922 (1778.99)
VB-2115-125	VB-2115-150	VI-2115-125	VI-2115-150	2,115 (8,006.15)	1,865 (7,059.79)	126.00 (320.04)	72.00 (182.88)	6.00 (15.24)	30.00 (76.20)	3.00	1.50	3.00	2,876 (1,304.53)
VB-2538-125	VB-2538-150	VI-2538-125	VI-2538-150	2,538 (9,607.38)	2,285 (8,649.67)	150.00 (381.00)	72.00 (182.88)	6.00 (15.24)	30.00 (76.20)	3.00	1.50	3.00	3,363 (1,525.43)
VB-2961-125	VB-2961-150	VI-2961-125	VI-2961-150	2,961 (11,208.60)	2,700 (10,220.61)	174.00 (441.96)	72.00 (182.88)	6.00 (15.24)	30.00 (76.20)	3.00	1.50	3.00	3,851 (1,746.78)
VB-3384-125	VB-3384-150	VI-3384-125	VI-3384-150	3,384 (12,809.83)	3,115 (11,791.56)	198.00 (502.92)	72.00 (182.88)	6.00 (15.24)	30.00 (76.20)	3.00	1.50	3.00	4,338 (1,967.68)
VB-3807-125	VB-3807-150	VI-3807-125	VI-3807-150	3,807 (14,411.06)	3,530 (13,362.50)	222.00 (563.88)	72.00 (182.88)	6.00 (15.24)	30.00 (76.20)	3.00	1.50	3.00	4,825 (2,188.58)
VB-4406-125	VB-4406-150	VI-4406-125	VI-4406-150	4,406 (16,678.52)	4,120 (15,595.90)	256.00 (650.24)	72.00 (182.88)	6.00 (15.24)	30.00 (76.20)	3.00	1.50	3.00	5,516 (2,502.02)
VB-3310-125	VB-3310-150	VI-3310-125	VI-3310-150	3,310 (12,529.71)	2,915 (11,034.48)	144.00 (365.76)	84.00 (213.36)	6.00 (15.24)	33.00 (83.82)	3.00	1.50	3.00	4,647 (2,107.84)
VB-3886-125	VB-3886-150	VI-3886-125	VI-3886-150	3,886 (14,710.11)	3,480 (13,173.23)	168.0 (426.72)	84.00 (213.36)	6.00 (15.24)	33.00 (83.82)	3.00	1.50	3.00	5,328 (2,416.74)
VB-4462-125	VB-4462-150	VI-4462-125	VI-4462-150	4,462 (16,890.51)	4,045 (15,311.99)	192.00 (487.68)	84.00 (213.36)	6.00 (15.24)	33.0 (83.82)	3.00	1.50	3.00	6,009 (2,725.64)
VB-5038-125	VB-5038-150	VI-5038-125	VI-5038-150	5,038 (19,070.90)	4,610 (17,450.75)	216.0 (548.64)	84.00 (213.36)	6.00 (15.24)	33.0 (83.82)	3.00	1.50	3.00	6,689 (3,034.08)
VB-6141-125	VB-6141-150	VI-6141-125	VI-6141-150	6,141 (23,246.21)	5,695 (21,557.92)	262.00 (665.48)	84.00 (213.36)	6.00 (15.24)	33.00 (83.82)	3.00	1.50	3.00	7,994 (3,626.02)

www.bockwaterheaters.com
110 South Dickinson Street Madison, Wisconsin 53703
Toll Free 800-794-2491 • Phone 608-257-2225 • Fax 608-257-5304