



Internal Coil Solar/Gas Hybrid Commercial Water Heaters

*Solar Thermal Water Heating
with Natural Gas or Propane Backup*

- Six-Year Limited Tank/Heat Exchanger Warranty
 - Residential Installations
- Five-Year Limited Tank/Heat Exchanger Warranty
 - Commercial Installations

- 76,000 BTU/hr natural gas or propane
 - Vertical or horizontal PVC/CPVC/ABS vent
 - Zero clearance to combustibles
 - Room or outside combustion air
- 75/100 gallon capacities
- 120°F to 180°F settable temperature
- Self-diagnostic control
- 1" NPT connections
- Glass-fused-to-steel tank interior
- Ecomate® insulation
- Two magnesium anode rods
- Factory installed T&P relief valve
- Factory installed brass drain valve
- Steel exterior with powder coat finish
- Solar-Thermal
 - Internal coil heat exchanger
 - Sensor immersion well

Turboflue® High Performance Heat Exchanger:

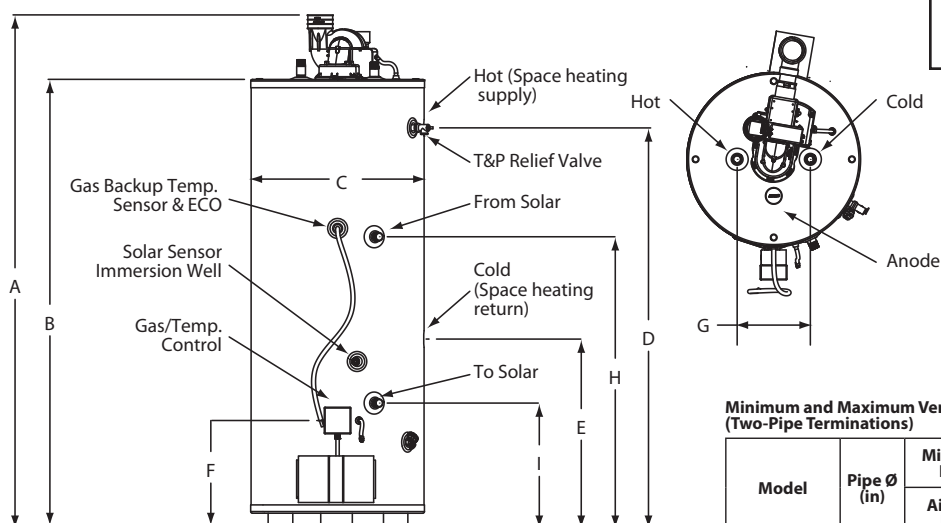
- Patented helical-fin multi-stage design
- Superior heat conduction and fuel efficiency

Made in the USA



COMMERCIAL
• **SOLAR/GAS HYBRID** •

WE TAKE WATER HEATERS PERSONALLY



Minimum and Maximum Vent and Air Intake Pipe Lengths
(Two-Pipe Terminations)

Model	Pipe Ø (in)	Minimum Equivalent Pipe Length (per pipe run)		Maximum Equivalent Pipe Length (per pipe run)*	
		Air Intake FT (m)	Vent FT (m)	Air Intake FT (m)	Vent FT (m)
75-76SKGN	3	5 (1.52)	12 (3.66)	55 (16.76)	55 (16.76)
100-76SKGN	4	5 (1.52)	12 (3.66)	85 (25.91)	85 (25.91)

*Note: For Concentric Terminations, subtract 10 feet from Maximum Equivalent Pipe Length
Equivalent straight pipe length of 90° elbow equals 5 feet.

Model	Storage GAL (L)	Dimensions Inches (cm)									Inlet Conn. Dia. NPT	Outlet Conn. Dia. NPT	Aux. Conn. Dia. NPT	Gas Conn. Dia. NPT	Shipping Weight LBS (kg)
		A	B	C	D	E	F	G	H	I					
75-76SKGN	73 (276.34)	76.88 (195.26)	67.25 (170.82)	26.00 (66.04)	60.00 (152.40)	28.19 (71.60)	16.00 (40.64)	11.00 (27.94)	43.50 (110.49)	18.50 (46.99)	1.00	1.00	1.00	0.50	469 (212.73)
100-76SKGN	98 (370.97)	76.88 (195.26)	67.25 (170.82)	28.00 (71.12)	60.00 (152.40)	28.19 (71.60)	16.00 (40.64)	11.00 (27.94)	43.50 (110.49)	18.50 (46.99)	1.00	1.00	1.00	0.50	572 (259.45)

Model	Gas-Fired Only			Solar Only				
	Rated Input BTU/HR (kW)	Recovery @ 77°F Rise GAL/HR (L/HR)	1ST Hr. Del. @ 77°F Rise GAL (L)	Coil Volume GAL (L)	Coil Surface Area FT² (m²)	Coil Friction Loss @ 5 GPM (feet w.c.)	Recovery @ 77°F Rise GAL/HR (L/HR)	1ST Hr. Del. @ 77°F Rise GAL (L)
75-76SKGN	76,000 (22.27)	96 (363.40)	155 (586.74)	2.76 (10.41)	14.14 (1.31)	0.6	32 (121.13)	98 (370.97)
100-76SKGN	76,000 (22.27)	96 (363.40)	175 (662.45)	2.76 (10.41)	14.14 (1.31)	0.6	32 (121.13)	121 (458.03)

For LP models change suffix "N" to "LP"

Working Pressure: 150 PSI (1034 kPa)

Test Pressure: 300 PSI (2068 kPa)

For natural gas: manifold pressure = 4.0" w.c. (1.00 kPa); Inlet pressure range = 5 - 14" w.c. (1.25 - 3.49 kPa)

For propane gas: manifold pressure = 10" w.c. (2.49 kPa); Inlet pressure range = 11 - 14" w.c. (2.74 - 3.49 kPa)

T&P valve factory installed

All Bock products meet or exceed current ASHRAE standards

These products are design certified by UL (Underwriters Laboratories) and meet ANSI Z21.10.3/CSA 4.3 requirements for operation up to 180°F (82°C).

Approved for use as direct vent automatic storage water heater.

Warning: Installation should be in accordance with all national and/or local codes.

In the absence of local codes, refer to NFPA 54 and/or CSA B149.1.

Caution: The recommended maximum hot water temperature setting for normal residential use is 120°F (49°C). Bock recommends a tempering valve or anti-scald valve be installed and used according to the manufacturer's directions to prevent scalding.

