

A.O. Smith Water Heaters

Submittal Sheet

Job name _____

Address _____

Architect _____

Engineer _____

Contractor _____

Distributor _____

A.O. Smith Representative _____

Model _____ # of Units _____

Input _____ Natural Gas LP

Total Btuh Input _____



COMMERCIAL BOILER
MODEL LB-500, 750 and 1000



MEETS OR EXCEEDS ASHRAE/IES 90.1B-1992



ASME



APPROVED

Standard Equipment

- Inconel 625 stainless super alloy burner
- Bronze headers
- ASME pressure relief valve 30#
- LED inlet & outlet thermometers
- 160 psi ASME working pressure
- Authorized factory start-up
- 10 year heat exchanger warranty

Standard Controls

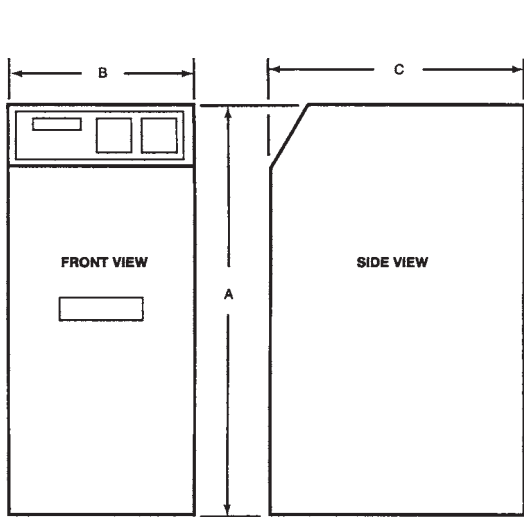
- Main & redundant gas valves
- Auto reset high limit
- Manual reset high limit
- Hot surface electronic ignition system
- Low gas pressure switch
- Dia-Scan solid state diagnostic module

- Low air pressure switch
- Mounted flow switch
- Adjustable high limit
- On/Off switch
- 24 volt control system
- FM Approved Gas Train

Optional Equipment

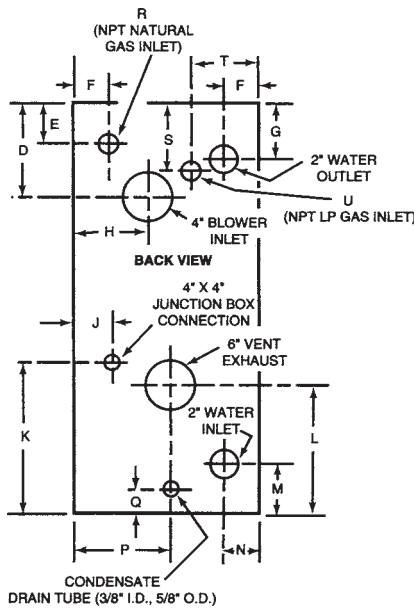
- | | | | | | |
|------------------|--------------------------|----------------------|--------------------------|------------------|--------------------------|
| IRI Gas Train | <input type="checkbox"/> | NY Code | <input type="checkbox"/> | Vent System* | <input type="checkbox"/> |
| CSD-1 Code | <input type="checkbox"/> | California Code | <input type="checkbox"/> | Sequencing Panel | <input type="checkbox"/> |
| Low Water Cutoff | <input type="checkbox"/> | Illinois School Code | <input type="checkbox"/> | | |

*NOTE: All venting for direct/sealed vent systems must be provided by A. O. Smith or an approved supplier. Contact your A. O. Smith representative for information.

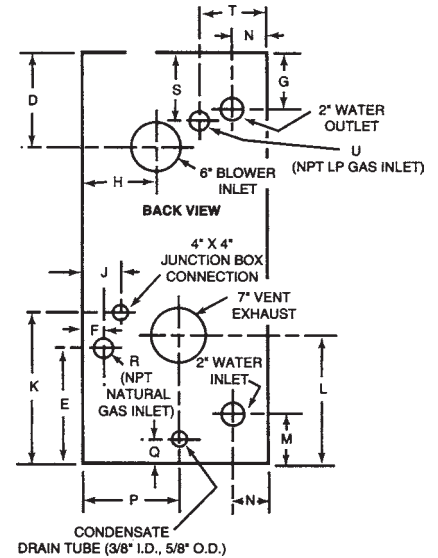


Minimum clearances to combustibles:

4" rear, 0" top & sides, 6" vent



MODEL LB-500/750



MODEL LB-1000

All Dimensions In Inches

| Models | Vent Size | A | B | C | D | (Nat.) E | (Nat.) F | G | H | J | K | L | M | N | P | Q | R | (LP) S | (LP) T | (LP) U | Approx. Ship. Wt. (Lbs.) |
|---------|-----------|--------|--------|---------|--------|----------|----------|-------|-------|-------|----|--------|-------|-------|--------|-------|-------|--------|--------|--------|--------------------------|
| LB-500 | 6 | 53 | 23 | 32 | 13 1/2 | 4 3/8 | 3 1/4 | 6 3/8 | 7 1/2 | 3 1/2 | 19 | 16 1/4 | 5 | 5 1/4 | 11 1/2 | 2 | 1 | --- | --- | 1 | 425 |
| LB-750 | 6 | 53 | 23 | 32 | 13 1/2 | 4 3/8 | 3 1/4 | 6 3/8 | 7 1/2 | 3 1/2 | 19 | 12 1/4 | 5 | 5 1/4 | 11 1/2 | 2 | 1 | 11 3/4 | 6 1/2 | 1 | 528 |
| LB-1000 | 7 | 60 1/2 | 27 1/8 | 38 3/16 | 13 3/4 | 15 1/2 | 3 1/2 | 8 1/8 | 8 1/4 | 3 1/2 | 21 | 12 1/2 | 6 3/4 | 4 1/8 | 13 3/8 | 2 1/4 | 1 1/4 | 11 7/8 | 7 5/8 | 1 1/4 | 934 |

Gas supply pressure 13.8" w.c. maximum natural and propane; 7" w.c. minimum natural, 11.0" w.c. minimum propane.

RATINGS

| Model | | BTUH Input | BTUH Output | Flow Rate @ 20° Temperature Rise | |
|---------|---------|------------|-------------|----------------------------------|------------|
| | | | | GPM | PD-Ft./Hd. |
| LB-500 | Natural | 500,000 | 450,000 | 44 | 9.6 |
| | LP | 450,000 | 405,000 | | |
| LB-750 | Natural | 750,000 | 675,000 | 66 | 10.0 |
| | LP | 675,000 | 607,500 | | |
| LB-1000 | Natural | 1,000,000 | 900,000 | 88 | 8.6 |
| | LP | 860,000 | 774,000 | | |

A. O. Smith Water Products Co., Inc. On Line
www.aosmithwaterheaters.com

For Technical Information and
Automated Fax Service,
Phone: 800-527-1953

A.O. Smith
Water Heaters

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