

Atmospheric Gas Fired Copper Fin Volume Hot Water Boilers

STANDARD FEATURES

- ★ Flame Safeguard
- ★ Electric Intermittent Ignition System
- ★ Combination Gas Valve with Regulator
- ★ 24 Volt Controls
- ★ High Limit, Operating Aquastat
- ★ Flow Switch
- ★ Main Gas Shutoff Cock
- ★ Pilot Shut Off Cock
- ★ RV10 Pilot Regulator
- ★ Draft Diverter
- ★ 3/4" Boiler Drain Cock
- ★ ASME Listed Pressure Relief Valve
- ★ Temperature and Pressure Gauge
- ★ U.L. listed
- ★ ASME Code Section IV, 160 PSI
- ★ National Board Stamped
- ★ Delimiting Ports 3/4"
- ★ Slide Out Burner Assembly
- ★ Cast Iron Multiport Burners
- ★ Welded Steel Burner Manifold
- ★ Stainless Steel Combustion Chamber
- ★ Enamel Steel Jacket
- ★ Fiberglass Insulation
- ★ Meets ASHRAE 90A-1990 for Stand by Heat Loss
- ★ Copper Extruded Finned Tube Heat Exchanger
- ★ Bronze Headers

The HNS Series is designed for use with a separate storage tank. Unlike a self-contained heater, the HNS allows the flexibility of choosing the input and recovery, (in relation to storage) that best meets the requirements of the application. Whereas with a self-contained heater, input and storage capacity have already been pre-determined by the manufacturer.

The serpentine coil heat exchanger provides even heat distribution while requiring less floor space. The largest unit in this series, 1,500,000 BTU model has only a 35" diameter.

OPTIONAL

- ★ Outdoor Application
- ★ HGD II Gas Safety Alarm
- ★ Factory Mutual
- ★ I.R.I. Controls
- ★ Gas Modulation

ASME



HNS SERIES

PERFORMANCE—SPECIFICATIONS

| SYSTEM PREFIX NUMBERS | RECOVERY GPH | | | WATER CONN. | BTUH INPUT x 1000 | STD. OPERATING DATA | | | APPROX. SHIPPING WEIGHT |
|--------------------------|--------------|------------|-------------|----------------|-------------------------|---------------------|--------------|----------------|-------------------------------|
| | 40 RISE | 80 RISE | 100 RISE | | | GPM | HEAD FOOT | DEGREE RISE | |
| HNS 200 | 480 | 240 | 192 | 1½" | 200 | 22 | 6.5 | 14 | 165 |
| HNS 300 | 720 | 360 | 288 | 1½" | 300 | 19 | 6.5 | 25 | 200 |
| HNS 400 | 1008 | 504 | 403 | 1½" | 400 | 17 | 6.5 | 39 | 215 |
| HNS 500 | 1200 | 600 | 480 | 1½" | 500 | 20 | 5 | 39 | 240 |
| HNS 670 | 1609 | 804 | 643 | 1½" | 670 | 25 | 8 | 42 | 300 |
| HNS 760 | 1825 | 912 | 730 | 1½" | 760 | 33 | 5 | 36 | 350 |
| HNS 1060 | 2545 | 1273 | 1018 | 1½" | 1060 | 30 | 7 | 55 | 450 |
| HNS 1275 | 3061 | 1531 | 1224 | 1½" | 1275 | 38 | 14 | 52 | 485 |
| HNS 1500 | 3601 | 1801 | 1441 | 1½" | 1500 | 44 | 20 | 53 | 500 |

| SAMPLE SYSTEM NUMBER: | | | |
|---|-------------------|-----------------------|---------------|
| HNS 500 Input | CC Copper Clad | 300 Gallon Storage | V Vertical |
| (See storage tank literature to select tank.) | | | |

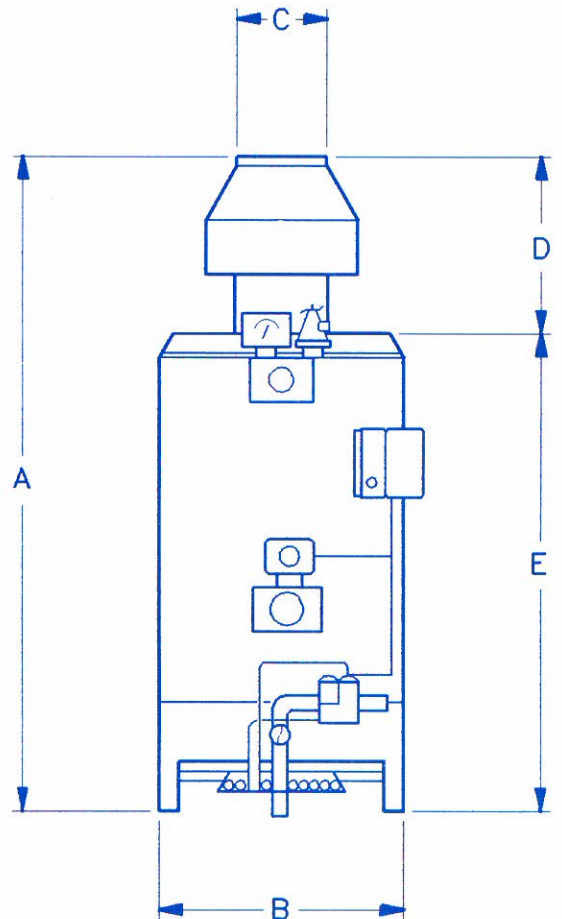
DIMENSIONS IN INCHES

| SYSTEM PREFIX NUMBER | A | B | C | D | E | GAS CONN |
|-------------------------|--------|----|----|--------|----|-------------|
| HNS 200 | 51-1/8 | 18 | 6 | 13-1/8 | 38 | ½ |
| HNS 300 | 55-1/8 | 20 | 8 | 17-1/8 | 38 | ½ |
| HNS 400 | 57-1/4 | 24 | 10 | 19-1/4 | 38 | ¾ |
| HNS 500 | 61-1/4 | 24 | 10 | 19-1/4 | 42 | ¾ |
| HNS 670 | 67-3/4 | 28 | 12 | 23-3/4 | 44 | 1 |
| HNS 760 | 71-3/4 | 28 | 12 | 23-3/4 | 48 | 1 |
| HNS 1060 | 76 | 32 | 14 | 28 | 48 | 1¼ |
| HNS 1275 | 86-1/8 | 35 | 16 | 32-1/8 | 54 | 1¼ |
| HNS 1500 | 86-1/8 | 35 | 16 | 32-1/8 | 54 | 1½ |

Due to continuous product development dimensions are subject to change without notice.

NOTE: STANDARD GAS PRESSURE REQUIREMENTS:
 Natural Gas 7 - 11 inches w.c. Required @ Heater
 Propane Gas - 14 inches w.c. Required @ Heater

RECOMMENDED CLEARANCE FROM COMBUSTABLE MATERIALS:
 National Fuel Gas Code Requirements
 Jacket sides and rear 6", front 18", Draft hood 6".
 Check with local codes for compliance to the above recommendations.



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