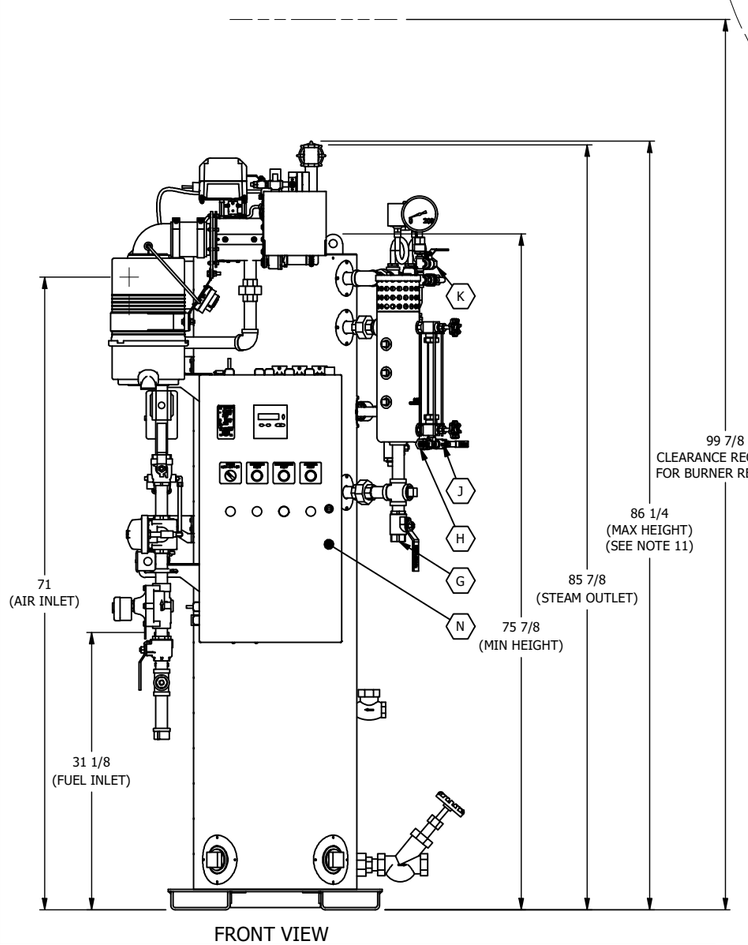
| ELECTRICAL REQUIREMENTS | |
|---|---|
| VOLTAGE | OPERATING FLA |
| 120/60/1 | 16 AMPS |

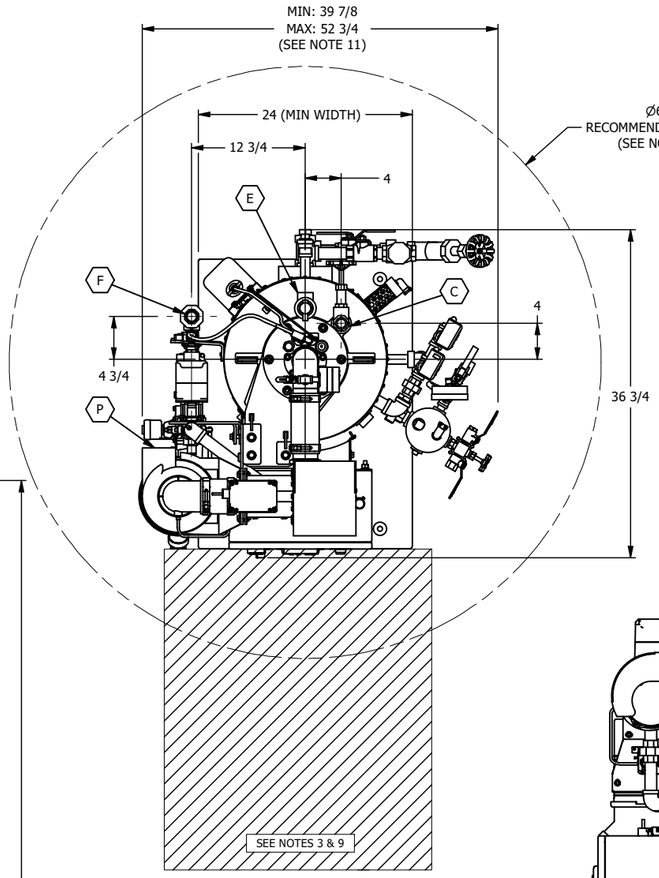
NOTE: SUBJECT TO CHANGE BASED ON BOILER CONFIGURATION CONSULT FACTORY FOR ADDITIONAL VOLTAGES. ALTERNATIVE VOLTAGES CAN CHANGE ORIENTATION AND FOOTPRINT.

| CUSTOMER CONNECTIONS | | | |
|---|---|---|---|
| ITEM | DESCRIPTION | SIZE | TYPE |
| A | FEED WATER INLET | 1" | N.P.T. |
| B | BLOWDOWN OUTLET | 1" | N.P.T. |
| C | STEAM OUTLET* | 1" | N.P.T. |
| D | EXHAUST STACK | 6" | - - - |
| E | SAFETY RELIEF VALVE* | 1" | N.P.T. |
| F | FUEL INLET | 1" | N.P.T. |
| G | WATER COLUMN DRAIN | 1" | N.P.T. |
| H | SIGHT GLASS DRAIN | 1/4" | N.P.T. |
| J | WATER SAMPLE PORT | 1/4" | N.P.T. |
| K | STEAM SAMPLE PORT | 1/4" | N.P.T. |
| L | SURFACE BLOWDOWN | 3/4" | N.P.T. |
| M | HIGH WATER PROTECTION (CAPPED) | 3/4" | N.P.T. |
| N | PANEL BOX | - - - | - - - |
| P | COMBUSTION AIR INLET | 3 5/8" | - - - |
| R | AUXILIARY WATER COLUMN (CAPPED) | 1" | N.P.T. |

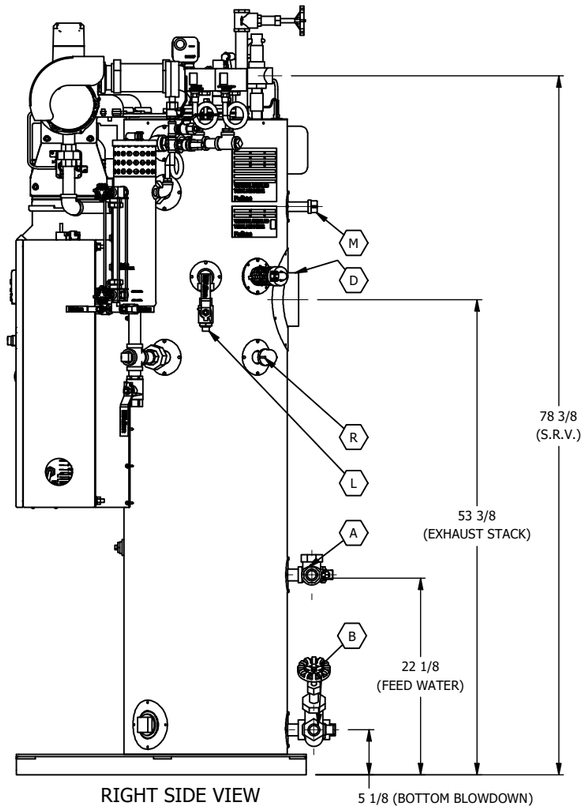
| EQUIPMENT SPECIFICATION CHART | |
|---|---|
| MAX ALLOWABLE WORKING PRESSURE: | 100 PSI |
| BOILER INPUT: | 388,815 BTU/HR |
| BOILER INPUT: (NATURAL GAS) | 389 FT³/HR |
| BOILER INPUT: (PROPANE) | 156 FT³/HR |
| BOILER OUTPUT: | 318,051 BTU/HR |
| STEAM OUTPUT/MIN. SRV CAPACITY: | 328 LBS/HR |
| NET EFFECTIVE HEATING SURFACE: | 36 SQ. FT. |
| WATER CAPACITY (OPERATING) | 25.75 GALLONS |
| APPROXIMATE DRY WEIGHT: | 1,700 LBS. |
| APPROXIMATE OPERATING WEIGHT: | 1,920 LBS. |
| APPROXIMATE SHIPPING WEIGHT: | 1,850 LBS. |
| APPROXIMATE FLOODED WEIGHT: | 2,000 LBS. |
| BURNER TURNDOWN: | 8:1 |
| MINIMUM DRAFT REQUIREMENT: | -.25" W.C. |
| MAXIMUM DRAFT REQUIREMENT: | +1.5" W.C. |
| MINIMUM INCOMING GAS PRESSURE: | 3" W.C. |
| MAXIMUM INCOMING GAS PRESSURE: | 13.8" W.C. |




FRONT VIEW




TOP VIEW




RIGHT SIDE VIEW

NOTES:

1. STEAM OUTPUT LB/HR: FROM 0 PSIG AT 212°F (0 KG/CM² AT 100°C)
2. ALL CLEARANCES ARE FACTORY RECOMMENDATIONS. CONSULT LOCAL JURISDICTION FOR EXACT CODE COMPLIANCE.
3. FULTON RECOMMENDS MINIMUM CLEARANCE OF 36" IN FRONT OF ELECTRICAL PANELS.
4. FULTON RECOMMENDS MINIMUM CLEARANCE OF 24" ALL AROUND BOILER.
5. PLEASE REFER TO THE O&M MANUAL FOR ADDITIONAL INFORMATION REGARDING CLEARANCES AND INSTALLATION INSTRUCTIONS.
6. ALL DIMENSIONS INSIDE ( ) DENOTE REFERENCE DIMENSIONS.
7. ALL DIMENSIONS INSIDE □ DENOTE OVERALL DIMENSIONS.
8. FULTON RESERVES THE RIGHT TO CHANGE SPECIFICATIONS AND/OR DIMENSIONS. ALL INFORMATION IS SUBJECT TO CHANGE BASED ON ADDITION OF ANY OPTIONAL EQUIPMENT AND/OR ACCESSORIES. PLEASE CONSULT THE FACTORY FOR PROJECT SPECIFIC ESTIMATES IF ADDITIONAL OPTIONS OR ACCESSORIES ARE REQUIRED.
9. LOCAL CODES CAN SUPERCEDE FULTON RECOMMENDED CLEARANCE.
10. *SIZE DEPENDS ON TRIM PRESSURE.
11. OVERALL SIZE MAY VARY BASED ON TRIM AND OPTIONS.

| REV | REVISION DESCRIPTION | B.O.M. | ELEC. ENG | MECH. ENG | CHECKED | APPROVED |
|---|---|---|---|---|---|---|
| C | CHANGED RECOMMENDED CLEARANCE AREAS TO ALL AROUND ZONE; UPDATED NOTES. S.CLARK 11/30/22 | N/A | N/A | N/A | T.K. 8/23/23 | T.K. 8/23/23 |

REVISION HISTORY

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES

| TOLERANCES | INCH | [METRIC] |
|---|---|---|
| FRACTION & WHOLE VALUE | ± 1/8 | ± 3mm |
| (1) PLACE DEC. | ± 0.03 | ± 0.7mm |
| (2) PLACE DEC. | ± 0.015 | ± 0.38mm |
| (3) PLACE DEC. | ± 0.005 | ± 0.12mm |
| ANGLE | ± 0.50DEG | ± 0.5 DEG |
| SURFACE FINISH 250 MICRO-INCHES | SURFACE FINISH 6.35 MICRO-METERS | |

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The items shown in this drawing may be covered by one or more patents of The Fulton Companies.

THIRD ANGLE PROJECTION

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: T. KENNEDY | 11/4/2021 | MECHANICAL REVIEW: W.W. | 11/12/2021 | JOB NUMBER: | |
| CHECKED BY: C.A. | 11/12/2021 | ELECTRICAL REVIEW: | | PROJECT NAME: | |
| B.O.M. REVIEW: N.M. | 11/15/2021 | APPROVED BY: N.M. | 11/15/2021 | PROJECT MANAGER: | |

DESCRIPTION: VSRT-9.5 GAS FIRED MODULATING STEAM BOILER (100 PSI TRIM)

SHEET 1 OF 1

Fulton Thermal Corporation

DRAWING NUMBER: 6-91-290009 - PDS

REVISION: C