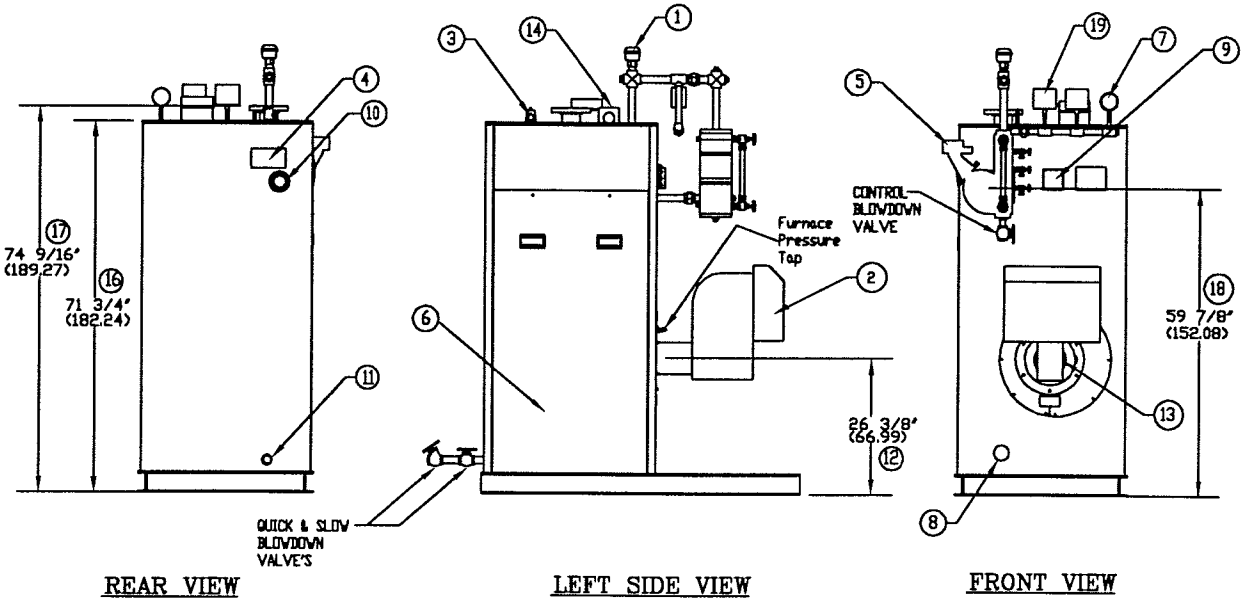
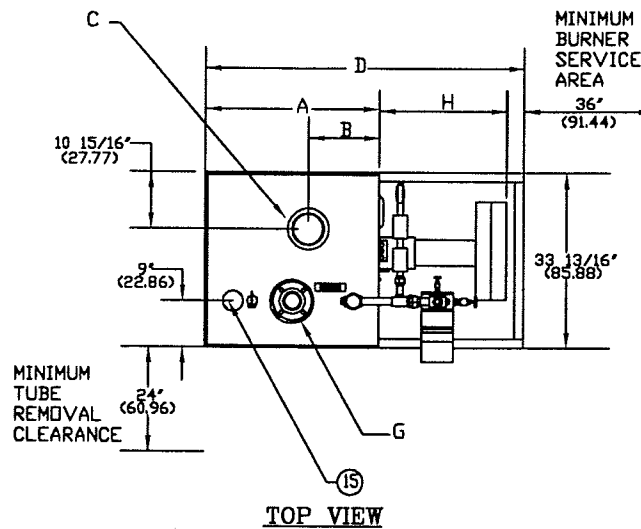


DR SERIES FORCED DRAFT  
CALIFORNIA SPECIAL STEAM BOILER

EFFECTIVE DATE: 1/29/04  
REPLACES: 8/7/03

NOTES:

1. ALL DIMENSIONS ARE IN INCHES THOSE IN PARENTHESES ARE CENTIMETERS.
2. LOCATION DIMENSIONS ARE ALL  $\pm 1/2"$ .
3. GAS TRAIN, CONTROL AND BURNER CONFIGURATION WILL VARY DEPENDING ON JOB SPECIFICATIONS & CONDITIONS.
4. DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. CONSULT FACTORY FOR CERTIFIED DIMENSIONS.
5. ALL FLANGES ARE 150# UNLESS OTHERWISE NOTED, FLANGES TO STRADDLE CENTER LINE.



- |                             |                                   |                              |                              |
|-----------------------------|-----------------------------------|------------------------------|------------------------------|
| 1. PROBE TYPE AUX. L.W.C.D. | 6. JACKET ACCESS PANELS           | 11. DRAIN/ BLOWDOWN - 1" NPT | 16. HEIGHT OVER JACKET       |
| 2. FORCED DRAFT BURNER      | 7. PRESSURE GAUGE                 | 12. BURNER CENTER LINE       | 17. HEIGHT OVER SUPPLY       |
| 3. RELIEF VALVE             | 8. CLNDUT./INSP. DPNG.-1 1/2" NPT | 13. OIL PUMP LOCATION        | 18. MINIMUM SAFE WATER LEVEL |
| 4. ASME NAMEPLATE           | 9. ELEC. ENCLOSURE -              | 14. LIFTING LUG              | 19. PRESSURE CONTROLS        |
| 5. LWCD/PUMP CONTROL - 157  | 10. CLNDUT./INSP. DPNG. - 2" NPT  | 15. FEED CONNECTION 2" NPT   |                              |

|                      |                  |
|----------------------|------------------|
| BOILER MODEL         | DR400            |
| A-LENGTH OVER JACKET | 33 3/4" (85.72)  |
| B-FLUE LOCATION      | 13 3/4" (34.92)  |
| C-FLUE DIAMETER      | 6" (15.24)       |
| D-LENGTH OVER BASE   | 62 1/8" (157.79) |
| G-SUPPLY NOZZLE SIZE | 3" (7.62)        |
| H-BURNER EXTENSION   | 26" (66.04)      |



BRYAN BOILERS

783 NORTH CHILI AVE  
PERU, INDIANA 46970

ORDER NO.  
ORDER REV. NO.  
FORM NO. 2161

# DR SERIES FORCED DRAFT CALIFORNIA SPECIAL STEAM BOILER

|  |                |                     |
|--|----------------|---------------------|
| <b>BOILER MODEL</b>                                |                | <b>DR400</b>        |
| <b>INPUT</b>                                       | <b>MBH</b>     | <b>400</b>          |
|  | <b>(KW)</b>    | <b>117.2</b>        |
| <b>OUTPUT*</b>                                     | <b>MBH</b>     | <b>320</b>          |
|  | <b>(KW)</b>    | <b>93.8</b>         |
| <b>BOILER HORSEPOWER</b>                           | <b>HP</b>      | <b>9.56</b>         |
|  | <b>(KW)</b>    | <b>93.7</b>         |
| <b>TUBE DIAMETER</b>                               | <b>INCHES</b>  | <b>1.00</b>         |
|  | <b>(CM)</b>    | <b>2.54</b>         |
| <b>NUMBER OF TUBES</b>                             |                | <b>18</b>           |
| <b>PRESSURE VESSEL</b>                             |                |                     |
| <b>VOLUME</b>                                      | <b>GAL</b>     | <b>31</b>           |
|  | <b>(L)</b>     | <b>117.3</b>        |
| <b>HEATING SURFACE</b>                             | <b>SQ FT</b>   | <b>66</b>           |
|  | <b>(SQ M)</b>  | <b>6.1</b>          |
| <b>STEAM OUTPUT</b>                                |                |                     |
|  | <b>LBS/HR</b>  | <b>329</b>          |
|  | <b>(KG/HR)</b> | <b>149.2</b>        |
| <b>OPERATING WEIGHT</b>                            | <b>LBS</b>     | <b>1,408</b>        |
|  | <b>(KG)</b>    | <b>638.9</b>        |
| <b>SHIPPING WEIGHT</b>                             | <b>LBS</b>     | <b>1,150</b>        |
|  | <b>(KG)</b>    | <b>521.6</b>        |
| <b>RELIEF VALVE TYPICAL - 100 PSIG (689.5 KPA)</b> |                |                     |
| <b>QUANTITY</b>                                    |                | <b>(1) 6021DC01</b> |
| <b>SIZE</b>  | <b>INCHES</b>  | <b>1/2 x 3/4</b>    |
|  | <b>(CM)</b>    | <b>1.27x1.905</b>   |
| <b>CAPACITY-TOTAL</b>                              | <b>MBH</b>     | <b>643</b>          |
|  | <b>(KW)</b>    | <b>188.4</b>        |

\* Output based on nominal 80% of input. Actual combustion efficiencies will be higher and fuel dependent.