

# Burner Test Sheet



## Oil Chassis Burner-V

for Vitola 200

### Working on the equipment

The installation, adjustment, service, and maintenance of this product must be done by a licensed professional heating contractor who is qualified and experienced in the installation, service, and maintenance of hot water boilers.



### CAUTION

Do not overfire or underfire burner. Factory settings to be verified or changed by qualified heating contractor, depending on field measured combustion results.

## Factory Calibrations

Burner Model No.:

Burner Serial No.:

Burner tested by:

Date:

\_\_\_\_\_ for VB2- \_\_\_\_\_

| Burner Model                 | VEC-O-18   |  | VEC-O-22   |  | VEC-O-33   |  | VEC-O-40   |  | VEC-O-50   |  |
|------------------------------|------------|--|------------|--|------------|--|------------|--|------------|--|
| Input Btu/h                  | 83,000     |  | 107,000    |  | 135,000    |  | 170,000    |  | 219,000    |  |
| Nozzle - Steinen             | 0.50 x 45S |  | 0.65 x 45S |  | 0.75 x 45S |  | 1.00 x 45S |  | 1.25 x 45S |  |
| Oil Discharge Pressure       | 145 psig   |  | 145 psig   |  | 170 psig   |  | 165 psig   |  | 170 psig   |  |
| Fan Discharge Pressure (Air) | 1.3 "w.c.  |  | 1.2 "w.c.  |  | 1.3 "w.c.  |  | 1.2 "w.c.  |  | 1.2 "w.c.  |  |
| Air Gate                     | 6          |  | 7          |  | 9          |  | 9          |  | 11         |  |
| Turbulator                   | 3          |  | 7          |  | 10         |  | 8          |  | 11         |  |
| Two-Pipe Bypass Plug         | Installed  |  | Installed  |  | Installed  |  | Installed  |  | Installed  |  |

Checkmarks indicate burner tested.



### CAUTION

The burner settings alone do not guarantee safe operation. Burner settings serve to help provide smooth operation at initial start-up.

Factory Calibrations (continued)

Burner test results:

The indicated values for oil pressure, air gate and turbulator settings are the result of production line testing under ideal conditions.

Final burner adjustment to suit local field conditions is necessary for safe operation.

Verification of results:

The burner adjustment values indicated serve as a starting point only. Combustion results must be field verified using properly calibrated Bacharach or equivalent instruments.

Technical data:

Fuel: No. 2 fuel oil  
Average high heat value: 140,000 Btu/USG

Specifications:

Smoke spot: 0 - 1  
Draft regulator: M - 6"  
Overfire draft: ± 0.01 "w.c.  
Minimum breeching draft: -0.02 "w.c.

Printed on environmentally friendly (recycled and recyclable) paper.

