

YBHRFSAACOP  
REV#2 06/15/2015

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

| MODEL      | WEIGHT   | UNIT DIMENSIONS |         |         |         |       |    |         |          |       |        | GAS PRESSURE |       | GAS CONNECTION |        | TUNNAGE RANGE |        | FILTERS |    | MAX. FILTER VELOCITY |        | OPTIMAL MIXING BOX FILTERS |         |         |           |         |
|------------|----------|-----------------|---------|---------|---------|-------|----|---------|----------|-------|--------|--------------|-------|----------------|--------|---------------|--------|---------|----|----------------------|--------|----------------------------|---------|---------|-----------|---------|
|            |          | A               | B       | C       | D       | E     | F  | G       | H        | J     | K      | L            | M     | N              | P      | R             | S      | T       | U  | V                    | X      | Y                          | YY      | YYY     | Z         | ZZ      |
| D1250-G10  | 1235 LBS | 209-1/2         | 39-3/8  | 42-3/4  | 39      | 3-3/4 | 48 | 7-13/16 | 95-7/16  | 3-1/8 | 16-3/4 | 21-7/8       | 5-3/4 | 6-1/8          | 13-7/8 | 3-1/4         | 11-1/2 | 14      | 18 | 19-1/4               | 59-3/8 | 91-1/2                     | 133-5/8 | 175-3/4 |           |         |
| D1500-G10  | 1240 LBS | 209-1/2         | 39-3/8  | 42-3/4  | 39      | 3-3/4 | 48 | 7-13/16 | 95-7/16  | 3-1/8 | 16-3/4 | 21-7/8       | 5-3/4 | 6-1/8          | 13-7/8 | 3-1/4         | 11-1/2 | 14      | 18 | 19-1/4               | 59-3/8 | 91-1/2                     | 133-5/8 | 175-3/4 |           |         |
| D2500-G15  | 1670 LBS | 223-1/2         | 49-3/8  | 47-3/4  | 44      | 3-3/4 | 60 | 7-13/16 | 109-7/16 | 5-1/8 | 24-3/4 | 28-7/8       | 5-3/4 | 6-7/8          | 22-3/8 | 3             | 18     | 22-3/4  | 8  | 11                   | 24     | 25-1/4                     | 65-3/8  | 105-1/2 | 147-5/8   | 189-3/4 |
| D3000-G15  | 1675 LBS | 223-1/2         | 49-3/8  | 47-3/4  | 44      | 3-3/4 | 60 | 7-13/16 | 109-7/16 | 5-1/8 | 24-3/4 | 28-7/8       | 5-3/4 | 6-7/8          | 22-3/8 | 3             | 18     | 22-3/4  | 8  | 11                   | 24     | 25-1/4                     | 65-3/8  | 105-1/2 | 147-5/8   | 189-3/4 |
| D3500-G18  | 1680 LBS | 223-1/2         | 49-3/8  | 47-3/4  | 44      | 3-3/4 | 60 | 7-13/16 | 109-7/16 | 5-1/8 | 24-3/4 | 28-7/8       | 5-3/4 | 6-7/8          | 22-3/8 | 3             | 18     | 22-3/4  | 8  | 11                   | 24     | 25-1/4                     | 65-3/8  | 105-1/2 | 147-5/8   | 189-3/4 |
| D4000-G18  | 1970 LBS | 234-1/2         | 54-3/8  | 56-3/8  | 51-1/8  | 5-1/4 | 72 | 9-1/2   | 114-7/16 | 4-5/8 | 29-1/4 | 33-7/8       | 7-1/2 | 8-7/8          | 22-3/8 | 3             | 18     | 28      | 8  | 7                    | 30     | 25-1/4                     | 65-3/8  | 110-1/2 | 152-5/8   | 194-3/4 |
| D4500-G18  | 1975 LBS | 234-1/2         | 54-3/8  | 56-3/8  | 51-1/8  | 5-1/4 | 72 | 9-1/2   | 114-7/16 | 4-5/8 | 29-1/4 | 33-7/8       | 7-1/2 | 8-7/8          | 22-3/8 | 3             | 18     | 28      | 8  | 7                    | 30     | 25-1/4                     | 65-3/8  | 110-1/2 | 152-5/8   | 194-3/4 |
| D1000-920  | 1980 LBS | 234-1/2         | 54-3/8  | 56-3/8  | 51-1/8  | 5-1/4 | 72 | 9-1/2   | 114-7/16 | 4-5/8 | 29-1/4 | 33-7/8       | 7-1/2 | 8-7/8          | 22-3/8 | 3             | 18     | 28      | 8  | 7                    | 30     | 25-1/4                     | 65-3/8  | 110-1/2 | 152-5/8   | 194-3/4 |
| D1500-920  | 3105 LBS | 292-7/8         | 60-7/16 | 64-3/8  | 59-1/8  | 5-1/4 | 72 | 13-9/16 | 151      | 4-5/8 | 36-1/4 | 41-7/8       | 7-1/2 | 7-7/8          | 31-1/2 | 3-1/4         | 23-1/2 | 33      | 10 | 11                   | 36     | 31-1/4                     | 83-7/16 | 147-5/8 | 201-13/16 | 256     |
| D1500-920  | 3120 LBS | 292-7/8         | 60-7/16 | 64-3/8  | 59-1/8  | 5-1/4 | 72 | 13-9/16 | 151      | 4-5/8 | 36-1/4 | 41-7/8       | 7-1/2 | 7-7/8          | 31-1/2 | 3-1/4         | 23-1/2 | 33      | 10 | 11                   | 36     | 31-1/4                     | 83-7/16 | 147-5/8 | 201-13/16 | 256     |
| D12000-925 | 3940 LBS | 302-7/8         | 79-7/16 | 68-7/16 | 63-3/16 | 5-1/4 | 96 | 13-3/4  | 161-1/8  | 4-5/8 | 47     | 48-7/8       | 7-1/2 | 13-1/4         | 31-1/2 | 3-1/4         | 23-1/2 | 43      | 10 | 6-1/2                | 43     | 31-1/4                     | 83-7/16 | 157-5/8 | 211-13/16 | 266     |
| D12500-925 | 3955 LBS | 302-7/8         | 79-7/16 | 68-7/16 | 63-3/16 | 5-1/4 | 96 | 13-3/4  | 161-1/8  | 4-5/8 | 47     | 48-7/8       | 7-1/2 | 13-1/4         | 31-1/2 | 3-1/4         | 23-1/2 | 43      | 10 | 6-1/2                | 43     | 31-1/4                     | 83-7/16 | 157-5/8 | 211-13/16 | 266     |

**Direct Fired Profile Plate Specifications**

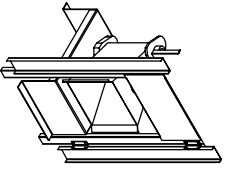
Direct fired burners shall have patented US Patent No. US6699232B2, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by lifting by-product (water vapor) out of 3ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2).

**Application:**  
Profile plates are engineered to automatically react to the momentum of the gas flow and adjust the burner's air velocity and pressure drop across the burner. Profile plates are designed for demand control ventilation (DCV) applications.

**References:**  
The assemblies shall be included in the JP unit's ETL listing and comply with all applicable safety standards ANSI Z89.4 and CSA 3.7 non-recirculating JP heaters and ANSI Z89.18 recirculating JP heaters.

**General Construction:**  
Profile plates shall be formed from 600 galvanized steel.

**Profile Plates:**  
Profile plates shall vary in size per unit. Profile plates shall be mounted along the same plane as the discharge of the burner. Design shall incorporate proper torque, permanently mounted spring hinges.



Direct Fired DP7 Profile Plate Assembly