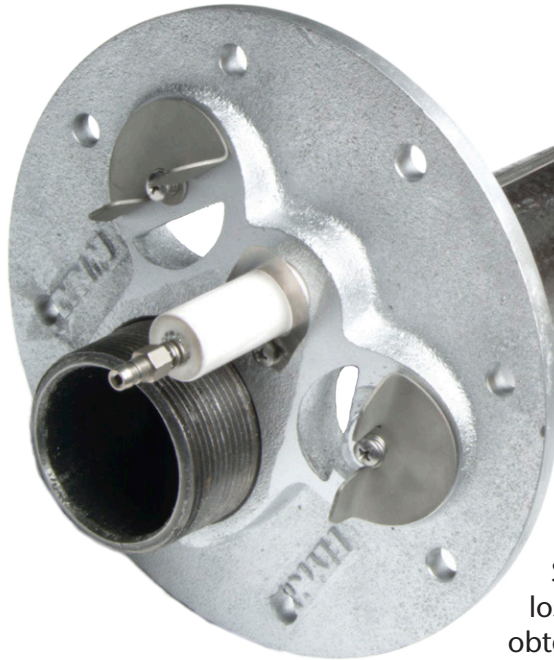


# Quemadores en Tuberia Negra Sch-80

## Descripción

Estós quemadores son ampliamente utilizados en la mayoría de Galleterías, Panaderías, Snacks, etc.



La mayoría de hornos de fuego directo utilizan este tipo de quemador.

Tienen un excelente balance cuando se les aplica desde mínima hasta máxima potencia, excelente Retención de la llama en ambos casos, pueden utilizarse con control manual o automático, cintas de Acero inoxidable para formar los huecos por donde sale la llama las cuales se pueden fabricar en diferentes configuraciones de acuerdo a la aplicación.

Los quemadores pueden ser fabricados en cualquier longitud y tamaño de acuerdo a su necesidad.

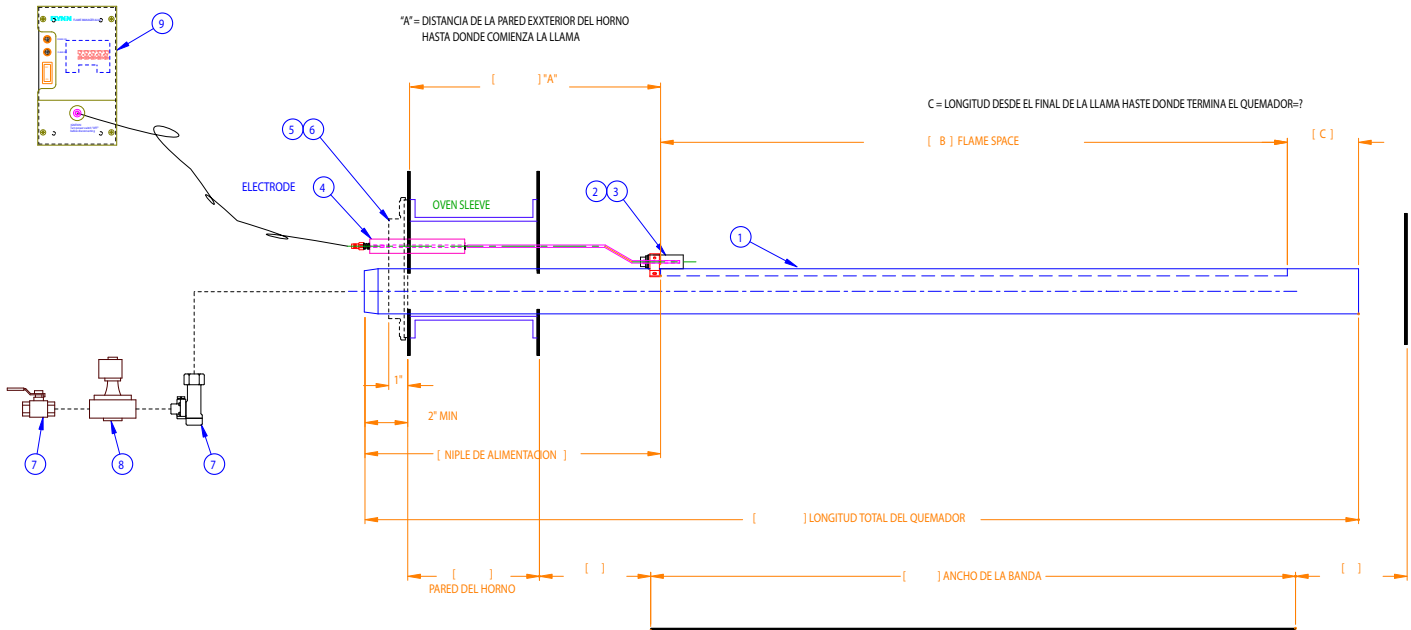
Se obtienen en diametro interno de 1", 1 1/4", 1 1/2" y 2" en los cuales dependiendo del tipo de ranura y cinta se pueden obtener diferentes capacidades de potencia por cada quemador.

## PIPE BURNER SIZING TABLE

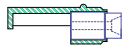
| BURNER SIZE        | DESCRIPTION & PART #  | CAPACITY UP TO 48" / 1220MM  | CAPACITY UP TO 96" / 2439MM   | CAPACITY UP TO 120" / 3048MM  | CAPACITY UP TO 144" / 3658MM   |
|--------------------|---|--|---|---|--|
| <b>1" Pipe</b>     | <b>82HN 1" Sch 80</b><br>CAST STEEL<br>PART# 050000<br>STAINLESS STEEL<br>PART# 050003      | <b>1000 BTU/inch</b><br>9.9 Kcal/mm<br>11.5 W/mm<br>41.5 Kilo joule/mm   | <b>775 BTU/inch</b><br>7.7 Kcal/mm<br>8.9 W/mm<br>32.2 Kilo joule/mm    | <b>500 BTU/inch</b><br>4.9 Kcal/mm<br>5.8 W/mm<br>20.8 Kilo joule/mm    | NA   |
| <b>1 1/4" Pipe</b> | <b>102HN 1 1/4" Sch 80</b><br>CAST STEEL<br>PART# 051000<br>STAINLESS STEEL<br>PART# 051010 | <b>1700 BTU/inch</b><br>16.9 Kcal/mm<br>19.6 W/mm<br>70.6 Kilo joule/mm  | <b>1250 BTU/inch</b><br>12.4 Kcal/mm<br>14.4 W/mm<br>51.9 Kilo joule/mm | <b>825 BTU/inch</b><br>8.2 Kcal/mm<br>9.5 W/mm<br>34.3 Kilo joule/mm    | NA   |
| <b>1 1/2" Pipe</b> | <b>122HN 1 1/2" Sch 80</b><br>CAST STEEL<br>PART# 052000<br>STAINLESS STEEL<br>PART# 051005 | <b>2100 BTU/inch</b><br>20.8 Kcal/mm<br>24.2 W/mm<br>87.2 Kilo joule/mm  | <b>1400 BTU/inch</b><br>13.9 Kcal/mm<br>16.2 W/mm<br>58.1 Kilo joule/mm | <b>1000 BTU/inch</b><br>9.9 Kcal/mm<br>11.5 W/mm<br>41.5 Kilo joule/mm  | <b>700 BTU/inch</b><br>7 Kcal/mm<br>8 W/mm<br>29 Kilo joule/mm         |
| <b>2" Pipe</b>     | <b>162HN 2" Sch 80</b><br>CAST STEEL<br>PART# 053000<br>STAINLESS STEEL<br>PART# 053011     | <b>2500 BTU/inch</b><br>24.8 Kcal/mm<br>28.9 W/mm<br>103.9 Kilo joule/mm | <b>1750 BTU/inch</b><br>17.4 Kcal/mm<br>20.2 W/mm<br>72.7 Kilo joule/mm | <b>1200 BTU/inch</b><br>11.9 Kcal/mm<br>13.9 W/mm<br>49.8 Kilo joule/mm | <b>900 BTU/inch</b><br>8.94 Kcal/mm<br>10.4 W/mm<br>37.4 Kilo joule/mm |

- NOTES: 1. THESE ARE CAPACITY ESTIMATES FOR UNIFORM GEOMETRY ACROSS THE BURNER LENGTHS.  
 2. FOR DISTRIBUTOR BURNERS USE 2" CAPACITIES.  
 2. IMPORTANT: AS THE PIPE LENGTH INCREASES, THE BURNER CAPACITY DECREASES PER UNIT LENGTH.  
 3. FOR PROPANE GAS, REDUCE THE CAPACITIES 15%.  
 4. FOR BUTANE GAS, REDUCE THE CAPACITIES BY 20%.

# Quemadores en Tuberia Negra Sch-80



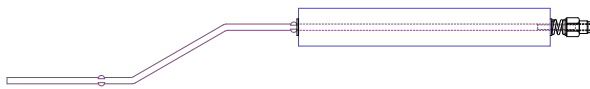
| ITEM | D.P. NUMBER | QUANTITY | DESCRIPTION                           |
|------|-------------|----------|---------------------------------------|
| 1    | 053000      | 1        | QUEMADOR                              |
| 2    | 300937      | 1        | TUBO DE IGNICION                      |
| 3    | 085259      | 1        | SOPORTE DEL TUBO DE IGNICION          |
| 4    | 089066      | 1        | ELECTRODO DE IGNICION CON CERAMICA    |
| 5    | 096499      | 1        | PLATO UNIVERSAL                       |
| 6    | 119750      | 1        | EMPAQUE PARA EL PLATO                 |
| 7    | 092990      | 1        | MIXER 66FUM CON VALVULA DE AJUSTE     |
| 8    | 178361      | 1        | VALVULA SOLENOIDE 120 VOLT-3/4" NPT   |
| 9    | 090800      | 1        | GENERADOR DE CHISPA/DETECTOR-120 VOLT |



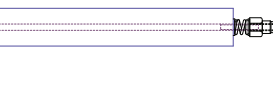
IGNITOR TUBE  
PART NUMBER 300937  
DRAWING #10486



IGNITOR TUBE MTG BRACKET  
PART NUMBER 85259  
DRAWING #10734



ELECTRODO (1 3/4 LG CERAMIC)  
PART NUMBER 089062  
DRAWING #10732

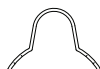


ELECTRODO (5 LG CERAMIC)  
PART NUMBER 089065  
DRAWING #10890

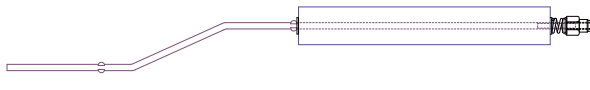
ELECTRODE COMPONENTS  
FOR  
1 1/4" & 1 1/2" PIPE BURNERS  
OVEN CROSS SECTION (W/ 1 3/4" CERAMIC) DRAWING #10728  
OVEN CROSS SECTION (W/ 5" CERAMIC) DRAWING #10884



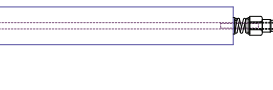
IGNITOR TUBE  
300937  
DRAWING #10486



IGNITOR TUBE MTG BRACKET  
D.P. #085259  
DRAWING #10734



ELECTRODO (1 3/4 LG CERAMIC)  
D.P. #089063  
DRAWING #10736



ELECTRODO (5 LG CERAMIC)  
D.P. #089066  
DRAWING #10891

ELECTRODE COMPONENTS  
FOR  
2" PIPE BURNERS  
OVEN CROSS SECTION (W/ OLD STY F.D. & 1 3/4" CERAMIC) DRAWING #10638  
OVEN CROSS SECTION (W/ OLD STY F.D. & 5" CERAMIC) DRAWING #10885