



| Stock No  | Description            |
|-----------|------------------------|
| 08/01/--- | MPR 3/-" Ribbon Burner |

## Multi Port Ribbon Burners (MPR)

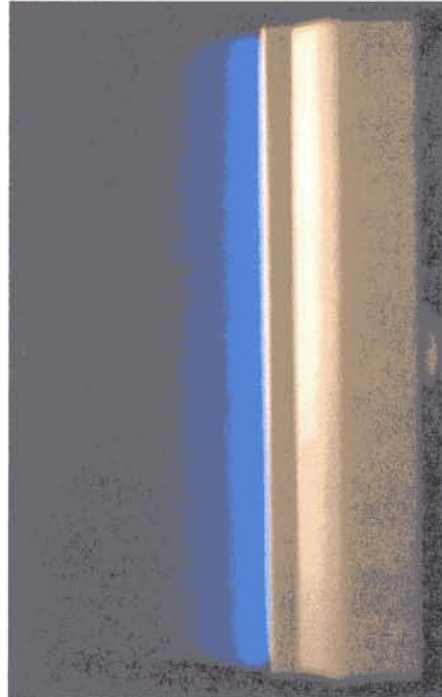
BFT offer a comprehensive range of burners and precision controls for surface flame treatments. Plastics such as polyethylene and polypropylene are regularly used for the manufacture of containers, which need to be identified by printing or labelling. Treatment of the surface with a high intensity laminar flow flame with out distortion provides for efficient application of these identification processes.

Whatever the material that needs surface flaming, precise and safe control of the burners is essential. BFT Injectors and Needle Valves matched to the volumetric demands of the selected burners offer sensitive and safe control for laminar flow flame settings of varying intensities.

Other applications for MPR burners include wire heating, heat treatment, brazing and soldering, glass working and flame polishing. Spark ignition and flame failure can be incorporated.

MPR burners are manufactured from steel extrusion, the ribbon is made from stainless steel and the burner has an internal stainless steel baffle.

The length of the burner is dependent on the customer requirements, up to a length of 1.5 meters.



## Fuel Gases

BFT burners are designed to operate on compressed air/gas. Compressed air should be supplied at between 20-50 psi, (1.4-3.5 Kg/Sq.cm.). Gas should be supplied at low pressure (0.25 psi), gases that can be used are coal gas, natural gas (methane), propane, butane, or any mixture of these gases.

Standard stock sizes are available in the below sizes

| Standard 3 row ports |           |        |     |                  |         |
|----------------------|-----------|--------|-----|------------------|---------|
| Burner ref           | Stock N°  | Length |     | Maximum capacity |         |
|                      |           | ins    | mm  | BTU/hr           | Kcal/hr |
| MPR/3/2              | 08/01/002 | 2      | 50  | 10,000           | 2,500   |
| MPR/3/4              | 08/01/004 | 4      | 100 | 20,000           | 5,000   |
| MPR/3/6              | 08/01/005 | 6      | 150 | 30,000           | 7,500   |
| MPR/3/8              | 08/01/006 | 8      | 200 | 40,000           | 10,000  |
| MPR/3/10             | 08/01/007 | 10     | 250 | 50,000           | 12,500  |
| MPR3/12              | 08/01/008 | 12     | 300 | 60,000           | 15,000  |

**Note: The number 3 in MPR/3 denotes the number of ports.  
Three ribbon patterns are available with 1. 2. 3 rows of ports.**





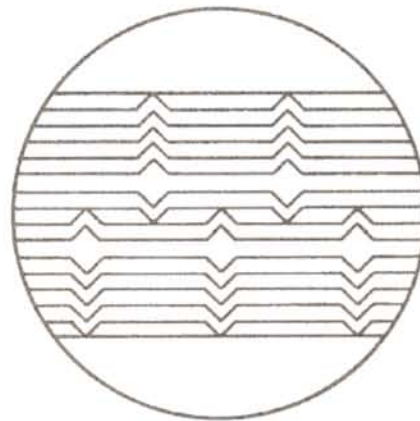
## High Capacity Ribbon Burners

The High Capacity Ribbon Burners are capable of a high heat release rate, up to 100,000 BTU/Hr/Ft run 10,000 Kcals/Hr/Cm, when operating on gas/air systems.

They are manufactured from thick-walled schedule 80 tubing, in sizes 3/4", 1", 1 1/4", 1 1/2" and 2" pipe sizes and are available to customers requirements, the ribbon packs are made from stainless steel.

BET High Capacity Ribbon Burners are designed to used with coal gas, natural gas (methane), propane and butane gas with air, these burners are commonly used for ink drying, singeing, oven heating, internal roller heating, anti-flecking in the manufacture of cans, along with other applications that require an even and continual flame pattern.

1/4" slot, 8-row single port construction



### Ordering information

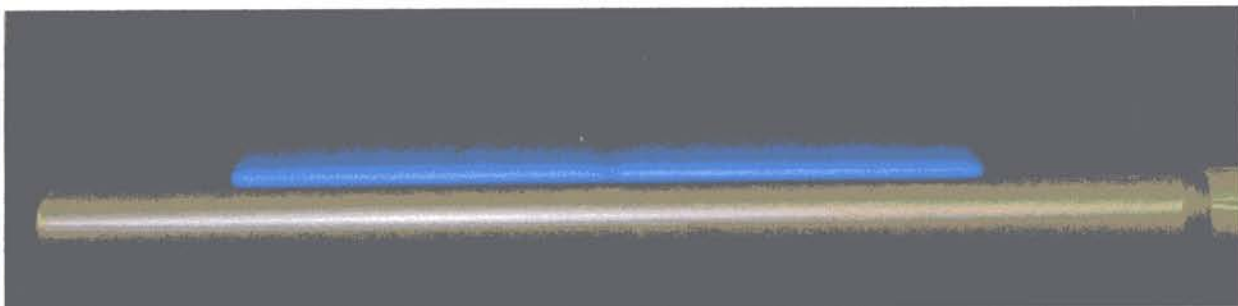
Overall length – X

Flame length – Y

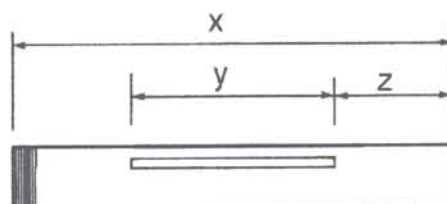
Distance to blank end – Z

Pipe thread size

State ribbon construction required



Other Ribbon constructions available on request.

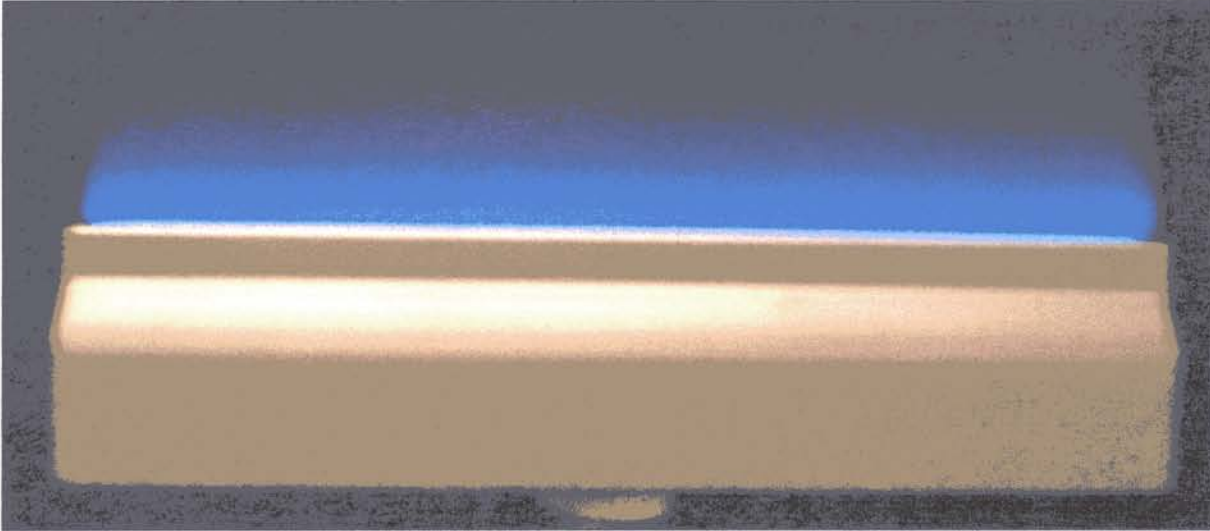




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(Refer to chart below for stock numbers and sizes).

## Multi Port Ribbon Burner(MPR)



The MPR Burner can be lit manually or by means of spark ignition. The burner is 35mm wide by 45mm high the length of the burner is dependant upon the customer requirements, up to a length of 1.5 meters.

Standard stock sizes are available in the below sizes

| Code     | Length (ins) |     | Stock Number |
|----------|--------------|-----|--------------|
|          | ins          | mm  |              |
| MPR 3/2  | 2            | 50  | 08/01/002    |
| MPR 3/4  | 4            | 100 | 08/01/004    |
| MPR 3/6  | 6            | 150 | 08/01/005    |
| MPR 3/8  | 8            | 200 | 08/01/006    |
| MPR 3/10 | 10           | 250 | 08/01/007    |
| MPR 3/12 | 12           | 300 | 08/01/008    |

**NOTE:** the number 3 in MPR 3 denotes the rows of ports  
Three ribbon patterns are available with 1, 2, 3, rows of ports.