



CAST IRON RIBBON BURNERS

Cost effective and designed for use in limited space applications requiring concentrated heat patterns, the Cast Iron Ribbon Burners offered by Carlisle provide a wide range of flexibility with respect to capacities, flame patterns, and sizes. The stainless steel crimped ribbon port construction consistently produces a balanced flame over a wide range of flame patterns. The burner bodies are constructed of cast iron. It is available in flame spaces from 2" to 12" long. It is important to note that the flame space does not reflect the burner's overall length. The Cast Iron Ribbon Burner can be used with a mixture of natural gas, propane, or mixed gas and air. Use of these burners with oxygen is not recommended.

MODEL NUMBER	BURNER	FLAME SPACE	BODY STYLE
001	T-208	6"	A
002	T-20	8"	A
003	T-207	10"	A
004	T-206	12"	A
005	T-204	2 1/4"	B
006	T-202	3 1/4"	B
007	T-205-4	4"	B
008	T-205-5	5"	B
009	T-205-6	6"	B
010	T-205-7	7"	B
011	T-205-8	8"	B
012	T-205-9	9"	B
013	T-205-10	10"	B
014	T-205-11	11"	B
015	T-205-12	12"	B

HOW TO ORDER

MODEL NUMBER

ROWS OF PORTING (1 - 5)

20B000-0000

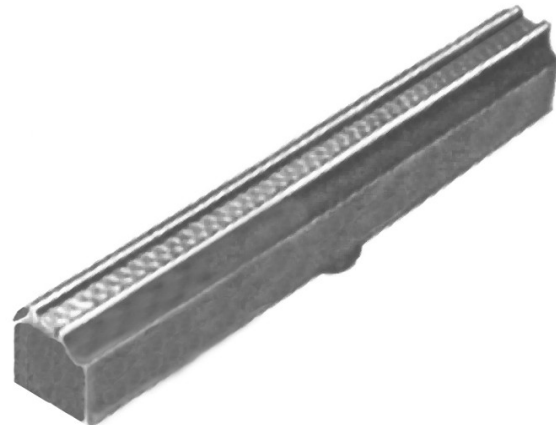
Example: A T-205 8" Burner with 4 Rows of porting would be:

20B011-4000

BULLETIN REFERENCES

The Cast Iron Ribbon Burners offered by Carlisle are pre-mixed. As with any pre-mixed burner, be sure to use the proper equipment:

Mixers-	Bulletins 16E, 17C, 17D
Controls-	Bulletins 16A, 16E
Safety-	Bulletins 18A, 18B



T-205 12" Burner with 3 Rows of Porting
20B015-3000

Carlisle Machine Works, Inc.,

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There are two body styles in this series. The differences between the two are primarily cosmetic. The Style A burner is 1 9/16" wide at it's base and tapers at the top of the burner to a 3/4" wide face. The height of the burner is 2 3/16" and the inlet pipe size is 3/4". The Style B burner is 1" wide at it's bas and tapers at the top of the burner to a 3/4" wide face. The height of the burner is 1 3/8" and the inlet pipe size is 3/8". The two styles are shown in the pictures of this bulletin.

The recommended premix burner pressure is 1 1/4" W.C. When using a premix system at a pressure higher than 1 1/4" W.C., a restriction orifice can be installed in the feed inlet of the burner to maintain the correct pressure.



T-208 6" Burner with 1 Row of Porting

PIPE RIBBON BURNERS

The Pipe Ribbon Burners offered by Carlisle are highly adaptable. They can be used with many gas/air applications. Pipe Ribbon Burners will operate in an atmosphere of steam and may be installed with the flame projecting in any direction. They ignite instantaneously, retain the flame without the use of baffles, and have a very minimal chance of flashback. The Pipe Ribbon Burners can be used with a mixture of natural gas, propane, or mixed gas and air.

The Pipe Ribbon Burners are fabricated of extra-heavy wall pipe. They are offered in NPT sizes from 3/8" to 2" and are end fed. The flame space is available from 6" to 192" in 1/2" increments. See the chart for the specific flame space ranges as they correspond to the NPT size of the pipe.

The flame space is made with six rows of ribbon. The stainless steel corrugated ribbon construction creates a multiplicity of ports along the entire flame space of the burner. This allows the soft flame to be evenly distributed across it's entire length.

Pipe Ribbon Burners can be custom built to fit the specific needs of our customers. Almost any aspect of the Pipe Ribbon Burners can be altered, including the width of the flame space and the length of the overall pipe. Contact Carlisle with your special requirements.

MODEL	PIPE	RANGE OF POSSIBLE FLAME
101	3/8"	6" - 12"
102	1/2"	6" - 24"
103	3/4"	6" - 32"
104	1"	6" - 48"
105	1 1/4"	6" - 72"
106	1 1/2"	6" - 104"
107	1 3/4"	6" - 144"
108	2"	6" - 192"

BULLETIN REFERENCES

The Pipe Ribbon Burners offered by Carlisle are pre-mixed. As with any pre-mixed burner, be sure to use the proper equipment:

Mixers-	Bulletins 17C, 16E
Controls-	Bulletins 16A, 16E
Safety-	Bulletins 18A, 18B



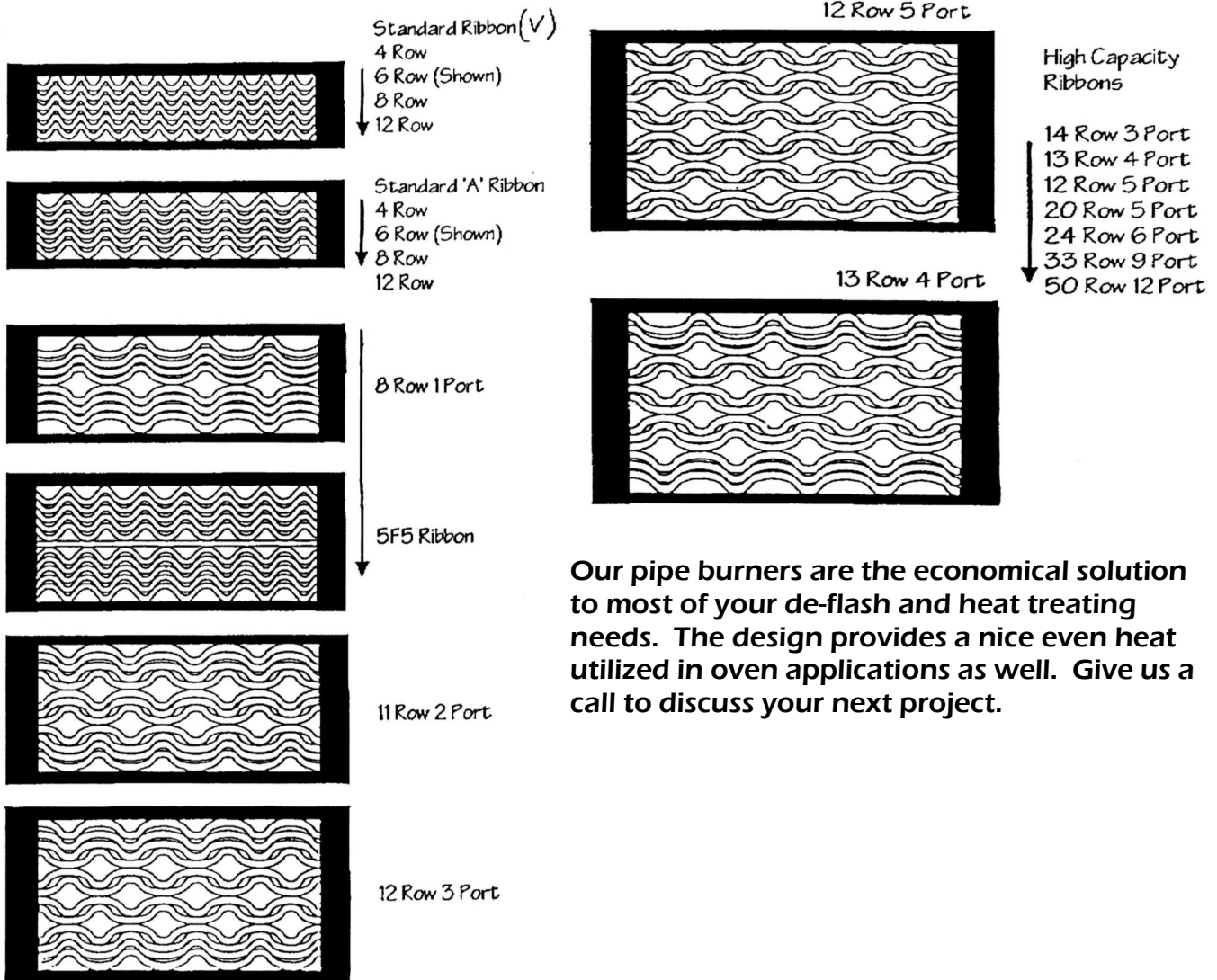
A 1/2" NPT Pipe Ribbon Burner with a 6" Flame Space
20B102-0060

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More Options

Ribbon Burners can be configured with a variety of Ribbon and Port Patterns. As the open area of the construction increases, so does the capacity. Various ribbons will give better flames for heating, or flame treating. Gas mixtures may work better with different ribbon constructions. Arrows indicate increasing capacity. Not all ribbons can be used with all pipe sizes or castings.



Our pipe burners are the economical solution to most of your de-flash and heat treating needs. The design provides a nice even heat utilized in oven applications as well. Give us a call to discuss your next project.

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