

MONT SELAS

INDUSTRIAL GAS ENGINEERS

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TYPE 363 UNIVERSAL BAR BURNERS



- Suitable for all gaseous fuels.
- Excellent flame stability with all gases.
- Cross lights under all flow conditions.
- Turn down of 10:1 on town or natural gas.
- Replaceable steel retention strips.
- 18 standard sizes available from stock
- Pilot assemblies available on request

SPECIFICATION

These universal bar burners are based on a design by the Eastern Gas Board and developed by Mont Selas Limited in conjunction with British Gas Midlands Research Station for industrial applications. The burners are supplied complete with the well-known natural draught Selas injector (Type 313)

The flame retention strips are screwed to the burner to facilitate replacement.

Three basic types are available:

Type A - 77kW/m (81,000 Btu/h.ft run) - Flame length 300 - 600 mm (1-2 ft) - 3 sizes

Type B - 52 kW/m (54,000 Btu/h.ft run) - Flame length 300 - 900 mm (1-3 ft) - 5 sizes

Type C - 26 kW/m (27,000 Btu/h.ft run) - Flame length 300 - 1800 mm (1-6 ft) - 10 sizes

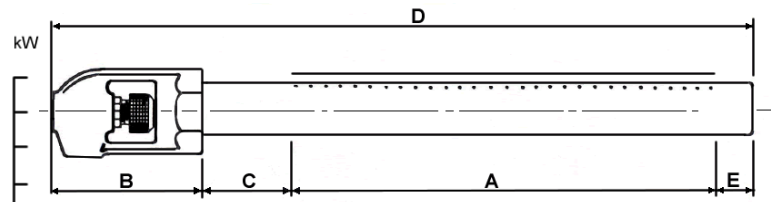
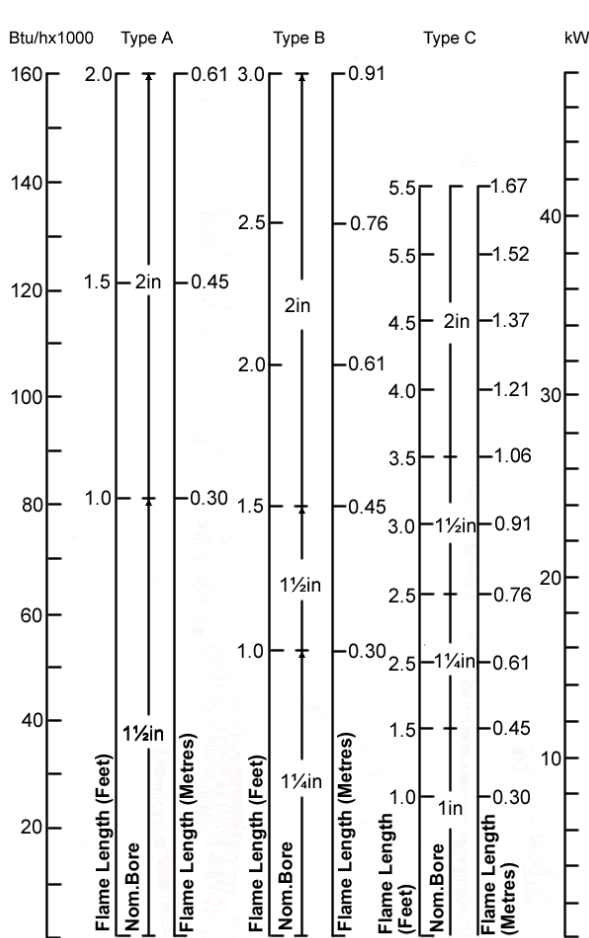
The burners are available in increments of 150 mm (6 in).

APPLICATIONS

These universal bar burners are suitable for a wide variety of low temperature applications such as tank heating, surface heating, strip pre-heating, strand annealing, flame curtains, etc.

Selection Chart

Draw a straight line from the required input to the required flame length



TYPE A DIMENSIONS (millimetres/inches)

Size	Nominal bore		A		B		C		D		E		Injector
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
363/1	38	1½	305	12	140	5½	267	10½	789	31	76	3	313/4
363/2	51	2	457	18	173	6 13/16	356	14	1088	42 13/16	102	4	313/5
363/3	51	2	610	24	173	6 13/16	356	14	1240	48 13/16	102	4	315/5

TYPE B

Size	Nominal bore		A		B		C		D		E		Injector
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
363/4	32	1¼	305	12	114	4½	222	8¾	705	27¾	64	2½	313/3
363/5	38	1½	457	18	140	5½	267	10½	940	37	76	3	313/4
363/6	51	2	610	24	173	6 13/16	356	14	1240	48 13/16	102	4	315/5
363/7	51	2	762	30	173	6 13/16	356	14	1391	54 13/16	102	4	315/5
363/8	51	2	914	36	173	6 13/16	356	14	1544	60 13/16	102	4	315/5

TYPE C

Size	Nominal bore		A		B		C		D		E		Injector
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
363/9	25	1	305	12	108	4½	178	7	641	25¼	51	2	313/2
363/10	25	1	457	18	108	4½	178	7	794	31¼	51	2	313/2
363/11	32	1¼	610	24	114	4½	222	8¾	1110	39¾	64	2½	315/3
363/1	32	1¼	762	30	114	4½	222	8¾	1163	45¾	64	2½	315/3
363/1	38	1½	914	36	140	5½	267	10½	1397	55	76	3	315/4
363/14	38	1½	1067	42	140	5½	267	10½	1549	61	76	3	315/4
363/15	51	2	1219	48	173	6 13/16	356	14	1850	72 13/16	102	4	315/5
363/16	51	2	1372	54	173	6 13/16	356	14	2002	78 13/16	102	4	315/5
363/17	51	2	1524	60	173	6 13/16	356	14	2155	84 13/16	102	4	315/5
363/18	51	2	1676	66	173	6 13/16	356	14	2307	90 13/16	102	4	315/5